

## 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 2010
- Required credits to graduate with this degree: 124
- Required credits within the major: 100
- 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 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.

- \* 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. Candidates 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

[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 1151 *{Inactive}*[LE CAT4] (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 athletic training:

- \* Completion of at least 120 credits.
- \* Completion of at least 35 credits in the Liberal Education Program, and advanced writing requirement: WRIT 3140 or WRIT 3150.
- \* A minimum University of Minnesota, overall, and major 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken 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

[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)  
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

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

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)

#### Suggested Electives

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)



## 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 2010
- 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

- [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

Take exactly 4 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 65 to 69
- 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 54 credits before admission to the program.

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

A GPA above 2.0 is preferred for the following:

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

Students who wish to obtain an undergraduate degree in communication sciences and disorders must be formally admitted to the program. Department approval of the candidacy papers constitutes formal admission to the undergraduate program. To have candidacy papers approved, students must have completed at least 54, but not more than 70, semester credits and have a minimum overall GPA of 2.80. Students with 70 credits who have not filed candidacy papers will have a hold placed on their records and will not be able to register for classes.

The program allows for alternatives to the established admission procedures on a case-by-case basis.

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:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program, and the advanced writing requirement: WRIT 3140 or WRIT 3150 or WRIT 3160.
- Undergraduates who have been formally admitted to the degree program must maintain an overall GPA of at least 2.80. Students whose GPA falls below 2.80 are placed on department academic probation and have one semester to raise their GPA to at least 2.80. If students fail to raise their GPA within one semester, they are dismissed from the program, cannot enroll in CSD courses or complete their undergraduate degree in communication sciences and disorders at UMD. Undergrads are placed on academic probation only once before being dismissed from the program.
- Completion of all courses in the CSD major with a minimum GPA of 2.80 (including transfer work).
- A minimum University of Minnesota and overall (including transfer credits) GPA of 2.80.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- Students seeking two degrees (e.g., a B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.

### 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)

### CSD Core

Exit Standards: Senior-level students in good academic standing are required to complete 3 credits of CSD 4197. This constitutes a clinical internship in which the students work directly with individuals who have speech, language, or hearing disorders. The internship takes place in the on-campus speech-language-hearing clinic under the close supervision of department faculty who are certified by the American Speech-Language-Hearing Association.

[CSD 1100](#) - Phonetics [LE CAT3] (2.0 cr)

[CSD 2230](#) - Introduction to Human Communication Disorders [LE CAT8, LECD CAT08, SOC SCI, CDIVERSITY] (3.0 cr)

[CSD 3103](#) - Anatomy of Speech and Hearing Mechanisms (3.0 cr)

[CSD 3131](#) - Language Development (4.0 cr)

[CSD 3150](#) - Fundamentals and Clinical Applications of Speech Science (3.0 cr)

[CSD 3160](#) - Fundamentals of Hearing Science (3.0 cr)

[CSD 3200](#) - Articulation and Phonological Disorders (3.0 cr)

[CSD 3232](#) - Language Disorders (3.0 cr)

[CSD 3241](#) - Foundations of Treatment in Communication Disorders I (3.0 cr)

[CSD 4010](#) *{Inactive}* (1.0 cr)

[CSD 4197](#) - Clinical Practicum in Communication Disorders (1.0 cr)

[CSD 4200](#) - Introduction to Fluency Disorders (3.0 cr)

[CSD 4400](#) - Hearing Disorders and Evaluation (3.0 cr)

[CSD 4500](#) - Voice Disorders (3.0 cr)

[CSD 5400](#) - Rehabilitative Procedures for the Hard of Hearing (3.0 cr)

### Courses From Other Programs

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

[PSY 2021](#) - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)

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

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



COMM 1112 - Public Speaking [LE CAT3, COMM & LAN] (3.0 cr)  
or COMM 1222 - Interpersonal Communication [LE CAT3, LECD CAT03, COMM & LAN] (3.0 cr)  
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)  
PSY 3020 - Statistical Methods (4.0 cr)  
or STAT 1411 - Introduction to Statistics [LE CAT2, LOGIC & QR] (3.0 cr)

**Minnesota School Licensure**

Students who wish to obtain Minnesota licensure as a speech-language pathologist for school settings (pre-kindergarten to grade 12) must complete a master's degree in speech-language pathology from a program accredited by the American-Speech-Language-Hearing Association. UMD's M.A. in communication sciences and disorders holds this accreditation.



## Duluth Campus

# 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 2010
- 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

- [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 4100](#) - Linguistics of American Sign Language (3.0 cr)
- [ASL 4110](#) - Deaf Culture (3.0 cr)
- [ASL 4298](#) - American Sign Language Skill Building Workshop (1.0 cr)



## Duluth Campus

# Elementary and Middle School Education B.A.Sc.

Education

## College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 130 to 144
- Required credits within the major: 117 to 135
- This program is 9 terms (4½ years) long.
- Degree: Bachelor of Applied Science

Students will no longer be accepted into this program as pre-elementary/middle school majors after summer 2010. Program requirements below are for current students only. For those current students entering the upper division program Fall 2010 or Spring 2011, two additional courses are required (ELED 3326 and 4347).

Successful completion of a B.A.Sc. in elementary and middle school education qualifies students to apply for state licensure to teach grades K-6 and 5-8 in the specialty field in any Minnesota elementary or middle school. The major also provides a good foundation for programs leading to licensure as a special educator, an elementary principal, or an elementary school counselor; or for non-school-related occupations requiring skill in working with children.

An effective elementary school 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 a practicum setting, and a semester of student teaching experience. As part of the program, students are required to complete an approved specialty area.

Elementary education licensure requirements are established by the state of Minnesota and guided by national standards. Those requirements are changed periodically. To ensure each student has a personalized and current plan of courses to complete, freshman elementary education majors and transfer students should contact their elementary education advisers early in their first semester at UMD.

## Program Delivery

This program is available:

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

## Admission Requirements

Students must complete 35 credits before admission to the program.

Freshman and transfer 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

Admission into the elementary education program is selective. Students apply for admission after completing lower division requirements. Minimum admission criteria include: completion of 60 credits; overall GPA of 2.70; MTLE Basic Skills scores; and a minimum of C- or better in all major courses. Students must select a teaching specialty area from: 5-8 communication arts/literature; 5-8 mathematics; 5-8 science; 5-8 social studies.

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 (35 cr)

Depending on math placement test score, students may be required to complete prerequisite courses in mathematics.

One MATH or STAT course (3-5 cr) in addition to MATH 1141. MATH 1005 does not fill this requirement.

[ART 1002](#) - Introduction to Art [LE CAT10, FINE ARTS] (3.0 cr)

[EDUC 1000](#) - Human Development (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)

[IESE 1010](#) - Introduction to Inclusive Education (3.0 cr)

[MATH 1141](#) *{Inactive}*[LOGIC & QR] (4.0 cr)

[MU 1601](#) *{Inactive}*(1.0 cr)

#### Literature

Take exactly 1 course(s) from the following:

- [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)
- [AMIN 1606](#) - Introduction to American Indian Literature [LE CAT9, HUMANITIES, CDIVERSITY] (3.0 cr)

#### COMM 1xxx-3xxx

Recommended course - COMM 1112

Take exactly 1 course(s) from the following:

- COMM 1xxx
- COMM 2xxx
- COMM 3xxx

#### GEOG 1xxx-3xxx

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

- GEOG 1xxx
- GEOG 2xxx
- GEOG 3xxx

#### HIST 1xxx-3xxx

Recommended course - HIST 1304 or 1305

Take exactly 3 credit(s) from the following:

- HIST 1xxx
- HIST 2xxx
- HIST 3xxx

## General Requirements

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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 elem/middle school education include:

- \* Completion of at least 120 credits.

- \* Completion of at least 35 credits in the Liberal Education Program and WRIT 3140.
- \* Completion of all courses specified for the major with a minimum 2.70 GPA (including transfer work); grades of C- or better in all required courses.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.70 GPA in any area of specialization or elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.70 GPA as required by the program.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- \* Beginning fall semester 2011, the elementary and special education programs will be merged to form a new program called the Integrated Elementary and Special Education (IESE) Program. Students who will complete their licensure program after September 1, 2012 will need to complete the IESE program to receive K-6 licensure. Refer to the program requirements identified in the description of the major.
- \* Progress is monitored in academic performance, professional dispositions, and teaching skills during field experiences. Students who do not meet program standards may be dropped from the major.

#### Diversity Immersion Experience Requirement

Candidates must spend a minimum of 40 hours at an approved formal or nonformal educational setting that has a high percentage 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 portfolios.

After EDUC 1101; before completion of program. Registration for credit is not required for this experience; however, candidates may complete through assigned courses or field experiences or by registering for credit for EDUC 4991.

#### Upper Division (67 cr)

Before being recommended for licensure, students must demonstrate satisfactory performance outcomes, grades of C- or better in all required courses in the major and specialty area, acceptable ratings from classroom and University supervisors, including student teaching, and a portfolio documenting competence in the Minnesota and national Standards of Effective Practice. Portfolios are evaluated by University supervisors. Students must pass all tests required by the Minnesota Board of Teaching.

ART 3810 *{Inactive}*(3.0 cr)

ECH 3006 *{Inactive}*(2.0 cr)

EDSE 4120 *{Inactive}*(2.0 cr)

EDUC 3412 - The Computer in Education (4.0 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)

HLTH 3161 *{Inactive}*(2.0 cr)

MU 3601 *{Inactive}*(2.0 cr)

PEP 3126 *{Inactive}*(2.0 cr)

#### Block I (17 cr)

ELED 3113 *{Inactive}*(3.0 cr)

with IESE 3325 - Foundations of Literacy and Language (3.0 cr)

with IESE 3331 - Children's Literature in the Elementary School (3.0 cr)

with IESE 3355 - Critical Thinking Elementary Mathematics Methods I (2.0 cr)

with ELED 4400 *{Inactive}*(1.0 cr)

with SPED 3310 *{Inactive}*(1.0 cr)

#### Block II (17 cr)

EDUC 3381 - Teaching American Indian Students in the Elementary Classroom (3.0 cr)

with IESE 4344 - Teaching Science and Environmental Education I (3.0 cr)

with ELED 4345 *{Inactive}*(3.0 cr)

with IESE 4366 - Teaching Elementary Social Studies I (3.0 cr)

with SPED 4310 - Response to Intervention in the General Education Classroom (4.0 cr)

#### Block III (13 cr)

Registration for student teaching in the senior year requires: 2.70 GPA overall and in major courses; grades of C- or better in all courses in the major; and completion (graded) of all professional education courses. Students must have personal liability insurance while they are working in field placement settings.

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

[EDUC 4500](#) - Professional Issues and Ethics (1.0 cr)

[ELED 4600](#) - Student Teaching (6.0 - 12.0 cr)

## Program Sub-plans

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

### Teaching Communication Arts/Literature

Teaching communication arts/literature specialization (25 cr) is for licensure taken in connection with the elementary/middle school major.

#### Specialization Courses

[EDSE 4212](#) *{Inactive}*(3.0 cr)

[ENGL 1582](#) - Introduction to World Literatures [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER] (4.0 cr)

[ENGL 3563](#) - American Literature I [HUMANITIES, CDIVERSITY] (4.0 cr)

[ENGL 3564](#) - American Literature II [HUMANITIES, CDIVERSITY] (4.0 cr)

[ENGL 5902](#) - Teaching Language, Cognition, and Writing (4.0 cr)

[LING 1811](#) - Introduction to Linguistics [LE CAT2, LOGIC & QR] (3.0 cr)

[ENGL 3501](#) - British Literature I [HUMANITIES] (4.0 cr)

or [ENGL 1535](#) - King Arthur in History, Literature, and Art [LE CAT9, HUMANITIES] (4.0 cr)

### Teaching Mathematics

Teaching mathematics specialization (21-23 cr) is for licensure taken in connection with the elementary/middle school major.

#### Specialization Courses

[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)

#### Sublist

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

•[MATH 1160](#) - Finite Mathematics and Introduction to Calculus [LE CAT2, LOGIC & QR] (5.0 cr)

•[MATH 1250](#) - Precalculus Analysis [LE CAT2, LOGIC & QR] (4.0 cr)

•[MATH 1290](#) - Calculus for the Natural Sciences [LE CAT2, LOGIC & QR] (5.0 cr)

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

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

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

•[STAT 2411](#) - Statistical Methods [LE CAT2, LOGIC & QR] (3.0 cr)

•[STAT 3611](#) - Introduction to Probability and Statistics (4.0 cr)

### Teaching Science

Teaching science specialization (23-27 cr) is for licensure taken in connection with the elementary and middle school major.

#### Specialization Courses

Complete at least one of the following course pairs:

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

[BIOL 1012](#) - General Biology II [SUSTAIN] (5.0 cr)

or [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 1151](#) *{Inactive}*[LE CAT4] (5.0 cr)

[CHEM 1152](#) *{Inactive}*(5.0 cr)

or for this course pair [GEOL 2110](#) must include lab

[GEOL 1110](#) - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)

[GEOL 2110](#) - Earth History (4.0 cr)

or [GEOL 1110](#) - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)

[GEOL 2120](#) - The Earth's Dynamic Interior (3.0 cr)

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

[PHYS 1002](#) - Introduction to Physics II (5.0 cr)

#### Additional Science Courses

BIOL or CHEM or GEOL or PHYS not needed if corresponding sequence above was taken:

Take 5 - 6 course(s) from the following:

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

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



- CHEM 1102 *{Inactive}*[LE CAT4] (3.0 - 4.0 cr)
- EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
- GEOL 1110 - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- PHYS 1011 - Conceptual Physics [LE CAT5, NAT SCI] (3.0 cr)

#### Teaching Social Studies

Teaching social studies specialization (25 cr) is for licensure taken in connection with the elementary and middle school major.

#### Specialization Courses

- ECON 1003 - Economics and Society [LE CAT8, SOC SCI] (3.0 cr)
- EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
- GEOG 1414 - Physical Geography [LE CAT4, NAT SCI, SUSTAIN] (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)
- POL 1011 - American Government and Politics [LE CAT6, SOC SCI] (3.0 cr)
- SOC 1101 - Introduction to Sociology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- GEOG 1202 - World Regional Geography [LE CAT8, LEIP CAT08, GLOBAL PER] (3.0 cr)  
or GEOG 1304 - Human Geography [LE CAT6, LECD CAT06, SOC SCI] (3.0 cr)

## Duluth Campus

# Exercise Science 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 96 to 97
- 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 psychosociological 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 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

CHEM 1151 for exercise and sport science concentration.

CHEM 1113 or CHEM 1151 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)

[WRIT 1120](#) - College Writing [LE CAT1, WRITING] (3.0 cr)

[WRIT 3150](#) - Advanced Writing: Science (3.0 cr)

[CHEM 1113](#) - Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI] (5.0 cr)  
or CHEM 1151 *{Inactive}*[LE CAT4] (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 exercise science include:

∩ Completion of courses to total at least 120 credits.

∩ Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3150.

∩ Completion of all courses specified for the major, including concentration.

∩ A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.

∩ 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.

∩ 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.





### ESAT Core Courses (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.

### 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

- 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

- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
- CHEM 1152 *{Inactive}*(5.0 cr)
- MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)
- PHYS 1002 - Introduction to Physics II (5.0 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)
- ESAT 3430 - Principles of Strength and Conditioning Programs (4.0 cr)
- PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- PSY 3121 - Abnormal Psychology (4.0 cr)

### Health and Fitness

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

- 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 3432 *{Inactive}*(3.0 cr)
- ESAT 3450 *{Inactive}*(3.0 cr)





ESAT 4996 - Internship (3.0 - 12.0 cr)

**Courses From Other Programs**

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)

**Special Interest**

The B.A.Sc. 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**

Students select, with approval by the academic adviser and department academic affairs committee, a variety of courses with ESAT and related designators. These courses, when combined with all other degree and University requirements, must total at least 120 credits.

In general, this concentration consists of courses with the ANAT, BIOL, CHEM, ENGR, ESAT, HLTH, PHYS, PSY, and SOC designators.

## 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 89 to 107
- 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 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. Health education advisers assist students in the application process.

Students in the school health option must apply to the Secondary Teacher Education Program (STEP). Health education advisers assist students in this application process.

Students transferring from outside of UMD or from other UMD academic units must have a minimum GPA of 2.50, and must meet with the health education program coordinator before transfer to the major can be approved.

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

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

EDUC 3412 completion of 4 credits required

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

CHEM 1102 *(Inactive)* [LE CAT4] (3.0 - 4.0 cr)  
COMM 1112 - Public Speaking [LE CAT3, COMM & LAN] (3.0 cr)  
EDUC 1100 - Human Diversity [LE CAT8, LECD CAT08, CDIVERSITY] (3.0 cr)  
EDUC 3412 - The Computer in Education (4.0 cr)  
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)  
PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)  
SOC 1101 - Introduction to Sociology [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 health education include:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services (3 cr).
- \* Community health or school health emphasis.
- \* Completion of all courses specified for the major, including the emphasis, with a minimum 2.50 GPA (including transfer work).
- \* A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- \* Students majoring in health education are expected to maintain a 2.50 GPA overall and in the major. Students whose GPA is below the minimum for two consecutive semesters may be dismissed from the major, as it is unlikely they will meet the standard for graduation from the program. Health education students must demonstrate acceptable professional performance in their courses and field experiences.

### Upper Division

HLTH 3101 - Community Health (3.0 cr)  
HLTH 3115 - Consumer Health Education (3.0 cr)  
HLTH 3117 - Principles of Sex 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)

## 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

HLTH 4996 completion of 9 credits required  
[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) and meets the Minnesota Board of Teaching licensure requirements as well as program standards of the National Council for Accreditation of Teacher Education (NCATE). Because this concentration is offered in conjunction with the Department of Education, students must meet requirements from that department.

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

EDSE 4600 (register for 12 cr)  
[EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)  
[EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)  
[EDSE 4214](#) - Teaching Content-Area Reading (2.0 cr)  
[EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)  
[EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)  
[EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)  
[EDUC 1101](#) - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)  
[EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)  
[EDUC 4500](#) - Professional Issues and Ethics (1.0 cr)  
[HLTH 3302](#) - School Health Education Methods and Materials (3.0 cr)  
[SPED 3415](#) - Special Education in the Secondary School (3.0 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 2010
- 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)



## Duluth Campus

# Integrated Elementary and Special Education B.A.Sc.

Education

## College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 148
- Required credits within the major: 148
- This program is 9 terms (4½ 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 a practicum setting, 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 assessment, management, reading, math and teaching strategies.

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 must be filed during the first or second semester of the sophomore year. Requirements include:

- \* Declaration of intent has been filed and accepted.
- \* Successful completion of 60 hours documented work with children in a professional setting.
- \* Overall GPA of 2.70 or higher.
- \* Letter of application.
- \* Three recommendations from professionals who have observed the applicant working with children.
- \* Evidence the applicant has taken the three sections of the Minnesota Board Teaching required basic skills test.

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

## Required prerequisites

### Core Requirements

In addition to courses listed below, students must complete Lib Ed Category 2 with a MATH or STAT course; Lib Ed Category 4 (GEOG course suggested);

Lib Ed Category 9 (English or literature course suggested) plus a geography course if not already taken in Lib Ed Category 4.

[ART 2810](#) - Art in Elementary Education [LE CAT10, FINE ARTS] (3.0 cr)

[ASL 2001](#) - Beginning American Sign Language I [LE CAT3, LECD CAT03, COMM & LAN] (3.0 cr)

[CSD 2230](#) - Introduction to Human Communication Disorders [LE CAT8, LECD 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)  
 IESE 1010 - Introduction to Inclusive Education (3.0 cr)  
 HPER 3300 - Health and Physical Education in the Elementary School (3.0 cr)  
 MATH 1141 *{Inactive}*[LOGIC & QR] (4.0 cr)  
 MU 3600 - Music in the Elementary Classroom (3.0 cr)  
 UST 1000 - UMD Seminar (1.0 - 2.0 cr)  
 WRIT 1120 - College Writing [LE CAT1, WRITING] (3.0 cr)  
 HIST 1304 - US History Part I: 1607-1877 [LE CAT7, HUMANITIES] (4.0 cr)  
 or 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 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

### Program requirements

EDUC 3412 should be taken for 4 credits, ELED 4600 should be taken for 12 credits, SPED 4600 should be taken for 6 credits. Lib Ed category 5 recommend HLTH 1470.

EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)  
 EDUC 3412 - The Computer in Education (4.0 cr)  
 IESE 2001 - Diversity and Education Implications (3.0 cr)  
 IESE 3325 - Foundations of Literacy and Language (3.0 cr)  
 IESE 3326 - Advanced Literacy & Language: Designing & Implementing a Comprehensive Literacy Program (2.0 cr)  
 IESE 3331 - Children's Literature in the Elementary School (3.0 cr)  
 IESE 3355 - Critical Thinking Elementary Mathematics Methods I (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 4344 - Teaching Science and Environmental Education I (3.0 cr)  
 IESE 4346 - Teaching Science & Environmental Education II (2.0 cr)  
 EDUC 4347 - Second Language Acquisition & ELL: How Second Languages are Learned & Methods for Teaching (2.0 cr)  
 IESE 4366 - Teaching Elementary Social Studies I (3.0 cr)  
 IESE 4367 - Teaching Elementary Social Studies II (2.0 cr)  
 ELED 4600 - Student Teaching (6.0 - 12.0 cr)  
 SPED 4204 - Assessment in the General and Special Education Classroom (4.0 cr)  
 SPED 4310 - Response to Intervention in the General Education Classroom (4.0 cr)  
 SPED 4351 *{Inactive}*(4.0 cr)  
 SPED 4381 - Classroom and Behavior Management (4.0 cr)  
 SPED 4382 *{Inactive}*(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)  
 SPED 4455 - Transitional Planning for Adolescents with Disabilities (4.0 cr)  
 SPED 4585 - Individual Education Plans: Development and Implementation (3.0 cr)  
 SPED 4600 - Student Teaching (1.0 - 12.0 cr)



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





## Duluth Campus

# Ojibwe Elementary/Middle School Education B.A.Sc.

Education

## College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 135 to 142
- Required credits within the major: 120
- 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/Middle 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 the 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 specialty in Ojibwe language in immersion schools or other schools, grades K-8. Students complete language courses throughout the program and participate in language immersion camps to achieve proficiency in 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 51 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 the 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.

UST 1000 - UMD Seminar (1.0 - 2.0 cr)

### 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

or COMM 2xxx

or COMM 3xxx

Take 3 - 4 credits from the following:

GEOG 1xxx

or GEOG 2xxx

or GEOG 3xxx

Recommended course HIST 1304 or 1305. Take exactly 3 credits from the following:

HIST 1xxx

or HIST 2xxx

or 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)

or ENGL 1001 - Great American Authors [LE CAT9, HUMANITIES] (3.0 cr)

or ENGL 1101 - Literature Appreciation [LE CAT9, HUMANITIES] (3.0 cr)

or ENGL 1575 - 20th-Century Literature [LE CAT9, HUMANITIES] (4.0 cr)

or ENGL 1582 - Introduction to World Literatures [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER] (4.0 cr)

or ENGL 1585 - Australian and New Zealand Literature and Culture [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER] (4.0 cr)

or 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)

## 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 Ojibwe Elementary/Middle School Education (Gekinoo'imaagejig) include:

\* Completion of courses to total at least 120 credits.

\* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced



writing requirement: WRIT 3140 - Advanced Writing: Human Services (3 cr).

\* Completion of all courses specified for the major with a minimum 2.70 GPA (including transfer work); grades of C- or better in all required courses.

\* A minimum University of Minnesota and overall (including transfer credits) 2.70 GPA in any area of specialization or elected minor.

\* A minimum University of Minnesota and overall (including transfer credits) 2.70 GPA as required by the program.

\* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation 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.

\*\*\*For those current students entering the upper division program Fall 2010 or Spring 2011, two additional courses are required.

#### 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/enigikendaasoyang](http://www.d.umn.edu/enigikendaasoyang). Students must have completed all professional courses and have earned a minimum GPA of 2.70 to be eligible for student teaching. 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)

#### 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 107 to 118
- NA
- 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 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. Physical Education Teacher Education (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 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 must complete 44 credits before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major. Because this major is offered in conjunction with the Department of Education, students must meet program admission requirements for the secondary and K-12 programs of that department.

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)

[BIOL 1001](#) - Biology and Society [LE CAT4, NAT SCI, SUSTAIN] (4.0 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)  
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)  
WRIT 1120 - College Writing [LE CAT1, WRITING] (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 physical education include:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program section of this catalog, and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services (3 cr).
- \* Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- \* A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.

### 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 I (12 cr)

EDSE 4120 *{Inactive}* (2.0 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 II (14 cr)

Students must apply for student teaching while enrolled in Block II courses. Applications must be submitted by the 5th Friday of the semester. Block II is also the time to take the PRAXIS II exam. This exam is required for licensure in Minnesota.

EDSE 4100 - Teaching in a Diverse Society (3.0 cr)

EDSE 4214 - Teaching Content-Area Reading (2.0 cr)

EDUC 4381 - 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 III (14 cr)

EDSE 4600 (register for 6 cr)

EDSE 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 (8 cr)

PETE 3507 - Teaching Outdoor Skills II (2.0 cr)

ENED 4163 - Outdoor Education Methods (3.0 cr)

PE 1530 - Rock Climbing [PE] (1.0 cr)

PETE 3509 - Teaching Canoeing (1.0 cr)

PETE 3501 - Teaching Cross-Country Skiing (1.0 cr)

### Electives (3 cr)

Take 3 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 1507 - Introduction to River Kayaking [PE] (1.0 cr)

•PE 1512 - Fishing Skills [PE] (1.0 cr)

•PE 1511 - Sea Kayaking (1.0 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 52
- NEW ONLINE MAJOR: This proposal is designed to extend UMD's outreach to the Iron Range by targeting students in northern Minnesota who have an Associate of Arts degree and 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. Attached to the hard copy proposal are advising sheets for each of the five community college campuses that will be targeted for enrollment. The advising sheets indicate where courses have been articulated and are thus available for students to take at home campuses.
- 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 for students who have completed an associate degree in psychology from one of the partner community colleges. 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 3998) 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)

## 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 Department of Psychology. Progress toward completion of degree requirements is continuously tracked by the UMD Registrar's APAS system.



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:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program (BIOL 1001 or BIOL 1011 must be used to satisfy Category 4) and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3160 - Advanced Writing: Social Sciences (3 cr). Students are strongly encouraged to take advanced writing before taking PSY 3021.
- \* Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work) in the major.
- \* A minimum University of Minnesota overall (including transfer credits) 2.00 GPA.
- \* 20 credits of PSY 3xxx or higher applied to the B.A.Sc. must be taken in residence 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.
- \* 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.

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



## Psychology

### 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, 3995, 3998, 3999). 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/Organizational 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 - Cognition (4.0 cr)
- PSY 3697 - Sensation and Perception (4.0 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:

#### I/O

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)

#### •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 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)

#### •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 *(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)

•**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 3621 - Cognition (4.0 cr)
- PSY 3661 - Psychology of Language (3.0 cr)
- PSY 5130 - Evolutionary Psychology (3.0 cr)
- PSY 5131 - Mind-Body Connection (3.0 cr)
- PSY 5155 - Forensic Psychology (3.0 cr)

-OR-

**Online Psychology**

Students in this program should complete the requirements listed in the online psychology subplan.

## 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.

Psychology major courses (52 cr)

AA degree, assumes 59 credits completed before starting the online major.

The online major has the same requirements as the regular major with the following exception: PSY 2003 is NOT required.

The research methods courses are considered to be the capstone experience for the program. 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 research methods courses require students to design and conduct a study. The online major content has been spread over three semesters to meet the same research objectives as in the traditional program.



## 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 2010
- 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

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 2xxx

PSY 3xxx

PSY 4xxx



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### **Duluth Campus**

## **Recreation - Outdoor 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 2010
- 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 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 94
- 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

Students must complete 25 credits before admission to the program.

Freshman and transfer 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-recreation majors. Students are encouraged to apply by the end of their freshman year.

No grades lower than C- in courses required for the major. Admission to the program requires a 2.50 overall 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)

#### Lower Division Core (25 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)

[HLTH 1700](#) - First Responder (3.0 cr)

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

[ENED 1203](#) - Outdoor Skills I (2.0 cr)

[ENED 1204](#) - Outdoor Skills II (2.0 cr)

REC 2300 *{Inactive}* (3.0 cr)

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

or [BIOL 1012](#) - General Biology II [SUSTAIN] (5.0 cr)

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

- PE 1xxx



## 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 courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3160 - Advanced Writing: Social Services (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work). No grades lower than C- in courses required for the major.
- A minimum University of Minnesota and overall (including transfer credit) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services early in their senior year.
- 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.

Skill Competency: Students who enroll in Physical Education Professional (PEP) 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 (49 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. All required coursework must be completed prior to enrollment in ENED 4996 (110 credits) with an overall GPA of 2.50.

- [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 3507](#) - Teaching Outdoor Skills II (2.0 cr)
- [PETE 3509](#) - Teaching Canoeing (1.0 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

The BIOL and GEOL field courses require adviser approval.

Take 10 or more credit(s) from the following:

- BIOL 2xxx
- BIOL 3xxx
- BIOL 4xxx
- GEOL 2xxx
- GEOL 3xxx
- [ENED 5343](#) - Advanced Field Interpretive Techniques (3.0 cr)
- [GEOG 4451](#) - The Geography of Soils (4.0 cr)
- [HLTH 2030](#) - Applied Human Anatomy (4.0 cr)
- [HLTH 2040](#) - Human Physiology (4.0 cr)

#### Approved Electives - Social Sciences

Take 10 or more credit(s) from the following:

- [ENED 3331](#) (*Inactive*)(2.0 cr)
- [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)
- [HPER 3000](#) - Organization and Administration of Health, Physical Education, and Recreation (3.0 cr)
- [PE 2240](#) - Lifeguarding Today (1.0 cr)
- [PETE 3508](#) - Teaching Rock Climbing (1.0 cr)
- [PSY 3211](#) - Group Dynamics (3.0 cr)
- [PSY 3524](#) - Basic Helping Skills (4.0 cr)
- [ENED 4991](#) - Independent Study (1.0 - 4.0 cr)
- [ENED 4992](#) - Readings in Recreation (1.0 - 4.0 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 2010
- 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**

- [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)

## Duluth Campus

# Teaching Communication Arts and Literature B.A.A.

Education, English

## College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 95 to 96
- 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, Communication, Composition and Linguistics. 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.

Freshman and transfer 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 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) a GPA of at least 2.50 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); and 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT. Students must submit a letter of application, résumé, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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)

[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:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3100 or WRIT 3140 or ENGL 3115 or ENGL 3121 or ENGL 5116 or ENGL 5122.
- Completion of all courses specified for the major with a minimum 2.80 GPA (including transfer work) in each major as required by the program.
- A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.80 GPA as required by the program.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- Registration for student teaching in the senior year requires: 3.00 GPA overall or 3.20 in major courses; 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.
- Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

### Upper Division (77-78)

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 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.

[EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)

[EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)

[EDSE 4100](#) - Teaching in a Diverse Society (3.0 cr)

[EDSE 4215](#) - Teaching Reading and Literature: Grades 5-12 (4.0 cr)

[EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)

[EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)

[EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)

[EDUC 3412](#) - The Computer in Education (4.0 cr)

[EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)

[EDUC 4500](#) - Professional Issues and Ethics (1.0 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)  
[ENGL 5922](#) *{Inactive}*(5.0 cr)  
[HLTH 3202](#) - Drug Education (2.0 cr)  
[ENGL 4802](#) - English Language for Educators (4.0 cr)  
[SPED 3415](#) - Special Education in the Secondary School (3.0 cr)

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

- ENGL 3xxx
- ENGL 4xxx

British Period Literature

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

- ENGL 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. 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, however, candidates who wish to earn credit may register for EDUC 4991.



### Duluth Campus

## Teaching Earth and Space Science B.A.Sc.

*D Earth & Environmental Sci, Education*

### College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 120 to 144
- Required credits within the major: 109
- 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 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 Department of Education that are consistent with Minnesota policies and standards established 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 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT; and 5) documented hours working with students in grade 5-12. 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 procedures to encourage individuals from underrepresented groups and other students as determined by the department.

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)

#### Required for Admission

[EDUC 1101](#) - Education in Modern Society [LE CAT7, HUMANITIES] (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 teaching earth and space science include:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3150 - Advanced Writing: Science (3 cr).
- \* Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- \* A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken 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

### Lower Division (54 cr)

- [AST 1040](#) - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)
- [BIOL 1011](#) - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- [BIOL 1012](#) - General Biology II [SUSTAIN] (5.0 cr)
- [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)
- [GEOL 1110](#) - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- [GEOL 1610](#) - Oceanography [LE CAT5, NAT SCI, SUSTAIN] (3.0 cr)
- [GEOL 2110](#) - Earth History (4.0 cr)
- [GEOL 2111](#) *{Inactive}* (1.0 cr)
- [GEOL 2311](#) - Mineralogy (4.0 cr)
- [GEOL 2350](#) - Earth's Resources [LE CAT5, LEIP CAT05, NAT SCI] (3.0 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)

### Upper Division (54 cr)



Registration for student teaching in the senior year requires: 2.50 GPA overall and in major courses; 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.

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 cr)

EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)

EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)

EDSE 4100 - Teaching in a Diverse Society (3.0 cr)

EDSE 4214 - Teaching Content-Area Reading (2.0 cr)

EDSE 4255 - Teaching Science: Grades 5-12 (3.0 cr)

EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)

EDSE 4525 - Assessment for Secondary Education (3.0 cr)

EDSE 4600 - Student Teaching (3.0 - 12.0 cr)

EDUC 3412 - The Computer in Education (4.0 cr)

EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)

EDUC 4381 - Teaching Indigenous Students (3.0 cr)

EDUC 4500 - Professional Issues and Ethics (1.0 cr)

GEOG 3401 - Weather and Climate (3.0 cr)

EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)

HLTH 3202 - Drug Education (2.0 cr)

SPED 3415 - Special Education in the Secondary School (3.0 cr)

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.

## 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 (29-30 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

Pre-approved natural science courses may be substituted.

Take 5 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 67 to 87
- 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 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 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) a GPA of at least 2.50 overall and 3.00 in major courses completed at time of application; 3) taken Pre-Professional Skills test (PPST); 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT. Students must submit a letter of application, résumé, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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 (3-23 cr)

Students may be exempted from part or all 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:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program (recommended - ENGL 1907 [Cat 9] and LING 1811 [Cat 2]), and the advanced writing requirement: WRIT 3140 - Advanced Writing:Human Services (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work.)
- A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- French majors are exempted from the campus-wide requirement for international perspectives courses; cultural diversity requirement must be met. Study abroad is essential for success in learning French.
- 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.

### 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.

### Student Teaching:

Registration for student teaching in the senior year requires: 3.00 GPA in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including LANG 4044; 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.

#### Upper Division (64 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.

EDUC 3412 (register for 4 cr)

EDUC 4600 (register for 12 cr)

EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)

EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)

EDSE 4100 - Teaching in a Diverse Society (3.0 cr)

EDSE 4214 - Teaching Content-Area Reading (2.0 cr)

EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)

EDSE 4525 - Assessment for Secondary Education (3.0 cr)

EDSE 4600 - Student Teaching (3.0 - 12.0 cr)

EDUC 3412 - The Computer in Education (4.0 cr)

EDUC 4381 - Teaching Indigenous Students (3.0 cr)

EDUC 4500 - Professional Issues and Ethics (1.0 cr)

HLTH 3202 - Drug Education (2.0 cr)

LANG 4044 *{Inactive}*(4.0 cr)

SPED 3415 - Special Education in the Secondary School (3.0 cr)

#### FR 3xxx-5xxx: including one culture course taught in French

See a complete listing of Duluth course descriptions at [www.catalogs.umn.edu/UMDcourses/](http://www.catalogs.umn.edu/UMDcourses/).

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

- FR 3xxx
- FR 4xxx
- FR 5xxx

#### Exit Standards

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

## 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 67 to 87
- 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 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 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) a GPA of at least 2.50 overall and 3.00 in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); and 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT. Students submit a letter of application, résumé, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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 (3-23 cr)

Students may be exempted from part or all 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)

## 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 German include:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program (recommended - ENGL 1907 [Cat 9] and LING 1811 [Cat 2]), and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- German majors are exempted from the campus-wide requirement for international perspectives courses; cultural diversity requirement must be met.
- Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

### 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.

### Student Teaching:

Registration for student teaching in the senior year requires: 3.00 GPA in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including LANG 4044; 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

#### Upper Division (64 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.

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 cr)

[EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)

[EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)

[EDSE 4100](#) - Teaching in a Diverse Society (3.0 cr)

[EDSE 4214](#) - Teaching Content-Area Reading (2.0 cr)

[EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)

[EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)

[EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)

[EDUC 3412](#) - The Computer in Education (4.0 cr)

[EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)

[EDUC 4500](#) - Professional Issues and Ethics (1.0 cr)

[HLTH 3202](#) - Drug Education (2.0 cr)

[LANG 4044](#) *{Inactive}* (4.0 cr)

[SPED 3415](#) - Special Education in the Secondary School (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/](http://www.catalogs.umn.edu/UMDCourses/).

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

- GER 3xxx
- GER 4xxx
- GER 5xxx

#### Exit Standards

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

## 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 2010
- Required credits to graduate with this degree: 120 to 165
- Required credits within the major: 116 to 117
- 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 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 Department of Education that are consistent with Minnesota policies and standards established 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 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT; and 5) documented hours working with students in grade 5-12. Students must submit a letter of application, résumé, letters of recommendation, and a copy of their APAS report.

There are alternatives to these established admission procedures to encourage individuals from underrepresented groups and other students as determined by the department.

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)

### Admission Requirement

[EDUC 1101](#) - Education in Modern Society [LE CAT7, HUMANITIES] (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 teaching life science include:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3150 - Advanced Writing: Science (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken 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.

### Lower Division

- [AST 1040](#) - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 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)
- [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)
- [BIOL 2802](#) - Ecology Laboratory (2.0 cr)
  - or [BIOL 2102](#) - Cell Biology Laboratory (2.0 cr)
  - or [BIOL 2202](#) - Genetics Laboratory (2.0 cr)
- [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 1151](#) *{Inactive}*[LE CAT4] (5.0 cr)
  - [CHEM 1152](#) *{Inactive}*(5.0 cr)
  - [CHEM 2541](#) - Organic Chemistry I (3.0 cr)
  - [CHEM 2543](#) is desirable but not required

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)  
CHEM 2543 is desirable but not required

### Upper Division

Registration for student teaching in the senior year requires: 2.50 GPA overall and in major courses; 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.

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 cr)

BIOL 3401 - Evolution [SUSTAIN] (3.0 cr)

EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)

EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)

EDSE 4100 - Teaching in a Diverse Society (3.0 cr)

EDSE 4214 - Teaching Content-Area Reading (2.0 cr)

EDSE 4255 - Teaching Science: Grades 5-12 (3.0 cr)

EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)

EDSE 4525 - Assessment for Secondary Education (3.0 cr)

EDSE 4600 - Student Teaching (3.0 - 12.0 cr)

EDUC 3412 - The Computer in Education (4.0 cr)

EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)

EDUC 4381 - Teaching Indigenous Students (3.0 cr)

EDUC 4500 - Professional Issues and Ethics (1.0 cr)

EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)

HLTH 3202 - Drug Education (2.0 cr)

SPED 3415 - Special Education in the Secondary School (3.0 cr)

GEOL 3210 - Geomorphology (4.0 cr)

or GEOL 2110 - Earth History (4.0 cr)

or GEOL 2120 - The Earth's Dynamic Interior (3.0 cr)

BIOL 3703 - Animal Physiology (3.0 cr)

or BMS 3011 - General Physiology (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.

### 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 30-31 credits for the environmental education emphasis.

### Requirements

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**

Pre-approved natural science courses may be substituted.

Take 5 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)



## Duluth Campus

# 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 94
- 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 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 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) a GPA of at least 2.50 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); and 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT. Students must submit a letter of application, résumé, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3150 - Advanced Writing: Science (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- A minimum University of Minnesota and overall (including transfer credit) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credit) 2.50 GPA.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.

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.

### Upper Division (76 cr)

Registration for student teaching in the senior year requires: 2.50 GPA overall and in major courses; 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.

- EDUC 3412 (register for 4 cr)
- EDSE 4600 (register for 12 cr)
- [EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)
- [EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)
- [EDSE 4100](#) - Teaching in a Diverse Society (3.0 cr)
- [EDSE 4214](#) - Teaching Content-Area Reading (2.0 cr)
- [EDSE 4222](#) - Teaching Mathematics: Grades 5-12 (4.0 cr)
- [EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)
- [EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)
- [EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)
- [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)
- [EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)
- [EDUC 4500](#) - Professional Issues and Ethics (1.0 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)
- [SPED 3415](#) - Special Education in the Secondary School (3.0 cr)
- [STAT 3611](#) - Introduction to Probability and Statistics (4.0 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. 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.

### 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 2010
- Required credits to graduate with this degree: 120 to 137
- Required credits within the major: 111 to 115
- 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 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 Department of Education that are consistent with Minnesota policies and 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 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); 4) passing scores on a nationally recognized standardized test such as PPST, ACT, or SAT; 5) documented hours working with students in grades 5-12. 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 procedures to encourage individuals from underrepresented groups and other students as determined by the department.

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:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3150 - Advanced Writing: Science (3 cr).
- \* Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- \* A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken 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.

### 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 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.

### Upper Division

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 cr)

Registration for student teaching in the senior year requires: 2.50 GPA overall and in major courses; 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

[EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)

[EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)

[EDSE 4100](#) - Teaching in a Diverse Society (3.0 cr)

[EDSE 4214](#) - Teaching Content-Area Reading (2.0 cr)

[EDSE 4255](#) - Teaching Science: Grades 5-12 (3.0 cr)

[EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)

[EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)

[EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)

[EDUC 3412](#) - The Computer in Education (4.0 cr)

[EDUC 4234](#) - Science, Technology, and Society [SUSTAIN] (3.0 cr)

[EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)

[EDUC 4500](#) - Professional Issues and Ethics (1.0 cr)

[HLTH 3202](#) - Drug Education (2.0 cr)

SPED 3415 - Special Education in the Secondary School (3.0 cr)

## 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

- AST 1040 - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)
- BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
- CHEM 1151 *{Inactive}*[LE CAT4] (5.0 cr)
- CHEM 1152 *{Inactive}*(5.0 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 2543 - Organic Chemistry I Laboratory (1.0 cr)
- CHEM 2542 - Organic Chemistry II (3.0 cr)
- CHEM 2544 - Organic Chemistry II Laboratory (1.0 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)
- PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
- PHYS 1002 - Introduction to Physics II (5.0 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 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)

#### Upper Division

- CHEM 3322 - Biochemistry (3.0 cr)
- CHEM 3324 - Biochemistry Laboratory (1.0 cr)
- EDUC 4110 - Advanced Earth Science for Teachers (2.0 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

- AST 1040 - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)
- BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
- 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)
- 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 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)
- MATH 1297 - Calculus II [LOGIC & QR] (5.0 cr)
- PHYS 2011 *{Inactive}*[LE CAT4, NAT SCI] (4.0 cr)
- PHYS 2012 *{Inactive}*(4.0 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)
- 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)

#### Upper Division

- EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)
- PHYS 3061 - Instrumentation (3.0 cr)
- PHYS 4110 - Physics for Science Teachers (2.0 cr)



## Duluth Campus

# Teaching Social Studies B.A.A.

Education

## College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2010
- Required credits to graduate with this degree: 120 to 124
- Required credits within the major: 103
- Degree: Bachelor of Applied Arts

The B.A.A. in teaching social studies prepares students to teach in 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 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 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) a GPA of at least 2.50 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); and 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT. Students must submit a letter of application, resume, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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:

- \* Completion of courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services or WRIT 3160 - Advanced Writing: Social Sciences (3 cr)
- \* Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- \* A minimum University of Minnesota and overall (including transfer credit) 2.00 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credit) 2.50 GPA.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- \* Make satisfactory academic progress and demonstrate acceptable professional performance in field experiences
- \* Registration for student teaching in the senior year requires: 2.50 GPA in major courses; 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

### Lower Division (34 cr)

- [POL 1011](#) - American Government and Politics [LE CAT6, SOC SCI] (3.0 cr)
- [PSY 1003](#) - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
- [SOC 1101](#) - Introduction to Sociology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- [GEOG 1414](#) - Physical Geography [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- [ANTH 1602](#) - Biological Anthropology and Archaeology [LE CAT7, LEIP CAT07, SOC SCI] (4.0 cr)  
or [ANTH 1604](#) - Cultural Anthropology [LE CAT6, LEIP CAT06, SOC SCI, GLOBAL PER] (4.0 cr)
- [ECON 1003](#) - Economics and Society [LE CAT8, SOC SCI] (3.0 cr)  
or [ECON 1022](#) - Principles of Economics: Macro [LE CAT6, SOC SCI] (3.0 cr)  
or [ECON 1023](#) - Principles of Economics: Micro [LE CAT6, SOC SCI] (3.0 cr)
- [GEOG 1202](#) - World Regional Geography [LE CAT8, LEIP CAT08, GLOBAL PER] (3.0 cr)  
or [GEOG 1304](#) - Human Geography [LE CAT6, LECD CAT06, SOC SCI] (3.0 cr)
- [HIST 1207](#) - Dawn of Modern Europe [LE CAT7, HUMANITIES] (4.0 cr)  
or [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)  
or [HIST 1305](#) - US History Part II: 1865-Present [LE CAT7, HUMANITIES] (4.0 cr)
- [POL 1050](#) - International Relations [LE CAT8, LEIP CAT08, GLOBAL PER] (3.0 cr)  
or [POL 1500](#) - Introduction to Comparative Politics [LE CAT6, LEIP CAT06, GLOBAL PER] (3.0 cr)  
or [POL 1610](#) - Introduction to Political Theory [LE CAT7, HUMANITIES] (3.0 cr)

### Upper Division - Non-Western History

Take no more than 1 course(s) totaling at most 3 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. 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.

### Education Courses (48 cr)

- EDUC 3412 (register for 4 cr)
- EDUC 4600 (register for 12 cr)

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

- [EDSE 4204](#) - Designing Learning Environments and Lessons (3.0 cr)
- [EDSE 3206](#) - Apprenticeship: Secondary School (2.0 cr)
- [EDSE 4100](#) - Teaching in a Diverse Society (3.0 cr)
- [EDSE 4214](#) - Teaching Content-Area Reading (2.0 cr)
- [EDSE 4244](#) - Teaching Social Studies: Grades 5-12 (3.0 cr)
- [EDSE 4501](#) - Adolescent/Adult Development and Learning Theory (3.0 cr)
- [EDSE 4525](#) - Assessment for Secondary Education (3.0 cr)
- [EDSE 4600](#) - Student Teaching (3.0 - 12.0 cr)
- [EDUC 1101](#) - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
- [EDUC 3412](#) - The Computer in Education (4.0 cr)
- [EDUC 4234](#) - Science, Technology, and Society [SUSTAIN] (3.0 cr)
- [EDUC 4381](#) - Teaching Indigenous Students (3.0 cr)
- [EDUC 4500](#) - Professional Issues and Ethics (1.0 cr)
- [HLTH 3202](#) - Drug Education (2.0 cr)
- [SPED 3415](#) - Special Education in the Secondary School (3.0 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 3xxx
- ANTH 4xxx

### 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 3xxx
- ECON 4xxx
- ECON 5xxx

### 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

### 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

Take at most 12 credit(s) from the following:

##### Women's Studies

Take 6 - 12 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 0 - 6 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)

### Political Science

Take no more than 8 credits in any one category.

#### Political Science Emphasis

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

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 3xxx
  - SOC 4xxx

### History

Take no more than 8 cr in any one subrequirement group.

#### History Emphasis

Take at most 18 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, LECD CAT07] (4.0 cr)
- HIST 3316 *{Inactive}*(3.0 cr)
- HIST 3317 *{Inactive}*(3.0 cr)
- HIST 3361 *{Inactive}*(3.0 cr)
- HIST 3365 *{Inactive}*(4.0 cr)
- HIST 3xxx
- HIST 4xxx
- HIST 5xxx

##### Subrequirement II: European History

Take 0 - 8 credit(s) from the following:

- HIST 2544 *{Inactive}*(3.0 cr)
- 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 3121 *{Inactive}*(4.0 cr)
- HIST 3131 *{Inactive}*(4.0 cr)
- HIST 3141 - Ancient Rome: From Republic to Empire (4.0 cr)
- HIST 3055 - The Bible & Ancient Near East (4.0 cr)
- HIST 3151 *{Inactive}*(4.0 cr)
- HIST 3939 - Europe in the Age of Renaissance and Reformation: 1348-1648 (4.0 cr)
- HIST 3940 - Early Modern England: 1485-1689 (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 3133 - Ancient Greece from Homer to Alexander (4.0 cr)
- HIST 3035 - Ancient Warfare From Alexander to Mohammad (4.0 cr)
- HIST 3xxx
- HIST 4xxx
- HIST 5xxx

##### Subrequirement III: Asian, African, Non-U.S., Non-European

Take 0 - 8 credit(s) from the following:

- HIST 1603 *{Inactive}*(3.0 cr)
- HIST 2515 - Precolonial Africa [LE CAT7, LECD CAT07, HUMANITIES] (4.0 cr)
- HIST 2325 - Muslim Societies [LE CAT7, LEIP CAT07] (4.0 cr)
- HIST 3615 - Modern Africa (4.0 cr)
- HIST 3616 - Society and Culture in 20th-Century Africa (4.0 cr)
- HIST 3825 - Islamic History from Muhammad to the Ottomans (4.0 cr)
- HIST 3726 - Modern Middle East: 18th Century-Present (4.0 cr)



- HIST 3xxx
- HIST 4xxx
- HIST 5xxx

### 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 2010
- Required credits to graduate with this degree: 120
- Required credits within the major: 67 to 87
- 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 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 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) a GPA of at least 2.50 overall and 3.00 in major courses completed at time of application; 3) taken Pre-Professional Skills test (PPST); and 4) passing scores on a nationally recognized standardized test such as the PPST, ACT, or SAT.

Students must submit a letter of application, resume, letters of recommendations, and a copy of their Academic Progress Audit System (APAS) report.

There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

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

### Required prerequisites

#### Lower Division (3-23 cr)

Students may be exempted from part or all 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:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program (recommended - ENGL 1907 [Cat 9] and LING 1811 [Cat 2]), and the advanced writing requirement: WRIT 3140 - Advanced Writing: Human Services (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work.)
- A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- Spanish majors and minors are exempted from the campus-wide requirement for international perspectives courses; cultural diversity requirement must be met. Study abroad is essential for success in learning Spanish.
- 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.

### 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.

### Student Teaching:

Registration for student teaching in the senior year requires: 3.00 GPA in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including LANG 4044; 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.

#### Upper Division (64 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 second semester, sophomore year, students start upper division major courses and plan for application to the secondary teacher education program (STEP).

EDUC 3412 (register for 4 cr)

EDSE 4600 (register for 12 cr)

EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)

EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)

EDSE 4100 - Teaching in a Diverse Society (3.0 cr)

EDSE 4214 - Teaching Content-Area Reading (2.0 cr)

EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)

EDSE 4525 - Assessment for Secondary Education (3.0 cr)

EDSE 4600 - Student Teaching (3.0 - 12.0 cr)

EDUC 3412 - The Computer in Education (4.0 cr)

EDUC 4381 - Teaching Indigenous Students (3.0 cr)

EDUC 4500 - Professional Issues and Ethics (1.0 cr)

HLTH 3202 - Drug Education (2.0 cr)

LANG 4044 *{Inactive}*(4.0 cr)

SPED 3415 - Special Education in the Secondary School (3.0 cr)

#### **SPAN 3xxx-5xxx: Including one culture course taught in Spanish**

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

- SPAN 3xxx
- SPAN 4xxx
- SPAN 5xxx

#### 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 2010
- Required credits to graduate with this degree: 137 to 138
- Required credits within the major: 107
- 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 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 courses to total at least 120 credits.
- \* Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program and the advanced writing requirement: [WRIT 3140](#) - Advanced Writing: Human Services or [WRIT 3150](#) - Advanced Writing: Science (3 cr).
- \* Completion of all courses specified for the major with a minimum 2.70 GPA (including transfer work); grades of C- or better in all required courses.
- \* Completion of a portfolio approved by program faculty.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.00 GPA in any elected minor.
- \* A minimum University of Minnesota and overall (including transfer credits) 2.70 GPA as required by the program.
- \* 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 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken 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.

### Upper Division (86 cr)

Student teaching: application for student teaching must be made by the fourth Friday of the semester before student teaching. Applications are available from the Department of Education website. All incompletes must be cleared before filing the application. Students must have a 2.70 GPA and 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 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}~~(2.0 cr)

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 3109 - 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.