

# College of Education and Human Service Professions

- 77 Mission**
- 77 Teacher Licensure Programs**
- 77 Admission to Upper Division Programs**
- 77 Freshman Orientation Program**
- 78 Academic Standing**
- 78 College Honors**
- 78 CEHSP Advising & Academic Services**
- 78 Degrees Offered**
  - 78 Bachelor of Applied Arts (B.A.A.)
  - 79 Bachelor of Applied Science (B.A.Sc.)
- 79 Baccalaureate Degree Requirements**
- 79 Collegiate Graduate Programs**
  - 79 Master of Education (M.Ed.)
  - 80 Master of Special Education (M.Sp.Ed.)
- 80 Graduate School**
  - 80 Doctor of Education (Ed.D.)
  - 80 Master of Arts (M.A.)
- 80 Departments**
  - 80 Communication Sciences and Disorders
  - 80 Education
    - 81 Health, Physical Education, and Recreation
    - 81 Psychology
    - 81 Social Work
- 81 Teacher Licensure Requirements**
- 82 Degree and Licensure Programs**
  - 82 Athletic Training B.A.Sc.
  - 83 Coaching Minor
  - 84 Communication Sciences and Disorders B.A.Sc.
  - 85 Deaf Studies Minor
  - 85 Elementary and Middle School Education B.A.Sc.
  - 87 Ojibwe Elementary/Middle School Education B.A.Sc.
  - 89 Exercise Science B.A.Sc.
- 91 Secondary and K-12 Teacher Education**
  - 92 Health Education B.A.Sc.
  - 94 Health Education Minor
  - 94 Physical Education B.A.Sc.
  - 96 Psychology B.A.Sc.
  - 98 Psychology Minor
  - 98 Recreation-Outdoor Education B.A.Sc.
  - 99 Recreation-Outdoor Education Minor
  - 100 Teaching Communication Arts and Literature B.A.A.
  - 101 Teaching Earth and Space Science B.A.Sc.
  - 102 Teaching French B.A.A.
  - 104 Teaching German B.A.A.
  - 105 Teaching Life Science B.A.Sc.
  - 107 Teaching Mathematics B.A.Sc.
  - 108 Teaching Physical Science B.A.Sc.
  - 109 Teaching Social Studies B.A.A.
  - 112 Teaching Spanish B.A.A.
- 113 Special Education Licensure Programs**
  - 114 Special Education Minor
  - 114 Unified Early Childhood Studies B.A.Sc.
  - 115

# College of Education and Human Service Professions

**Dean:** Paul N. Deputy  
125 Bohannon Hall, 218-726-6537

**Associate Dean:** Bruce Munson  
125 Bohannon Hall, 218-726-6324

**Associate Dean:** Thomas Peacock  
125 Bohannon Hall, 218-726-7665

## Mission

The mission of the College of Education and Human Service Professions (CEHSP) is to prepare students for careers in the education and human service fields. To achieve this, the college dedicates itself to the goal of excellence in learning, teaching, research, advising, and service. It strives to engage and empower students, seeking to develop their potential, prepare them to interact with diverse communities at home and around the world, and add depth to their educational experience. The college's motto, "to serve all families and develop human potential" keeps this mission before faculty and students alike.

The office of the dean is responsible for programmatic leadership, curricula, and recommending graduates for licensure.



*The College of Education and Human Service Professions is dedicated to preparing highly qualified leaders who will serve ALL families and develop human potential.*

Five departments work cooperatively to achieve the purposes of the college in teaching, research, and service:

- Education
- Psychology
- Health, Physical Education, and Recreation
- Communication Sciences and Disorders
- Social Work

The college's mission is further served by contributions from the following offices and centers:

- Eni-gikendaasoyang—Center for Indigenous Knowledge Revitalization
- American Indian Learning Resource Center (AILRC)
- Center for Environmental Education (CEED)
- Office of Civic Engagement
- Field Experiences (Education)
- Advising & Academic Services (Student Affairs)
- UMD Children's Place

## Teacher Licensure Programs

The teacher licensure programs have been granted continuing accreditation by the National Council for Accreditation of Teacher Education and the Minnesota Board of Teaching.

## Admission to Upper Division Programs

Students are admitted to CEHSP with pre-major or undecided status. Admission to a major is contingent on submission of evidence that the student has completed prerequisite courses, earned a satisfactory GPA, taken appropriate tests, made plans for the remainder of the academic program, and in some majors, participated in a personal interview to review these matters. The individual departments set standards for admission, and students should consult their adviser or the department office for information. Once admitted, students remain in the program as long as program standards are met and minimum GPA requirements for graduation are maintained. Students who fall below the minimum are monitored by their advisers.

## Freshman Orientation Program

New high school students entering CEHSP must participate in SSP 1000—Introduction to College Learning, during their first semester. The goal of this course is to improve the quality of the student's lower division experience and to help new students with their transition into the university community.

## Academic Standing

### Good Academic Standing

Students must have a 2.00 minimum cumulative University of Minnesota GPA to be in good academic standing in CEHSP. Credits taken outside the University are not calculated into the University GPA.

### Probation

Students with a cumulative University of Minnesota GPA lower than the 2.00 required for good academic standing are placed on academic probation. Students on academic probation have one semester of attendance to attain the cumulative GPA required to avoid dismissal. Students should consider a lighter load or repeating courses with D or F grades to improve their GPAs. Probationary students are required to meet with the director of Advising & Academic Services to review their progress and discuss strategies for success.

### Dismissal

Students with a first-term GPA below 1.00 are subject to immediate dismissal. Students may petition to be readmitted on a probationary basis. If the petition is granted, students will be placed under a contractual agreement with CEHSP Advising & Academic Services. All other students who fail to attain the required minimum cumulative University of Minnesota GPA after the semester of initial probation are subject to dismissal. Extenuating circumstances may be taken into consideration at the request of the student before dismissal. Dismissed students are notified immediately.

### Readmission After Dismissal

Readmission is not granted before one academic year has passed from the date of dismissal. Readmission is granted when the required minimum cumulative University of Minnesota GPA for good academic standing has been attained through UMD Continuing Education. Students who have been academically dismissed must receive permission from the college office in order to register through Continuing Education. Students may not make up grade point deficiencies outside of the University of Minnesota. Petition information is available from CEHSP Advising & Academic Services, 120 Bohannon Hall.

### Appeal and Petition

A student seeking exception to an academic requirement of the college may petition for an exemption. After consulting with his or her adviser and others involved, the student should submit a petition to the college's Advising & Academic Services, 120 Bohannon Hall.

### Grievance Procedure

Students with grievances concerning admission, maintenance, or exit processes may obtain a copy of the grievance procedure from the program coordinator for their major.

## College Honors

At UMD, a maximum of 15 percent of the graduating class can graduate with college honors. In CEHSP, the top 3 percent of the graduating class is designated *summa cum laude*, the next 5 percent *magna cum laude*, and the next 7 percent *cum laude*. The minimum overall GPAs required for the three honors categories are established on the basis of the record of the previous year's graduating class and are available from Advising & Academic Services Office. Both the overall GPA and cumulative University GPA must meet the required minimum in order to qualify for each honors classification.

### Dean's List for Academic Excellence

Each semester, CEHSP students are recognized for high academic achievement by being placed on the CEHSP Dean's List for Academic Excellence. A memo is placed on qualifying students' transcripts indicating this achievement. To be eligible for the Dean's List the student must have earned a 3.50 semester GPA, completed all attempted credits in that semester, completed a minimum of 12 graded semester credits, and have no grades of I, F, or N for the semester.

## CEHSP Advising & Academic Services

120 Bohannon Hall, 218-726-7156

E-mail: [cehspsa@d.umn.edu](mailto:cehspsa@d.umn.edu)

Web site: [www.d.umn.edu/cehsp/studentaffairs](http://www.d.umn.edu/cehsp/studentaffairs)

The CEHSP Advising & Academic Services office (Student Affairs) provides advising for students throughout their college careers, as well as academic services such as help with forms, petitions, Minnesota state teacher licensure, post-baccalaureate contracts, re-enrollment, APAS exceptions, grievances, and help with questions about policies and procedures. This office also provides workshops and other student success resources, generates the Dean's list, works with students on academic probation, and helps students who are exploring, declaring, and/or changing majors.

## Degrees Offered

### Bachelor of Applied Arts (B.A.A.)

This degree program prepares students to teach in selected secondary education fields.

#### Majors

Teaching communication arts and literature

Teaching French

Teaching German

Teaching social studies (with one of the following concentrations)

Anthropology

Economics

Geography

History

Political science

Psychology

Sociology

Women's studies

Teaching Spanish

Majors in art education (K–12 for the bachelor of fine arts degree) and in music education (K–12 for the bachelor of music degree) are available through the School of Fine Arts.

## Bachelor of Applied Science (B.A.Sc.)

This degree program prepares students to work with young children or teach in elementary and selected secondary education fields and offers the nonteaching fields of athletic training, communication sciences and disorders, community health education, exercise science, psychology, and recreation.

### Majors

Athletic training

Communication sciences and disorders

Elementary/middle school education (with one of the following specializations)

Teaching communication arts and literature

Teaching mathematics

Teaching science

Teaching social studies

Exercise science (with one of the following concentrations)

Health and fitness

Exercise and sport science

Special area of interest

Health education (with one of the following concentrations)

Community health

School health

Ojibwe elementary/middle school education

Physical education

Optional outdoor education emphasis

Psychology

Recreation—outdoor education

Teaching earth and space sciences

Optional environmental education concentration

Teaching life science

Optional environmental education concentration

Teaching mathematics

Teaching physical sciences (with one of the following concentrations)

Chemistry

Physics

Unified early childhood studies

### Minors

Coaching

Deaf studies

Health education

Psychology

Recreation—outdoor education

Special education

For other minors available to students receiving bachelor of applied arts (B.A.A.) or bachelor of applied science (B.A.Sc.) degrees, see the Labovitz School of Business and Economics, the School of Fine Arts, the College of Liberal Arts, and the Swenson College of Science and Engineering sections of this catalog.

## Baccalaureate Degree Requirements

B.A.A. and B.A.Sc. requirements include the following:

- 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.
- Completion of all courses specified for one or more majors with a minimum GPA (including transfer work) in each major as required by the program.
- A minimum University and overall (including transfer credits) 2.00 GPA in any required or elected minor.
- A minimum of University of Minnesota and overall (including transfer credits) GPA as required by the program.
- Compliance with general regulations governing granting of degrees. Students are required to review their degree status in 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., B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.

## Collegiate Graduate Programs

125 Bohannon Hall, 218-726-7442

Collegiate graduate programs require a minimum of 30 semester credits at the 5xxx level or above or as approved courses at the 4xxx level. Credits at the 5xxx level or above must not have not been used to fulfill an undergraduate requirement; those at the 4xxx level must be approved for graduate credit through the CEHSP Graduate Programs Council. All courses applied toward a graduate degree must have been taken after the awarding of the baccalaureate degree and must have been registered for graduate credit. At least 20 credits must be completed at UMD, including core courses as specified by the program, and must be earned within five years of admission to the program. All credits must be completed within seven years of admission.

### Master of Education (M.Ed.)

The M.Ed. program provides a forum for critical reflection on teaching and learning through theoretical investigation, research, and application of theory to practice in educational settings. The curriculum is based on the role that educational scholars and professionals play as teachers, leaders, and change agents in formal, non-formal, and community-based settings. The program defines educators broadly, and its students reflect a range of professional roles in education from early childhood, K–12, and postsecondary classroom teachers, to community educators, educational administrators, and human service professionals.

Program outcomes are achieved by enabling graduates to develop and/or increase their skills in:

- Working as critically reflective practitioners
- Investigating and applying educational theory to practice
- Evaluating and conducting educational research
- Developing cultural competence
- Building and maintaining communities of learners as professionals
- Developing leadership in educational reform and social justice

This two-year program uses the cohort model and combines traditional classroom experience and distance education delivery systems, allowing professionals to remain employed full-time while completing the advanced degree. M.Ed. courses establish a knowledge base that incorporates the college's philosophy of the full integration of reflection, empowerment, diversity, and collaboration. The M.Ed. consists of core courses, electives, and a final project.

The M.Ed. in environmental education is an area of the M.Ed. program designed for college graduates who plan to work as environmental educators in such diverse settings as public and private schools, institutions of higher education, nature centers, outdoor education programs, parks and recreation programs, and independent environmental organizations. Program requirements include environmental education coursework in teaching methodology in formal and nonformal settings; program development, management, and evaluation; theory; research; elective courses supporting specific areas of interest; and a final research or field project. Students may complete the degree in two years if they follow the recommended program plan.

### Master of Special Education (M.Sp.Ed.)

The master of special education is designed for licensed special education teachers and offers advanced training in behavior intervention planning, administration and supervision, research, and program evaluation. Postbaccalaureate licensure candidates with core special education course work completed are also eligible to apply for admission.

The program operates as a cohort of graduate candidates who take hybrid courses (courses offered in a combination of face-to-face and distance education formats) together over three summers and complete data-based research or field projects as a terminal activity for graduation. Requirements include credits in special education, research methods and design, and research and investigation.

## Graduate School

### Doctor of Education (Ed.D.)

The doctor of education with a major in teaching and learning is an applied degree for the professional development of P-12, community college, and university faculty and administrators; professionals in other human service professions such as coaching, athletic training, criminal justice, social work, extension, community agency administration, and university

student personnel; as well as business professionals involved in education and training activities. The mission of the program is to produce scholarly practitioners.

### Master of Arts (M.A.)

The master of arts in communication sciences and disorders prepares students for professional licensure or certification in speech-language pathology, audiology, or education of the hearing impaired.

A master of social work (M.S.W.) is also available. For more information, see the [Graduate School section](#) of this catalog.

## Departments

### Communication Sciences and Disorders

**Professor:** Mark I. Mizuko (department head); **Associate Professors:** Kent Brorson, Faith C. Loven, Cindy S. Spillers; **Assistant Professor:** Dana Collins; **Instructors:** Lynette Carlson (clinic coordinator), Shannon Godsey, Jolene Hyppa Martin, Lynda John

**E-mail:** [csd@d.umn.edu](mailto:csd@d.umn.edu)

**Web site:** [www.d.umn.edu/csd](http://www.d.umn.edu/csd)

The Department of Communication Sciences and Disorders (CSD) prepares undergraduates and graduate professional personnel in the delivery of clinical services to individuals requiring supportive patient care. The department utilizes a clinical training model that provides experiences for attaining the knowledge and skills necessary for entry-level, independent practice of speech-language pathology. CSD gives particular attention to the clinical health care needs of the region in its research, outreach, and service programs in communication disorders.

### Education

**Professors:** Randy Hyman, David A. McCarthy, Linda Miller-Cleary (English), Bruce H. Munson Thomas Peacock; **Associate Professors:** Lynn Brice, Francis A. Guldbrandsen, Nedra A. Hazareesingh, Mary Hermes, Mary Ann Marchel, Molly Minkinen, Helen Mongan-Rallis, Terrie M. Shannon, Jean Stevenson, Joyce Strand, Kay Wohlhuter, Jiyoung Yoon; **Assistant Professors:** Susan Damme, Daniel Glisczinski, Trudie Hughes, Joan Kwako, Chang'aa Mweti, Geraldine Nierengarten, Jacqueline Onchwari, Julie Williams; **Instructors:** Elizabeth Albert-Peacock, Glenn Corbett, Jane Dietrich, Kim Riordan, Pamela Roth, Elizabeth Ruark, Jill Torres

**E-mail:** [educ@d.umn.edu](mailto:educ@d.umn.edu)

**Web site:** [www.d.umn.edu/educ](http://www.d.umn.edu/educ)

The department offers programs for the baccalaureate degree or licensure within the general areas of unified early childhood studies; elementary, middle school, secondary, and K-12 education; and special education. See individual program descriptions for specific admission, retention, and exit requirements.

The mission of the Department of Education is to prepare learner-sensitive educators with the knowledge, skills, and dispositions necessary to contribute to a better society. The learner-sensitive educator conceptual framework is the shared foundation for all education programs at UMD. The

framework is built on a foundation of professional standards and emphasizes five themes: social justice, collaboration, reflection, empowerment, and technology.

In addition to preparing teachers for licensure in P–12 settings, the department provides a wide range of in-service and graduate programs for educators in school and non-school settings. Department faculty are also engaged in a variety of research and development activities related to teaching and learning.

## Health, Physical Education, and Recreation

**Associate Professors:** Kenneth Gilbertson, John R. Keener, Georgia L. Keeney, Morris Levy, Duane Millslagle, Mark E. Nierengarten (department head), Ladona Tornabene; **Assistant Professors:** Jane Carlson, Julie Ernst, Char Harkins, Amy Versnik-Nowak; **Instructors:** Thomas Beery, Elizabeth Fleissner, Kenneth Harkins, James Knapp, Patricia Wendinger

**E-mail:** [hper@d.umn.edu](mailto:hper@d.umn.edu)

**Web site:** [www.d.umn.edu/hper](http://www.d.umn.edu/hper)

The mission of the Department of Health, Physical Education, and Recreation is to promote the health and physical development of people throughout life by providing education and professional preparation for undergraduate students in the areas of athletic training, exercise science, health education, physical education, recreation, and coaching.

The department offers degrees in athletic training, exercise science, health education, physical education, and recreation–outdoor education. Within these programs are a variety of majors, minors, certifications, and concentrations that give students the knowledge, skill, and attitude to make a valuable contribution in their specific professions. Programs, majors, and certifications are described in alphabetical order in this section of the catalog under the headings of Coaching Minor, Athletic Training (B.A.Sc.), Exercise Science (B.A.Sc.), Health Education (B.A.Sc., School and Community Options), Physical Education (B.A.S.), and Recreation (B.A.S.). Students should check the admission and graduation requirements for each individual program.

## Psychology

**Professors:** Aydin Durgunoglu (department head), Randall A. Gordon, Bud A. McClure, Kristelle Miller, Uwe H. Stuecher; **Associate Professors:** Helen M. Doane, Eugene E. Grossman, Robert L. Lloyd, Alexandra Luong, Fay E. Maas, Sandra J. Woolum; **Assistant Professors:** Katherine Apostal, Kathy Dowell, Lara LaCaille, Rick LaCaille, Karen Marsh, Paula Pedersen, Julie Slowiak, John Taylor; **Instructors:** Brenda Butterfield, Christine Dusek, Carol Kivi

**E-mail:** [rjohnso6@d.umn.edu](mailto:rjohnso6@d.umn.edu)

**Web site:** <http://www.d.umn.edu/psy>

The Department of Psychology offers the bachelor of applied science (B.A.Sc.) in psychology. Taking a student-centered approach, the department is committed to excellence in teaching, research, and service. It offers students a firm grounding in the field of psychology and encourages them to embrace diverse theoretical perspectives and ideas, develop skill in independent inquiry, and constructively and ethically apply psychological principles. Its goals are to prepare students for applied careers in human services and graduate education, while advancing their personal growth and life-

long learning. Students learn to contribute to the advancement of psychology through research and other scholarly activities, and through fellowship in student psychology organizations. We support the development of reflective and competent research-practitioners versed in using modern technologies, with an active commitment to the liberal education goals of the University.

## Social Work

See the **Graduate School section** of this catalog.

**Professors:** Priscilla Day, Dennis Falk, Melanie Shepard;

**Associate Professors:** Lynn Bye, Mike Raschick; **Assistant Professors:** Evie Campbell, Johanna Garrison, Janet Haynes, Anne Tellet; **Instructors:** Kathleen Heltzer

**E-mail:** [sw@d.umn.edu](mailto:sw@d.umn.edu)

**Web site:** [www.d.umn.edu/sw](http://www.d.umn.edu/sw)

The mission of the Department of Social Work is to promote the well-being of all individuals, families, groups, and communities; and to advance social justice through teaching, research, and service. The department provides student-centered graduate social work education to prepare advanced practitioners for northern Minnesota and beyond. Priorities of the department include preparing culturally competent, advanced generalist social workers, emphasizing services with American Indians and their communities, services for children and families, and social work education for practice in rural settings.

## Teacher Licensure Requirements

The teacher licensure requirements are subject to change without notice to accommodate the requirements of licensure and accrediting agencies. These changes may be applied to current students.

Requirements for a teaching license include:

- A baccalaureate degree
- Completion of coursework that meets Minnesota Rules for Teacher Licensing, either with a UMD degree (B.A.A., B.A.Sc., B.F.A. in art education—K–12, or B.M. in music education—K–12) or with status on a postbaccalaureate contract
- Passing scores on the Pre-Professional Skills Tests (PPST), the Principles of Learning and Teaching Test, and all subject matter content tests required by the Minnesota Board of Teaching

If these requirements are met, the college recommends that an appropriate license be issued. The following approved programs are available:

Communication arts and literature (5–8, 9–12)

Early childhood education (birth–grade 3)

Early childhood special education (birth–age 6 yrs, 11 mos)

Elementary education (K–6) plus communication arts/literature (5–8 specialty)

Elementary education (K–6) plus mathematics (5–8 specialty)

Elementary education (K–6) plus science (5–8 specialty)

Elementary education (K–6) plus social studies (5–8 specialty)

Elementary education (K–6) plus world language and cultures—Ojibwe (K–8 specialty)

Health education (5–12)

Instrumental and classroom music (K–12)

Mathematics (5–8, 9–12)

Physical education (K–12)

Physics (9–12)

Science (5–8)/chemistry (9–12)

Science (5–8)/earth science (9–12)

Science (5–8)/life science (9–12)

Science (5–8)/physics (9–12)

Social studies (5–8, 9–12)

Special education early childhood (birth–age 6)

Special education emotional behavioral disorders or learning disabilities (K–12)

Visual arts (K–12)

Vocal and classroom music (K–12)

World languages and cultures—French (K–12)

World languages and cultures—German (K–12)

World languages and cultures—Spanish (K–12)

## Global Student Teaching

CEHSP offers prospective teachers the opportunity to complete student teaching requirements in regions around the world. Interested students must submit the Global Student Teaching application along with the UMD student teaching application. Details are available on the Department of Education Web site at [www.d.umn.edu/educ](http://www.d.umn.edu/educ).

## Postbaccalaureate Contracts

CEHSP has a Postbaccalaureate Student Contract process for individuals who have completed a baccalaureate degree at UMD or another institution and who wish to obtain licensure to teach in Minnesota. This process also can be used by individuals who hold a teaching license in one area and wish to add a second license, and those who wish to upgrade a teaching minor to a teaching major.

Students can obtain information about this program from the Advising & Academic Services office. Applicants need to provide transcripts for their baccalaureate degrees. Once CEHSP receives a student's transcript(s), it carries out a formal assessment of their coursework and designs a program of studies that permits the applicant to meet the requirements for Minnesota teacher licensure in the desired area of teaching.

Postbaccalaureate contract students must apply for admission or readmission to UMD and must meet all admission requirements for the appropriate teacher licensure program. Upon completion of the requirements identified on the postbaccalaureate contract, students are recommended for Minnesota licensure.

## License Application

Students apply online for licensure with the Minnesota Department of Education. Verification forms are submitted for signatures to CEHSP Advising & Academic Services, 120 Bohannon Hall (218-726-7156) or by e-mail to [cehsp@ed.umn.edu](mailto:cehsp@ed.umn.edu). Applicants must submit a completed application, required fees, evidence of passing scores on all tests required

by the Board of Teaching, results of a Federal Bureau of Investigation (FBI) background check, finger printing, and official transcripts before the college licensure officer can recommend licensure and transmit a recommendation to the Minnesota Teacher Personnel Licensing Office.

For more information, see program descriptions for the individual teaching majors and special licensure fields. Secondary and K–12 teaching majors should also consult the requirements listed in the [Secondary and K-12 Teacher Education section](#).

# Degree and Licensure Programs

## Athletic Training B.A.Sc.

Health, Physical Education and Recreation

Required credits to graduate with this degree: 120.

Required credits within the major: 101 to 102.

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 in the HPER Department Office, 110 Sport and Health Center.

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.

## Admission Requirements

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.

Students apply spring semester of their freshman year.

Materials must be submitted on or before April 1.

- Completed program application form.
- ESAT 2610 with a grade of B- or better; HLTH 2030 with a grade of C- or better.

- Official transcripts of any college courses.
- Proof of current CPR certification from the Professional Rescuer series.
- Two letters of recommendation: a) academic qualities b) clinical aptitude.
- Copies of physical examination and vaccination verifications.
- A signed copy of the program's technical standards.
- Observation student evaluation(s) *submitted to the program director by the evaluation ATC/ACI*.
- One page paper on why athletic training is right for them, and what is their perception of the profession of athletic training.

Once required materials are submitted, the candidate is eligible for a formal interview. Candidates will be notified of their admission status via letter.

For information about UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Freshman Year

BIOL 1011—General Biology I, LE CAT4 (5 cr)

ESAT 2610—Introduction to Athletic Training (3 cr)

HLTH 1650—CPR/AED for the Professional Rescuer (1 cr)

PSY 1003—General Psychology, LE CAT6 (4 cr)

HLTH 2030—Applied Human Anatomy (4 cr)

or BIOL 2769—Human Anatomy (4 cr)

MATH 1160—Finite Mathematics and Introduction to Calculus, LE CAT2 (5 cr)

or MATH 1250—Precalculus Analysis, LE CAT2 (4 cr)

## Program Requirements

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

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits 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).
- 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.
- 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 the didactic and clinical 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. It includes two, seven-week rotations per semester (12 rotations total). 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 cr)

ESAT 2697—Clinical Experience in Athletic Training I (2 cr)

ESAT 2698—Clinical Experience in Athletic Training II (2 cr)

ESAT 3600—Fundamentals of Athletic Training Evaluation (4 cr)

ESAT 3630—Athletic Injury Evaluation I (3 cr)

ESAT 3640—Therapeutic Modalities (3 cr)

HLTH 2040—Principles of Human Physiology (4 cr)

PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)

CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)

or CHEM 1151—General Chemistry I, LE CAT4 (5 cr)

### Junior Year

ESAT 3300—Human Biomechanics (4 cr)

ESAT 3400—Exercise Physiology (4 cr)

ESAT 3410—Performance Nutrition and Weight Management (4 cr)

ESAT 3430—Principles of Strength and Conditioning Programs (4 cr)

ESAT 3632—Athletic Injury Evaluation II (3 cr)

ESAT 3642—Therapeutic Exercise (3 cr)

ESAT 3697—Clinical Experiences in Athletic Training III (2 cr)

ESAT 3698—Clinical Experiences in Athletic Training IV (2 cr)

ESAT 4001—Pharmacology in Athletic Training (2 cr)

### Senior Year

ESAT 3200—Motor Learning and Development (5 cr)

ESAT 4600—Senior Seminar Athletic Training (3 cr)

ESAT 4646—Medical Aspects of Athletic Training (3 cr)

ESAT 4650—Administrative Aspects of Athletic Training (3 cr)

ESAT 4697—Clinical Experiences in Athletic Training V (2 cr)

ESAT 4698—Clinical Experiences in Athletic Training VI (2 cr)

ESAT 4700—Statistics and Research Methods in Exercise Science (4 cr)

### Suggested Electives

*Take 0–10 credit(s) from the following:*

BIOL 1012—General Biology II (5 cr)

CHEM 1114—Introduction to General, Organic, and Biological Chemistry II (5 cr)

CHEM 1152—General Chemistry II (5 cr)

ESAT 3210—Exercise Adherence (3 cr)

ESAT 3420—Exercise Testing and Prescription (4 cr)

HLTH 1104—Health Science Terminology (1–3 cr)

PHYS 1002—Introduction to Physics II (5 cr)

## Coaching Minor

### Health, Physical Education, and Recreation

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.

## Minor Requirements

### Required Courses

- CC 3117—Functional Anatomy and Sport Injury Management (3 cr)
- CC 3150—Coaching Methods (3 cr)
- CC 3160—Psychological Aspects of Coaching and Athletic Performance (3 cr)
- CC 3161—Administrative Aspects of Coaching (3 cr)
- CC 3997—Coaching Practicum (2 cr)
- ESAT 2400—Applied Exercise Science (3 cr)

### Electives

Take exactly 4 credit(s) from the following:

- CC 3170—Coaching and Officiating Football (2 cr)
- CC 3171—Coaching and Officiating Basketball (2 cr)
- CC 3172—Coaching and Officiating Volleyball (2 cr)
- CC 3173—Coaching and Officiating Baseball (2 cr)
- CC 3174—Coaching and Officiating Soccer (2 cr)
- CC 3175—Coaching and Officiating Ice Hockey (2 cr)
- CC 3178—Coaching and Officiating Track and Field (2 cr)
- CC 3179—Coaching and Officiating Softball (2 cr)

## Communication Sciences and Disorders B.A.Sc.

### Communication Sciences and Disorders

Required credits to graduate with this degree: 120.

Required credits within the major: 65 to 69.

The B.A.Sc. in communication sciences and disorders (CSD) 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.

### Admission Requirements

Students must complete 54 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.80 for students already admitted to the degree-granting college.
- 2.80 for students transferring from another University of Minnesota college.
- 2.80 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

## 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.*

SSP 1000—Introduction to College Learning (1–2 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 cr)

CSD 2230—Human Communication Disorders, LECD CAT08 (3 cr)

CSD 3103—Anatomy of Speech and Hearing Mechanisms (3 cr)

CSD 3131—Language Development (4 cr)

CSD 3150—Fundamentals and Clinical Applications of Speech Science (3 cr)

CSD 3160—Fundamentals of Hearing Science (3 cr)

CSD 3200—Articulation and Phonological Disorders (3 cr)  
 CSD 3232—Language Disorders (3 cr)  
 CSD 3241—Foundations of Treatment in Communication Disorders (3 cr)  
 CSD 4010—Portfolio Development (1 cr)  
 CSD 4197—Clinical Practicum in Communication Disorders (3 cr)  
 CSD 4200—Introduction to Fluency Disorders (3 cr)  
 CSD 4400—Hearing Disorders and Evaluation (3 cr)  
 CSD 4500—Voice Disorders (3 cr)  
 CSD 5400—Rehabilitative Procedures for the Hard of Hearing (3 cr)

### Courses From Other Programs

PSY 1003—General Psychology, LE CAT6 (4 cr)  
 PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)  
 BIOL 1011—General Biology I, LE CAT4 (5 cr)  
*or* BIOL 1001—Biology and Society, LE CAT4 (3 cr)  
 COMM 1112—Public Speaking, LE CAT3 (3 cr)  
*or* COMM 1222—Interpersonal Communication, LECD CAT03 (3 cr)  
 PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)  
*or* PHYS 1011—Ideas in Physics, LE CAT5 (3 cr)  
 PSY 3020—Statistical Methods (4 cr)  
*or* STAT 1411—Introduction to Statistics, LE CAT2 (3 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.

## Deaf Studies Minor

### Education

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.

### Minor Requirements

#### Required Courses

ASL 2001—Beginning American Sign Language I, LECD CAT03 (3 cr)  
 ASL 2002—Beginning American Sign Language II, LECD CAT03 (3 cr)  
 ASL 3003—Intermediate American Sign Language I (3 cr)  
 ASL 3004—Intermediate American Sign Language II (3 cr)  
 ASL 4005—Advanced American Sign Language (3 cr)  
 ASL 4100—Linguistics of American Sign Language (3 cr)  
 ASL 4110—Deaf Culture (3 cr)  
 ASL 4298—American Sign Language Skill Building Workshop (1 cr)

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

### Education

Required credits to graduate with this degree: 130 to 140.  
 Required credits within the major: 117 to 131.  
 This program is 9 terms (4½ years) long.

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.

### Admission Requirements

Students must complete 35 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.70 for students already admitted to the degree-granting college.
- 2.70 for students transferring from another University of Minnesota college.
- 2.70 for students 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; PPST 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 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 (3 cr)

EDUC 1000—Human Development (3 cr)

EDUC 1100—Human Diversity, LECD CAT08 (3 cr)

EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)

ELED 1010—Introduction to Elementary Education (3 cr)

MATH 1141—Mathematics for Elementary Education (4 cr)

MU 1601—Music Fundamentals (1 cr)

**Literature**

*Take exactly 1 course(s) from the following:*

ENGL 1001—Great American Authors, LE CAT9 (3 cr)

ENGL 1101—Literature Appreciation, LE CAT9 (3 cr)

ENGL 1575—20th-Century Literature, LE CAT9 (4 cr)

ENGL 1582—Introduction to World Literatures, LEIP CAT09 (3 cr)

ENGL 1585—Australian and New Zealand Literature and Culture, LEIP CAT09 (4 cr)

ENGL 1907—Introduction to Literature, LE CAT9 (3 cr)

AMIN 1106—American Indian Prose, Poetry, and Oratory, LE CAT9 (3 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

**Program Requirements**

Requirements for the B.A.Sc. in elementary and middle school 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).
- 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.
- 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 (63 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—Art in Elementary Education (2 cr)

ECH 3006—Early School Years (2 cr)

EDUC 3412—The Computer in Education (1–4 cr)

EDSE 4120—Philosophy and Organization of the Middle School (2 cr)

HLTH 3161—School Health Programs: Early Childhood through Middle School (2 cr)

MU 3601—Elementary School Music Teaching (2 cr)

PEP 3126—Elementary School Physical Education (2 cr)

**Block I (17 cr)**

*Take all of the following in the same term:*

ELED 3113—Learning Environments and Diverse Learning Communities (3 cr)

ELED 3325—Language and Literacy (4 cr)

ELED 3331—Children's Literature and Integrated Creative Arts (4 cr)

ELED 3355—Critical Thinking: Elementary Mathematics (4 cr)

ELED 4400—Professional Development Seminar for Elementary Education Majors (1 cr)

SPED 3310—Introduction to Special Education for Elementary Education (1 cr)

**Block II (17 cr)**

*Take all of the following in the same term:*

ELED 3381—Teaching American Indian Students in the Elementary Classroom (2 cr)

ELED 4344—Teaching Science and Environmental Education (4 cr)

ELED 4345—Instructional Strategies, Assessment, and Management (3 cr)

ELED 4366—Teaching Social Studies and Environmental Education (4 cr)

SPED 4310—Adapting for Diverse Learners in General Education Settings (4 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 cr)

ELED 4600—Student Teaching (6–12 cr)

**Program Sub-plans**

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

**Teaching Communication Arts/Literature Sub-plan**

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

**Specialization Courses**

EDSE 4212—Literature for Adolescents (3 cr)

ENGL 1582—Introduction to World Literatures, LEIP CAT09 (3 cr)

ENGL 3563—American Literature I (4 cr)

ENGL 3564—American Literature II (4 cr)

ENGL 5902—Teaching Language, Cognition, and Writing (4 cr)

LING 1811—Introduction to Language, LE CAT2 (3 cr)

ENGL 3501—British Literature I (4 cr)

or ENGL 1535—King Arthur in History, Literature, and Art, LE CAT9 (4 cr)

**Teaching Mathematics Sub-plan**

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 cr)

EDUC 4227—Number Theory for Teachers in Grades 5–8 (3 cr)

EDUC 4228—Teaching Mathematics with Technology (3 cr)

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

MATH 1160—Finite Mathematics and Introduction to Calculus, LE CAT2 (5 cr)

MATH 1250—Precalculus Analysis, LE CAT2 (4 cr)

MATH 1290—Calculus for the Natural Sciences, LE CAT2 (5 cr)

MATH 1296—Calculus I, LE CAT2 (5 cr)

MATH 1297—Calculus II (5 cr)

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

STAT 2411—Statistical Methods, LE CAT2 (3 cr)

STAT 3611—Introduction to Probability and Statistics (4 cr)

**Teaching Science Sub-plan**

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 (5 cr)

and BIOL 1012—General Biology II (5 cr)

or CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)

and CHEM 1114—Introduction to General, Organic, and Biological Chemistry II (5 cr)

or CHEM 1151—General Chemistry I, LE CAT4 (5 cr)

and CHEM 1152—General Chemistry II (5 cr)

or (For this course pair GEOL 2110 must include lab)

GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)

and GEOL 2110—Earth History (3 cr)

or GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)

and GEOL 2120—The Earth's Dynamic Interior (3 cr)

or PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)

and PHYS 1002—Introduction to Physics II (5 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 (3 cr)

BIOL 1001—Biology and Society, LE CAT4 (4 cr)

CHEM 1102—Aspects of Chemistry, LE CAT4 (3–4 cr)

EDUC 4234—Science, Technology, and Society (3 cr)

GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)

PHYS 1011—Ideas in Physics, LE CAT5 (3 cr)

**Teaching Social Studies Sub-plan**

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 (3 cr)

EDUC 4234—Science, Technology, and Society (3 cr)

GEOG 1414—Physical Geography, LE CAT4 (4 cr)

HIST 1304—US History Part I: 1607–1877, LE CAT7 (3 cr)

HIST 1305—US History Part II: 1865–Present, LE CAT7 (3 cr)

POL 1011—American Government and Politics, LE CAT6 (3 cr)

SOC 1101—Introduction to Sociology, LECD CAT06 (4 cr)

GEOG 1202—World Regional Geography, LEIP CAT08 (3 cr)

or GEOG 1304—Human Geography, LECD CAT06 (3 cr)

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

Required credits to graduate with this degree: 135 to 138.

Required credits within the major: 120.

This program is 9 terms (4½ years) long.

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.

## Admission Requirements

Students must complete 51 credits before admission to the program.

Freshmen 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Required Courses Prior to Admission to Program

AMIN 1106—American Indian Prose, Poetry, and Oratory, LE CAT9 (3 cr)

ART 1002—Introduction to Art, LE CAT10 (3 cr)

EDUC 1100—Human Diversity, LECD CAT08 (3 cr)

MATH 1005—College Algebra (5 cr)

MU 1601—Music Fundamentals (1 cr)

COMM 1112—Public Speaking (3 cr) (recommended)

GEOG 1xxx course (3 cr)

HIST 1xxx course in U.S. history or world history (3 cr)

MATH or STAT course in Category 2 of Liberal Education Program (3 cr)

### Ojibwe Language

AMIN 1103—Beginning Ojibwe I, LECD CAT03 (3 cr)

AMIN 1104—Beginning Ojibwe II, LECD CAT03 (3 cr)

AMIN 2203—Intermediate Ojibwe I, LECD CAT03 (3 cr)

AMIN 2204—Intermediate Ojibwe II, LECD CAT03 (3 cr)

## 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.

### Upper Division

OJED 3100—Advanced Ojibwe Grammar and Narrative (4 cr)

OJED 3101—Circle of Life (4 cr)

OJED 3102—Historical and Contemporary Issues in American Indian Education (3 cr)

OJED 3103—Teaching American Indian Students (3 cr)

OJED 3104—College Skills for Pre-service Teachers (2 cr)

OJED 3200—Ojibwe Language for Teachers (4 cr)

OJED 3201—Holistic Instruction and Assessment (3 cr)

MATH 1141—Mathematics for Elementary Education (4 cr)

OJED 3202—Anishinaabe Art, Music and Dance (3 cr)

OJED 3203—Health, Wellness and Movement (3 cr)

### Block I

OJED 4100—Conversational Ojibwe for the Classroom and Community (4 cr)

OJED 4101—Language, Literacy and Literature (4 cr)

OJED 4102—Oral Tradition and Language Acquisition (4 cr)

OJED 4103—Elementary Mathematics Methods (4 cr)

OJED 4104—Professional Development (2 cr)

### Block II

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 cr)

OJED 4201—Understanding Our Environment and Mother Earth (4 cr)

OJED 4202—Minnesota Based Treaties, Sovereignty, and Tribal Government (4 cr)

OJED 4203—The Inclusive Classroom (4 cr)

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

### Block III

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—Student Teaching (12 cr)

OJED 4610—Professional Issues (2 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.

**Exercise Science B.A.Sc.****Health, Physical Education, and Recreation**

Required credits to graduate with this degree: 120.

Required credits within the major: 96 to 97.

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 psycho-sociological 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.

**Admission Requirements**

Students must complete 8 courses before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

**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.*

SSP 1000—Introduction to College Learning (1–2 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 (5 cr)

HLTH 1470—Human Nutrition, LE CAT5 (3 cr)

HLTH 2030—Applied Human Anatomy (4 cr)

HLTH 2040—Principles of Human Physiology (4 cr)

PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)

PSY 1003—General Psychology, LE CAT6 (4 cr)

WRIT 1120—College Writing, LE CAT1 (3 cr)

CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)

or CHEM 1151—General Chemistry I, LE CAT4 (5 cr)

**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.
- 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 cr)
- ESAT 3300—Human Biomechanics (4 cr)
- ESAT 3400—Exercise Physiology (4 cr)
- ESAT 3410—Performance Nutrition and Weight Management (4 cr)
- ESAT 3420—Exercise Testing and Prescription (4 cr)
- ESAT 3440—Clinical Exercise Physiology (5 cr)

### Program Sub-plans

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

#### Exercise and Sport Science Sub-plan

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 cr)
- ESAT 4710—Applied and Experimental Exercise Science (4 cr)

#### Courses From Other Programs

- BIOL 1012—General Biology II (5 cr)
- CHEM 1152—General Chemistry II (5 cr)
- MATH 1296—Calculus I, LE CAT2 (5 cr)
- PHYS 1002—Introduction to Physics II (5 cr)

#### Electives

Take 13 or more credit(s) from the following:

- BIOL 2101—Cell Biology (3 cr)
- BIOL 2201—Genetics (3 cr)
- BIOL 3703—Animal Physiology (3 cr)
- BIOL 4501—General Microbiology (4 cr)
- CHEM 2222—Quantitative Analysis (3 cr)
- CHEM 2223—Quantitative Analysis Laboratory (1 cr)
- CHEM 2541—Organic Chemistry I (3 cr)
- CHEM 2542—Organic Chemistry II (3 cr)
- CHEM 3322—Biochemistry (3 cr)
- CHEM 3324—Biochemistry Laboratory (1 cr)
- ESAT 2420—Resistance and Power Training Techniques (3 cr)
- ESAT 3210—Exercise Adherence (3 cr)

- ESAT 3430—Principles of Strength and Conditioning Programs (4 cr)
- PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)
- PSY 3121—Abnormal Psychology (4 cr)

### Health and Fitness Sub-plan

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—Resistance and Power Training Techniques (3 cr)
- ESAT 3210—Exercise Adherence (3 cr)
- ESAT 3430—Principles of Strength and Conditioning Programs (4 cr)
- ESAT 3432—Exercise Leadership (3 cr)
- ESAT 3450—Management of Fitness Facilities (3 cr)
- ESAT 4996—Internship (3–12 cr)

#### Courses From Other Programs

- HLTH 1100—Health and Wellness Strategies for Life, LE CAT8 (3 cr)
- HLTH 1700—First Responder (3 cr)
- HLTH 3307—Conducting and Managing Worksite Health Promotion Programs (3 cr)
- HPER 3100—Risk Management (2 cr)
- PSY 3020—Statistical Methods (4 cr)
- MATH 1160—Finite Mathematics and Introduction to Calculus, LE CAT2 (5 cr)
- or MATH 1250—Precalculus Analysis, LE CAT2 (4 cr)
- or MATH 1296—Calculus I, LE CAT2 (5 cr)

### Special Area of Interest Sub-plan

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.

# Secondary and K-12 Teacher Education

Students preparing for teaching licensure in Minnesota secondary schools must complete an approved baccalaureate degree program with one or more majors in a teaching area.

## Admission Requirements

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 that are established by the Department of Education and are consistent with Minnesota policies, as well as standards established by the National Council for Accreditation in Teacher Education (NCATE).

To be considered for admission, a student must have:

- a GPA of at least 2.50 overall and in major courses completed at the time of application;
- taken the Pre-Professional Skills Test (PPST); and
- 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. Students may obtain specific program admission requirements and procedures from the UMD Department of Education Web site at [www.d.umn.edu/educ](http://www.d.umn.edu/educ). 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.

Applications, including all supporting documents, are due by 4 p.m. on the sixth Friday of each semester for admission for the following semester. Applications are available from the UMD Department of Education Web site at [www.d.umn.edu/educ](http://www.d.umn.edu/educ).

## Maintenance Standards

To continue as secondary education or K-12 education majors, students must make satisfactory academic progress and demonstrate acceptable professional performance in their field experiences. To be eligible for student teaching, a student must have a GPA of at least 2.50 overall and in the major, and have no grades lower than a C- in required courses for the major.

## Exit Standards

Before being recommended for licensure, students must demonstrate satisfactory performance outcomes required by the program and have acceptable ratings from both the classroom and University supervisors for student teaching performance. Students must pass all tests required by the Minnesota Board of Teaching.

## Baccalaureate Degree Requirements

B.A.A. and B.A.Sc. requirements include the following:

- 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.
- Completion of all courses specified for one or more majors with a minimum GPA (including transfer work) in each major as required by the program.
- A minimum University and overall (including transfer credits) 2.0 GPA in any required or elected minor.
- A minimum of University of Minnesota and overall (including transfer credits) GPA as required by the program.
- Compliance with general regulations governing granting of degrees. Students are required to review their degree status in CEHSP's Advising and 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., B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.

## Personal Liability Insurance

Students must have personal liability insurance while they are working in public school classrooms. This is usually obtained most economically with a student membership in Education Minnesota. Applications are available online at [www.educationminnesota.org](http://www.educationminnesota.org).

## Other Professional Concerns

The forms necessary to apply for licensure upon completion of an approved teaching major program are available in the CEHSP Advising & Academic Services Office.

Information on obtaining teaching positions is available from the Career Services office in the Solon Campus Center.

To be permitted to register for student teaching, students must meet the following requirements:

- Grades of C- or better in all courses in the teaching major(s) and minor(s)
- A 2.50 GPA both overall and in major courses
- Completion of a minimum of 85 percent of teaching major courses

Application deadlines are posted on the UMD Department of Education Web site at [www.d.umn.edu/educ](http://www.d.umn.edu/educ).

Students preparing for secondary school licensure must spend one semester in as a full-time student teacher in middle and/or senior high school under the supervision of a licensed teacher(s). Students preparing for K-12 licensure must complete part of this assignment in an elementary school. To be recommended for licensure, a minimum of 12 credits must be earned student teaching. Student teaching is normally done during the senior year.

## Diversity Immersion Experience Requirement

Candidates must spend a minimum of 40 hours in 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 the completion of this requirement will be included in candidates' professional portfolios.

Students must meet this requirement after they take EDUC 1101\*—Education in Modern Society 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—Independent Study.

Secondary teaching programs lead to State of Minnesota licensure in grades 5–12 in the following majors:

- School health education
- Teaching communication arts/literature
- Teaching earth and space science
  - Optional environmental education concentration
- Teaching life science
  - Optional environmental education concentration
- Teaching mathematics
- Teaching physical science
  - Chemistry
  - Physics\*
- Teaching social studies
  - Anthropology
  - Economics
  - Geography
  - History
  - Political science
  - Psychology
  - Sociology
  - Women's studies

\* *Teaching physics, grades 9–12 only, is available for postbaccalaureate candidates with an undergraduate science degree, or can be completed concurrently with the B.A. or B.S. degree in physics at UMD.*

Kindergarten through grade 12 licensure majors include:

- Art (see [School of Fine Arts section](#))
- Music (see [School of Fine Arts section](#))
- Physical Education
- Teaching French
- Teaching German
- Teaching Spanish

## Health Education B.A.Sc.

Health, Physical Education, and Recreation

Required credits to graduate with this degree: 120.

Required credits within the major: 89 to 107.

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.

## Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students 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 2.00, and must meet with the health education program coordinator before transfer to the major can be approved.

For information about UMD admission requirements, visit the [UMD Admissions Web site](#).

## 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

## Lower Division

HLTH 1104—Health education majors must take 3 cr—course can be taken in 1 cr units, 1 cr each semester for 3 semesters.

HLTH 1100—Health and Wellness Strategies for Life, LE CAT8 (3 cr)

HLTH 1104—Health Science Terminology (1–3 cr)

HLTH 1470—Human Nutrition, LE CAT5 (3 cr)

HLTH 1700—First Responder (3 cr)

HLTH 2030—Applied Human Anatomy (4 cr)

HLTH 2040—Principles of Human Physiology (4 cr)

## Required Courses From Other Programs

EDUC 3412 (register for 4 cr)

BIOL 1001—Biology and Society, LE CAT4 (4 cr)

CHEM 1102—Aspects of Chemistry, LE CAT4 (3–4 cr)

COMM 1112—Public Speaking, LE CAT3 (3 cr)

EDUC 1100—Human Diversity, LECD CAT08 (3 cr)

EDUC 3412—The Computer in Education (1–4 cr)

PSY 1003—General Psychology, LE CAT6 (4 cr)

PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)

SOC 1101—Introduction to Sociology, LECD CAT06 (4 cr)

## 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 cr)
- HLTH 3115—Consumer Health Education (3 cr)
- HLTH 3117—Principles of Sex Education (3 cr)
- HLTH 3202—Drug Education (2 cr)
- HLTH 3301—Foundations of Health Education and Promotion (3 cr)
- HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3 cr)
- HPER 3200—Research and Evaluation in Health Science (3 cr)

### Program Sub-plans

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

#### Community Health Sub-plan

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 (register for 9 cr)
- HLTH 3303—Health Education and Promotion Program (3 cr)
- HLTH 3305—Community Health Methods and Strategies (3 cr)
- HLTH 3500—Environmental Health (3 cr)
- HLTH 4000—Professional Issues for Health Educators (4 cr)
- HLTH 4996—Internship in Health Education (1–15 cr)

#### School Health Education Sub-plan

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, 120 Montague Hall.

**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 3204—Designing Learning Environments and Lessons (3 cr)
- EDSE 3206—Apprenticeship: Secondary School (2 cr)
- EDSE 4214—Teaching Content-Area Reading (2 cr)
- EDSE 4501—Educational Psychology (3 cr)
- EDSE 4525—Assessment for Secondary Education Majors (3 cr)
- EDSE 4600—Student Teaching (6–12 cr)
- EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)
- EDUC 4381—Teaching Indigenous Students (2 cr)
- EDUC 4500—Professional Issues and Ethics (1 cr)
- HLTH 3302—School Health Education Methods and Materials (3 cr)
- SPED 3415—Special Education in the Secondary School (3 cr)

## Health Education Minor

### Health, Physical Education, and Recreation

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.

### Admission Requirements

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### Minor Requirements

#### Lower Division (10 cr)

HLTH 1100—Health and Wellness Strategies for Life, LE CAT8 (3 cr)  
 HLTH 1470—Human Nutrition, LE CAT5 (3 cr)  
 PSY 2021—Developmental Psychology, LECD CAT06 (4 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 cr)  
 HLTH 3303—Health Education and Promotion Program (3 cr)  
 HLTH 3307—Conducting and Managing Worksite Health Promotion Programs (3 cr)  
 HLTH 3400—Facilitating Healthy Lifestyle Change (3 cr)

#### Approved Electives

Other 3xxx courses with permission from program coordinator.

*Take 5–6 credit(s) from the following:*

ESAT 3210—Exercise Adherence (3 cr)  
 ESAT 3432—Exercise Leadership (3 cr)  
 HLTH 3101—Community Health (3 cr)  
 HLTH 3115—Consumer Health Education (3 cr)  
 HLTH 3116—Principles of Epidemiology and Human Disease (3 cr)  
 HLTH 3117—Principles of Sex Education (3 cr)  
 HLTH 3118—Women's Health Issues (3 cr)  
 HLTH 3500—Environmental Health (3 cr)  
 HPER 3100—Risk Management (2 cr)

## Physical Education B.A.Sc.

### Health, Physical Education, and Recreation

Required credits to graduate with this degree: 120.

Required credits within the major: 113 to 119.

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 PEP 3720, 3721, 3730, 3731, 3970, 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 Professional (PEP) courses are open only to majors, allowing faculty to focus on the specific needs and learning objectives of the physical education major.

The program also ensures that graduates can demonstrate proficiency in a wide variety of motor skills inherent within the physical education curriculum. Majors take PEP skills courses that incorporate appropriate methods of teaching the skill. Students who do not have sufficient skill to participate will be required to enroll in a more basic class to address the skill deficiency before enrolling in the PEP course.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.

After completing 90 percent of lower division requirements, students must apply to upper division to the coordinator of Physical Education Teacher Education (PETE) at the end of the seventh week of the semester. Criteria include:

- Completed application.
- Submission of working portfolio.
- Completion of all high school preparations.
- 2.50 cumulative and major GPA.
- Evidence of having taken the PPST.
- A minimum grade of C- in all required courses in the major.
- Evidence of 30 hours of professional service and/or collaboration within the department.

To enroll in professional education courses, PE majors must apply to the Secondary Teacher Education Program (STEP). After admission to STEP and to be eligible to student teach, students must maintain satisfactory academic progress

(grades of C- or better in all required courses in the major), demonstrate acceptable teaching skills in field experiences, and exhibit appropriate professional dispositions.

For information about UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Lower Division (48–50 cr)

CHEM 1102—Aspects of Chemistry, LE CAT4 (3–4 cr)  
 EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)  
 HLTH 1100—Health and Wellness Strategies for Life, LE CAT8 (3 cr)  
 HLTH 1600—Basic First Aid and CPR (2 cr)  
 HLTH 2030—Applied Human Anatomy (4 cr)  
 HLTH 2040—Principles of Human Physiology (4 cr)  
 PE 2240—Lifeguarding Today (1 cr)  
 PE 2244—Water Safety Instructor (2 cr)  
 PEP 1001—Introduction to Physical Education (2 cr)  
 PEP 1010—Teaching Elementary Games and Gymnastics (1 cr)  
 PEP 1020—Teaching Rhythms (1 cr)  
 PEP 1310—Teaching Dance (2 cr)  
 PEP 1400—Teaching Tennis and Golf (1 cr)  
 PEP 1504—Teaching Skating (1 cr)  
 PEP 1600—Teaching Fitness and Weight Training (2 cr)  
 PEP 1700—Teaching Soccer and Softball (1 cr)  
 PEP 1710—Teaching Volleyball and Basketball (1 cr)  
 PEP 2000—Foundations of Physical Education (3 cr)  
 PSY 1003—General Psychology, LE CAT6 (4 cr)  
 WRIT 1120—College Writing, LE CAT1 (3 cr)  
 BIOL 1001—Biology and Society, LE CAT4 (4 cr)  
 or BIOL 1011—General Biology I, LE CAT4 (5 cr)

## 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) 2.00 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.

### Upper Division (68 cr)

EDUC 3412 (register for 4 cr)  
 CC 3117—Functional Anatomy and Sport Injury Management (3 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 ESAT 3200—Motor Learning and Development (5 cr)  
 HLTH 3202—Drug Education (2 cr)  
 PEP 3010—Adapted Physical Education (3 cr)

ESAT 2400—Applied Exercise Science (3 cr)  
 PEP 3700—Student Assessment in Physical Education (3 cr)  
 WRIT 3140—Advanced Writing: Human Services (3 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

EDSE 4501—Educational Psychology (3 cr)  
 HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)  
*Take all of the following in the same term:*  
 PEP 3720—Elementary Physical Education Methods (4 cr)  
 PEP 3721—Apprenticeship: Elementary (2 cr)

### Block II

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 cr)  
 EDSE 4120—Philosophy and Organization of the Middle School (2 cr)  
 EDSE 4214—Teaching Content-Area Reading (2 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 PEP 3970—Supervised Teaching: College (1 cr)  
*Take all of the following in the same term:*  
 PEP 3730—Secondary Physical Education Methods (4 cr)  
 PEP 3731—Apprenticeship: Secondary (2 cr)

### Block III

EDSE 4600 (register for 6 cr)  
 EDSE 4650 (register for 6 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 ELED 4650—Student Teaching in Individual Subjects: K–8 (1–6 cr)

## Program Sub-plans

A sub-plan is not required for this program.

### Outdoor Education Sub-plan

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)

PEP 3507—Teaching Outdoor Skills (2 cr)  
 ENED 4163—Outdoor Education Methods (3 cr)  
 PE 1530—Rock Climbing, PE (1 cr)

PEP 3509—Teaching Canoeing (1 cr)  
PEP 3501—Teaching Cross-Country Skiing (1 cr)

### Electives (3 cr)

Take 3 or more credit(s) from the following:

ENED 3309—Outdoor Leadership (1 cr)  
ENED 3310—Outdoor Leadership Field Experience (2 cr)  
ENED 4410—Ropes Course Management (3 cr)  
PE 1507—Introduction to River Kayaking, PE (1 cr)  
PE 1512—Fishing Skills, PE (1 cr)  
PE 1511—Sea Kayaking (1 cr)

## Psychology B.A.Sc.

### Psychology

Required credits to graduate with this degree: 120.

Required credits within the major: 52.

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 Web site at [www.umd.edu/psy](http://www.umd.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.

### 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 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### 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

Students are required to complete one of the following course groups.

### Psychology B.A.Sc. Sub-plan

Students are encouraged to select at least one personal experience that fosters engagement with psychology: active membership in Psi Chi and 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 (4 cr)
- PSY 2003—Psychology: Discipline and Profession (1 cr)
- PSY 3020—Statistical Methods (4 cr)
- PSY 3021—Experimental Design and Methodology (4 cr)
- PSY 3022—Applied Methods and Measurement (4 cr)
- PSY 3081—History and Systems of Psychology (3 cr)
- and BIOL 1001—Biology and Society, LE CAT4 (4 cr)
- or BIOL 1011—General Biology I, LE CAT4 (5 cr)

#### Core B

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

- PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)
- PSY 3111—Theories of Personality (3 cr)
- PSY 3121—Abnormal Psychology (4 cr)
- PSY 3201—Social Psychology (3 cr)
- PSY 3520—Introduction to Industrial/Organizational Psychology (4 cr)

#### Core C

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

- PSY 3061—Physiological Psychology (4 cr)
- PSY 3611—Learning and Behavior (4 cr)
- PSY 3621—Cognition (4 cr)
- PSY 3691—Sensation and Perception (4 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-requirement(s) from the following:

#### I/O

Take 0–6 credit(s) from the following:

- PSY 3010—Internship Preparation (2 cr)
- PSY 3011—Internship in Psychology (3 cr)
- PSY 3520—Introduction to Industrial/Organizational Psychology (4 cr)
- PSY 3701—Personnel Psychology (3 cr)
- PSY 3707—Organizational Psychology (3 cr)

#### Clinical/Counseling

Take 0–9 credit(s) from the following:

- PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)
- PSY 3098—The Psychological Principles of Stress Management (3 cr)
- PSY 3111—Theories of Personality (3 cr)
- PSY 3121—Abnormal Psychology (4 cr)
- PSY 3122—Child and Adolescent Abnormal Psychology (3 cr)
- PSY 3201—Social Psychology (3 cr)
- PSY 3524—Basic Helping Skills (4 cr)
- PSY 3540—Psychology of Food Abuse (3 cr)
- PSY 4121—Foundations of Clinical Psychology (3 cr)
- PSY 4500—Health Psychology (3 cr)

#### Developmental

Take 0–6 credit(s) from the following:

- PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)
- PSY 2023—Marriages and Families Worldwide, LEIP CAT08 (4 cr)
- PSY 2223—Gender in Society, LECD CAT08 (4 cr)
- PSY 3122—Child and Adolescent Abnormal Psychology (3 cr)
- PSY 3215—Topics in Human Sexuality (3 cr)
- PSY 3371—Child and Adolescent Psychology (3 cr)
- PSY 3381—Adult Development and Aging (3 cr)
- PSY 3631—Cognitive Development: Ways of Knowing (3 cr)
- PSY 3661—Psychology of Language (3 cr)

#### Human Services

Take 0–10 credit(s) from the following:

- PSY 2023—Marriages and Families Worldwide, LEIP CAT08 (4 cr)
- PSY 3010—Internship Preparation (2 cr)
- PSY 3011—Internship in Psychology (3 cr)
- PSY 3098—The Psychological Principles of Stress Management (3 cr)
- PSY 3211—Group Dynamics (3 cr)
- PSY 3524—Basic Helping Skills (4 cr)
- PSY 3601—Psychology of Personal Development (3 cr)

#### Experimental

Take 0–6 credit(s) from the following:

- PSY 3061—Physiological Psychology (4 cr)
- PSY 3231—Psychology of Drug Use (3 cr)
- PSY 3621—Cognition (4 cr)
- PSY 3661—Psychology of Language (3 cr)
- PSY 5130—Evolutionary Psychology (3 cr)
- PSY 5131—Mind-Body Connection (3 cr)
- PSY 5155—Forensic Psychology (3 cr)

## Online Psychology

Students in this program should complete the requirements listed in the online psychology sub-plan.

### Program Sub-plans

A sub-plan is not required for this program.

### Online Psychology Major Sub-plan

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 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.

#### Required Courses for Online Psychology Major

This online major has the same requirements as the regular major with the following exceptions: PSY 2003 is NOT required and the following 3 core courses replace PSY 3021 and PSY 3022.

PSY 4021—Research Methods I (4 cr)

PSY 4022—Research Methods II (4 cr)

PSY 4023—Research Methods III (3 cr)

## Psychology Minor

### Psychology

Required credits in this minor: 26.

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

### Admission Requirements

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.

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

For information about UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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 (4 cr)

PSY 2020—Introduction to Statistics and Research Methods (3 cr)

or SOC 2155—Introduction to Research Methods and Analysis (4 cr)

or ECON 2030—Applied Statistics for Business and Economics (3 cr)

or STAT 2411—Statistical Methods, LE CAT2 (3 cr)

or ESAT 4700—Statistics and Research Methods in Exercise Science (4 cr)

or other comparable courses as approved by department.

#### Group I (3-4 cr)

Choose one course:

PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)

or PSY 3081—History and Systems of Psychology (3 cr)

or PSY 3111—Theories of Personality (3 cr)

or PSY 3121—Abnormal Psychology (4 cr)

or PSY 3201—Social Psychology (3 cr)

#### Group II (4 cr)

Choose one course:

PSY 3061—Physiological Psychology (4 cr)

or PSY 3611—Learning and Behavior (4 cr)

or PSY 3621—Cognition (4 cr)

or PSY 3691—Sensation and Perception (4 cr)

#### Psychology Elective Courses (10-12 cr)

PSY courses 2xxx or higher so total equals 26 credits

PSY 2xxx

PSY 3xxx

PSY 4xxx

## Recreation-Outdoor Education B.A.Sc.

### Health, Physical Education, and Recreation

Required credits to graduate with this degree: 120.

Required credits within the major: 94.

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.

### Admission Requirements

Students must complete 25 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

#### 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.

SSP 1000—Introduction to College Learning (1-2 cr)

#### Lower Division Core (25 cr)

HLTH 3620—Wilderness First Response (3 cr) may be substituted for HLTH 1700.

ENED 1000—Introduction to Outdoor Recreation (4 cr)

HLTH 1700—First Responder (3 cr)  
 PSY 1003—General Psychology, LE CAT6 (4 cr)  
 REC 1203—Outdoor Skills I (2 cr)  
 REC 1204—Outdoor Skills II (2 cr)  
 REC 2300—Recreation Programming (3 cr)  
 BIOL 1011—General Biology I, LE CAT4 (5 cr)  
 or BIOL 1012—General Biology II (5 cr)  
 Take 2 or more credit(s) from the following:  
 PE 1xxx

## 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 cr)  
 ENED 3310—Outdoor Leadership Field Experience (2 cr)  
 ENED 3341—Field Interpretive Techniques I (3 cr)  
 ENED 3342—Field Interpretive Techniques II (3 cr)  
 ENED 4163—Outdoor Education Methods (3 cr)  
 ENED 4315—Operations and Management (4 cr)  
 ENED 4555—Foundations of Environmental Education (3 cr)  
 ENED 4996—Outdoor Education Internship (12 cr)  
 HPER 3100—Risk Management (2 cr)  
 HPER 3200—Research and Evaluation in Health Science (3 cr)  
 PEP 3501—Teaching Cross-Country Skiing (1 cr)  
 PEP 3507—Teaching Outdoor Skills (2 cr)  
 PEP 3509—Teaching Canoeing (1 cr)  
 REC 3327—Large Event Management (3 cr)  
 REC 3330—Outdoor Recreation (3 cr)  
 REC 4320—GIS Management for Recreation Professionals (3 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 cr)  
 GEOG 4451—The Geography of Soils (4 cr)  
 HLTH 2030—Applied Human Anatomy (4 cr)  
 HLTH 2040—Principles of Human Physiology (4 cr)

### Approved Electives—Social Sciences

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

ENED 3331—Organization of Environmental Education Centers (2 cr)  
 ENED 4410—Ropes Course Management (3 cr)  
 ENED 4601—Wilderness Philosophy (2 cr)  
 ENED 5165—Theories and Models in Outdoor Education (2 cr)  
 ENED 5325—Environmental Issues Investigation (3 cr)  
 ENED 5998—Outdoor Education Seminar (1 cr)  
 HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3 cr)  
 PE 2240—Lifeguarding Today (1 cr)  
 PEP 3508—Teaching Rock Climbing (1 cr)  
 PSY 3211—Group Dynamics (3 cr)  
 PSY 3524—Basic Helping Skills (4 cr)  
 REC 4991—Independent Study (1–4 cr)  
 REC 4992—Readings in Recreation (1–4 cr)

## Recreation—Outdoor Education Minor

Health, Physical Education, and Recreation

Required credits in this minor: 24.

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

### Admission Requirements

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### Minor Requirements

#### Lower Division Core (8 cr)

ENED 1000—Introduction to Outdoor Recreation (4 cr)  
 HLTH 1650—CPR/AED for the Professional Rescuer (1 cr)  
 HLTH 1700—First Responder (3 cr)

#### Upper Division Core (16 cr)

ENED 4163—Outdoor Education Methods (3 cr)  
 PEP 3507—Teaching Outdoor Skills (2 cr)

REC 2300—Recreation Programming (3 cr)  
 REC 4997—Recreation Practicum (3 cr)  
*Take 5 or more credit(s) from the following:*  
 REC 3xxx  
 REC 4xxx  
 REC 5xxx

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

English; Education

Required credits to graduate with this degree: 120.

Required credits within the major: 95 to 96.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Lower Division (18 cr)

COMM 1112—Public Speaking, LE CAT3 (3 cr)  
 COMM 1222—Interpersonal Communication, LECD CAT03 (3 cr)  
 COMM 1500—Media and Society, LE CAT8 (3 cr)  
 EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)  
 ENGL 1582—Introduction to World Literatures, LEIP CAT09 (3 cr)  
 LING 1811—Introduction to Language, LE CAT2 (3 cr)

### 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 credits)

*Register EDUC 3412 for 4 cr.*

*Register EDUC 4600 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 3204—Designing Learning Environments and Lessons (3 cr)  
 EDSE 3206—Apprenticeship: Secondary School (2 cr)  
 EDSE 4100—Teaching in a Diverse Society (3 cr)  
 EDSE 4215—Teaching Reading and Literature: Grades 5–12 (5 cr)  
 EDSE 4501—Educational Psychology (3 cr)  
 EDSE 4525—Assessment for Secondary Education Majors (3 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 ENGL 3501—British Literature I (4 cr)  
 ENGL 3563—American Literature I (4 cr)  
 ENGL 3564—American Literature II (4 cr)  
 ENGL 3906—Methods of Literary Study (4 cr)

ENGL 5902—Teaching Language, Cognition, and Writing (4 cr)  
 ENGL 5922—Teaching Literature and Communication (5 cr)  
 HLTH 3202—Drug Education (2 cr)  
 LING 5802—Applied Linguistics (4 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)

Take 3 to 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.

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

### Geological Sciences; Education

Required credits to graduate with this degree: 120 to 143.  
 Required credits within the major: 108.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Required for Admission

EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)

### 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 (3 cr)

BIOL 1011—General Biology I, LE CAT4 (5 cr)

BIOL 1012—General Biology II (5 cr)

CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)

## College of Education and Human Service Professions

CHEM 1114—Introduction to General, Organic, and Biological Chemistry II (5 cr)  
 GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)  
 GEOL 1610—Oceanography, LE CAT5 (3 cr)  
 GEOL 2110—Earth History (3 cr)  
 GEOL 2311—Mineralogy (4 cr)  
 GEOL 2350—Earth's Resources, LEIP CAT05 (3 cr)  
 MATH 1250—Precalculus Analysis, LE CAT2 (4 cr)  
 PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)  
 PHYS 1002—Introduction to Physics II (5 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.

Register EDUC 3412 for 4 cr.

Register EDUC 4600 for 12 cr.

EDSE 3204—Designing Learning Environments and Lessons (3 cr)  
 EDSE 3206—Apprenticeship: Secondary School (2 cr)  
 EDSE 4100—Teaching in a Diverse Society (3 cr)  
 EDSE 4214—Teaching Content-Area Reading (2 cr)  
 EDSE 4255—Teaching Science: Grades 5–12 (3 cr)  
 EDSE 4501—Educational Psychology (3 cr)  
 EDSE 4525—Assessment for Secondary Education Majors (3 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 EDUC 4234—Science, Technology, and Society (3 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 GEOG 3401—Weather and Climate (3 cr)  
 GEOL 4110—Advanced Earth Science for Teachers (2 cr)  
 HLTH 3202—Drug Education (2 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)  
 GEOL 3210—Geomorphology (4 cr)  
 or GEOL 2120—The Earth's Dynamic Interior (3 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 Sub-plan

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 cr)  
 ENED 3310—Outdoor Leadership Field Experience (2 cr)  
 ENED 3341—Field Interpretive Techniques I (3 cr)  
 ENED 3342—Field Interpretive Techniques II (3 cr)  
 ENED 4163—Outdoor Education Methods (3 cr)  
 HLTH 1650—CPR/AED for the Professional Rescuer (1 cr)  
 HLTH 1700—First Responder (3 cr)  
 PEP 3507—Teaching Outdoor Skills (2 cr)  
 REC 1203—Outdoor Skills I (2 cr)  
 REC 1204—Outdoor Skills II (2 cr)  
 REC 4997—Recreation Practicum (3 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, LEIP CAT05 (3 cr)  
 BIOL 3603—Plant Taxonomy (3 cr)  
 BIOL 4731—Entomology (3 cr)  
 BIOL 4761—Ichthyology (3 cr)  
 BIOL 4763—Ornithology (3 cr)  
 BIOL 5833—Stream Ecology (4 cr)  
 BIOL 5861—Lake Ecology (3 cr)  
 ENED 5325—Environmental Issues Investigation (3 cr)  
 GEOL 4210—Glacial and Quaternary Geology (4 cr)

## Teaching French B.A.A.

### Education; Foreign Languages and Literatures

Required credits to graduate with this degree: 120.

Required credits within the major: 67 to 87.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 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. The Department 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 (3 cr)

FR 1101—Beginning French I, LE CAT3 (4 cr)

FR 1102—Beginning French II, LE CAT3 (4 cr)

FR 1201—Intermediate French I, LE CAT3 (4 cr)

FR 1202—Intermediate French II, LEIP CAT03 (4 cr)

FR 2301—Advanced French, LEIP CAT03 (4 cr)

## 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.

*Register EDUC 3412 for 4 cr.*

*Register EDUC 4600 for 12 cr.*

EDSE 3204—Designing Learning Environments and Lessons (3 cr)

EDSE 3206—Apprenticeship: Secondary School (2 cr)

EDSE 4100—Teaching in a Diverse Society (3 cr)

EDSE 4214—Teaching Content-Area Reading (2 cr)

EDSE 4501—Educational Psychology (3 cr)

EDSE 4525—Assessment for Secondary Education Majors (3 cr)

EDSE 4600—Student Teaching (6–12 cr)

EDUC 3412—The Computer in Education (1–4 cr)

EDUC 4381—Teaching Indigenous Students (2 cr)

EDUC 4500—Professional Issues and Ethics (1 cr)

HLTH 3202—Drug Education (2 cr)

LANG 4044—Language Teaching Methods (4 cr)

SPED 3415—Special Education in the Secondary School (3 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.

## Teaching German B.A.A.

### Education; Foreign Languages and Literatures

Required credits to graduate with this degree: 120.

Required credits within the major: 67 to 87.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 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 (3 cr)

GER 1101—Beginning German I, LE CAT3 (4 cr)

GER 1102—Beginning German II, LE CAT3 (4 cr)

GER 1201—Intermediate German I, LE CAT3 (4 cr)

GER 1202—Intermediate German II, LEIP CAT03 (4 cr)

GER 2301—Advanced German, LEIP CAT03 (4 cr)

### 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.

Register EDUC 3412 for 4 cr.

Register EDUC 4600 for 12 cr.

EDSE 3204—Designing Learning Environments and Lessons (3 cr)

EDSE 3206—Apprenticeship: Secondary School (2 cr)

EDSE 4100—Teaching in a Diverse Society (3 cr)

EDSE 4214—Teaching Content-Area Reading (2 cr)

EDSE 4501—Educational Psychology (3 cr)

EDSE 4525—Assessment for Secondary Education Majors (3 cr)

EDSE 4600—Student Teaching (6–12 cr)

EDUC 3412—The Computer in Education (1–4 cr)

EDUC 4381—Teaching Indigenous Students (2 cr)

EDUC 4500—Professional Issues and Ethics (1 cr)

HLTH 3202—Drug Education (2 cr)

LANG 4044—Language Teaching Methods (4 cr)

SPED 3415—Special Education in the Secondary School (3 cr)

**Ger 3xxx–5xxx: including one culture course taught in German**

See complete listing of Duluth course descriptions at [www.catalog.umn.edu/UMDCourses](http://www.catalog.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.

**Teaching Life Science B.A.Sc.****Education; Biology**

Required credits to graduate with this degree: 120 to 165.

Required credits within the major: 116 to 117.

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 9–12.

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

**Admission Requirements**

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the **UMD Admissions Web site**.

**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.

SSP 1000—Introduction to College Learning (1–2 cr)

**Admission Requirement**

EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)

**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 (3 cr)  
 BIOL 1011—General Biology I, LE CAT4 (5 cr)  
 BIOL 1012—General Biology II (5 cr)  
 BIOL 2101—Cell Biology (3 cr)  
 BIOL 2201—Genetics (3 cr)  
 BIOL 2769—Human Anatomy (4 cr)  
 BIOL 2801—General Ecology (3 cr)  
 GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)  
 MATH 1250—Precalculus Analysis, LE CAT2 (4 cr)  
 PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)  
 PHYS 1002—Introduction to Physics II (5 cr)  
 BIOL 2802—Ecology Laboratory (2 cr)  
 or BIOL 2102—Cell Biology Laboratory (2 cr)  
 or BIOL 2202—Genetics Laboratory (2 cr)  
 CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)  
 and CHEM 1114—Introduction to General, Organic, and Biological Chemistry II (5 cr)  
 or CHEM 1151—General Chemistry I, LE CAT4 (5 cr)  
 and CHEM 1152—General Chemistry II (5 cr)  
 and CHEM 2541—Organic Chemistry I (3 cr)  
 and CHEM 2543 is desirable but not required  
 or CHEM 1161—Honors: General Chemistry I, LE CAT4, H (5 cr)  
 and CHEM 1162—Honors: General Chemistry II, H (5 cr)  
 and CHEM 2541—Organic Chemistry I (3 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.

Register EDUC 3412 for 4 cr.

Register EDUC 4600 for 12 cr.

BIOL 4802—Evolution (3 cr)  
 EDSE 3204—Designing Learning Environments and Lessons (3 cr)  
 EDSE 3206—Apprenticeship: Secondary School (2 cr)  
 EDSE 4100—Teaching in a Diverse Society (3 cr)  
 EDSE 4214—Teaching Content-Area Reading (2 cr)  
 EDSE 4255—Teaching Science: Grades 5–12 (3 cr)  
 EDSE 4501—Educational Psychology (3 cr)  
 EDSE 4525—Assessment for Secondary Education Majors (3 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 EDUC 4234—Science, Technology, and Society (3 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 GEOL 4110—Advanced Earth Science for Teachers (2 cr)  
 HLTH 3202—Drug Education (2 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)  
 GEOL 3210—Geomorphology (4 cr)  
 or GEOL 2110—Earth History (3 cr)  
 or GEOL 2120—The Earth's Dynamic Interior (3 cr)  
 BIOL 3703—Animal Physiology (3 cr)  
 or PHSL 3011—General Physiology (4 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 Sub-plan

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.

### Required Courses for the Sub-plan

ENED 3309—Outdoor Leadership (1 cr)  
 ENED 3310—Outdoor Leadership Field Experience (2 cr)  
 ENED 3341—Field Interpretive Techniques I (3 cr)  
 ENED 3342—Field Interpretive Techniques II (3 cr)  
 ENED 4163—Outdoor Education Methods (3 cr)  
 HLTH 1650—CPR/AED for the Professional Rescuer (1 cr)  
 HLTH 1700—First Responder (3 cr)  
 PEP 3507—Teaching Outdoor Skills (2 cr)  
 REC 1203—Outdoor Skills I (2 cr)  
 REC 1204—Outdoor Skills II (2 cr)  
 REC 4997—Recreation Practicum (3 cr)

### Electives

Pre-approved natural science courses may be substituted.

Take 5 or more credit(s) from the following:

BIOL 3603—Plant Taxonomy (3 cr)  
 BIOL 4731—Entomology (3 cr)  
 BIOL 4761—Ichthyology (3 cr)  
 BIOL 4763—Ornithology (3 cr)  
 BIOL 5833—Stream Ecology (4 cr)  
 BIOL 5861—Lake Ecology (3 cr)  
 ENED 5325—Environmental Issues Investigation (3 cr)  
 ES 2803—Issues in Global Ecology, LEIP CAT05 (3 cr)  
 GEOG 3401—Weather and Climate (3 cr)  
 GEOL 1610—Oceanography, LE CAT5 (3 cr)  
 GEOL 4210—Glacial and Quaternary Geology (4 cr)

## Teaching Mathematics B.A.Sc.

### Mathematics and Statistics; Education

Required credits to graduate with this degree: 120.

Required credits within the major: 94.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Lower Division (18 cr)

CS 1511—Computer Science I, LE CAT3 (5 cr)

EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)

MATH 1296—Calculus I, LE CAT2 (5 cr)

MATH 1297—Calculus II (5 cr)

## 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

Students who complete the program 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.

*Register EDUC 3412 for 4 cr.*

*Register EDUC 4600 for 12 cr.*

EDSE 3204—Designing Learning Environments and Lessons (3 cr)

EDSE 3206—Apprenticeship: Secondary School (2 cr)

EDSE 4100—Teaching in a Diverse Society (3 cr)

EDSE 4214—Teaching Content-Area Reading (2 cr)

EDSE 4222—Teaching Mathematics: Grades 5–12 (4 cr)

EDSE 4501—Educational Psychology (3 cr)

EDSE 4525—Assessment for Secondary Education Majors (3 cr)

EDSE 4600—Student Teaching (6–12 cr)

EDUC 3412—The Computer in Education (1–4 cr)

EDUC 4226—Geometry for Teachers in Grades 5–8 (3 cr)

EDUC 4227—Number Theory for Teachers in Grades 5–8 (3 cr)

EDUC 4228—Teaching Mathematics with Technology (3 cr)

EDUC 4381—Teaching Indigenous Students (2 cr)

EDUC 4500—Professional Issues and Ethics (1 cr)

HLTH 3202—Drug Education (2 cr)

MATH 3110—Foundations of Mathematics and Geometry (4 cr)

MATH 3280—Differential Equations with Linear Algebra (4 cr)

MATH 3355—Discrete Mathematics (4 cr)

MATH 3941—Undergraduate Colloquium (1 cr)

MATH 4201—Elementary Real Analysis (4 cr)

MATH 4371—Introduction to Abstract Algebra (3 cr)

SPED 3415—Special Education in the Secondary School (3 cr)

STAT 3611—Introduction to Probability and Statistics (4 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.

**Teaching Physical Science B.A.Sc.**

**Physics; Chemistry and Biochemistry; Education**

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.

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

**Admission Requirements**

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

**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.*

SSP 1000—Introduction to College Learning (1–2 cr)

**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**

*Register EDUC 3412 for 4 cr.*

*Register EDUC 4600 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 3204—Designing Learning Environments and Lessons (3 cr)

EDSE 3206—Apprenticeship: Secondary School (2 cr)

EDSE 4100—Teaching in a Diverse Society (3 cr)

EDSE 4214—Teaching Content-Area Reading (2 cr)

EDSE 4255—Teaching Science: Grades 5–12 (3 cr)

EDSE 4501—Educational Psychology (3 cr)  
 EDSE 4525—Assessment for Secondary Education Majors (3 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 EDUC 4234—Science, Technology, and Society (3 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 HLTH 3202—Drug Education (2 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)

## Program Sub-plans

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

### Chemistry Sub-plan

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 5–8, and to teach chemistry in grades 9–12.

#### Lower Division

AST 1040—Introductory Astronomy, LE CAT5 (3 cr)  
 BIOL 1011—General Biology I, LE CAT4 (5 cr)  
 BIOL 1012—General Biology II (5 cr)  
 CHEM 1151—General Chemistry I, LE CAT4 (5 cr)  
 CHEM 1152—General Chemistry II (5 cr)  
 CHEM 2222—Quantitative Analysis (3 cr)  
 CHEM 2223—Quantitative Analysis Laboratory (1 cr)  
 CHEM 2541—Organic Chemistry I (3 cr)  
 CHEM 2543—Organic Chemistry I Laboratory (1 cr)  
 CHEM 2542—Organic Chemistry II (3 cr)  
 CHEM 2544—Organic Chemistry II Laboratory (1 cr)  
 EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)  
 GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)  
 PHYS 1001—Introduction to Physics I, LE CAT4 (5 cr)  
 PHYS 1002—Introduction to Physics II (5 cr)  
 GEOL 2110—Earth History (3 cr)  
*or* GEOL 2120—The Earth’s Dynamic Interior (3 cr)  
*or* GEOL 3210—Geomorphology (4 cr)  
 MATH 1290—Calculus for the Natural Sciences, LE CAT2 (5 cr)  
*or* MATH 1296—Calculus I, LE CAT2 (5 cr)

#### Upper Division

CHEM 3322—Biochemistry (3 cr)  
 CHEM 3324—Biochemistry Laboratory (1 cr)  
 GEOL 4110—Advanced Earth Science for Teachers (2 cr)

### Physics Sub-plan

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 5–8 and to teach physics in grades 9–12.

#### Lower Division

AST 1040—Introductory Astronomy, LE CAT5 (3 cr)  
 BIOL 1011—General Biology I, LE CAT4 (5 cr)  
 BIOL 1012—General Biology II (5 cr)  
 CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)  
 CHEM 1114—Introduction to General, Organic, and Biological Chemistry II (5 cr)  
 EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)  
 GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)  
 MATH 1296—Calculus I, LE CAT2 (5 cr)

MATH 1297—Calculus II (5 cr)  
 PHYS 2011—General Physics I, LE CAT4 (4 cr)  
 PHYS 2012—General Physics II (4 cr)  
 PHYS 2021—Relativity and Quantum Physics (4 cr)  
 PHYS 2022—Classical Physics (4 cr)  
 PHYS 2033—Classical and Quantum Physics Lab (2 cr)  
 CS 1131—Introduction to Programming in FORTRAN, LE CAT3 (3 cr)  
*or* CS 1135—Introduction to Programming in FORTRAN 90, LE CAT3 (2 cr)  
*or* one semester of computer programming  
 GEOL 2110—Earth History (3 cr)  
*or* GEOL 2120—The Earth’s Dynamic Interior (3 cr)  
*or* GEOL 3210—Geomorphology (4 cr)

#### Upper Division

PHYS 3061—Instrumentation (3 cr)  
 GEOL 4110—Advanced Earth Science for Teachers (2 cr)

## Teaching Social Studies B.A.A.

### Education

Required credits to graduate with this degree: 120 to 124.  
 Required credits within the major: 103.

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.

### Admission Requirements

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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.

## College of Education and Human Service Professions

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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

## 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 (3 cr)  
 PSY 1003—General Psychology, LE CAT6 (4 cr)  
 SOC 1101—Introduction to Sociology, LECD CAT06 (4 cr)  
 GEOG 1414—Physical Geography, LE CAT4 (4 cr)  
 ANTH 1602—Prehistoric Cultures, LEIP CAT07 (4 cr)  
*or* ANTH 1604—Cultural Anthropology, LEIP CAT06 (4 cr)  
 ECON 1003—Economics and Society, LE CAT8 (3 cr)  
*or* ECON 1022—Principles of Economics: Macro, LE CAT6 (3 cr)  
*or* ECON 1023—Principles of Economics: Micro, LE CAT6 (3 cr)  
 GEOG 1202—World Regional Geography, LEIP CAT08 (3 cr)  
*or* GEOG 1304—Human Geography, LECD CAT06 (3 cr)  
 HIST 1207—Dawn of Modern Europe, LE CAT7 (3 cr)  
*or* HIST 1208—Europe in the Modern Age, LE CAT7 (3 cr)  
 HIST 1304—US History Part I: 1607–1877, LE CAT7 (3 cr)  
*or* HIST 1305—US History Part II: 1865–Present, LE CAT7 (3 cr)  
 POL 1050—International Relations, LEIP CAT08 (3 cr)  
*or* POL 1500—Introduction to Comparative Politics, LEIP CAT06 (3 cr)  
*or* POL 1610—Introduction to Political Theory, LE CAT7 (3 cr)

### Upper Division—Non-Western History

*Take no more than 1 course totaling no more than 3 credit(s) from the following:*

AMIN 2115—Ojibwe History and Culture (3 cr)  
 HIST 2515—Precolonial Africa, LECD CAT07 (3 cr)  
 HIST 3516—Society and Culture in 20th-Century Africa (3 cr)  
 POL 3570—Politics of Developing Nations (3 cr)  
 SPAN 2540—Latino Literatures and Cultures, LECD CAT08 (3 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)

*Register EDUC 3412 for 4 cr.*

*Register EDUC 4600 for 12 cr.*

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

EDSE 3204—Designing Learning Environments and Lessons (3 cr)  
 EDSE 3206—Apprenticeship: Secondary School (2 cr)  
 EDSE 4100—Teaching in a Diverse Society (3 cr)  
 EDSE 4214—Teaching Content-Area Reading (2 cr)  
 EDSE 4244—Teaching Social Studies: Grades 5–12 (3 cr)  
 EDSE 4501—Educational Psychology (3 cr)  
 EDSE 4525—Assessment for Secondary Education Majors (3 cr)  
 EDSE 4600—Student Teaching (6–12 cr)  
 EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)  
 EDUC 3412—The Computer in Education (1–4 cr)  
 EDUC 4234—Science, Technology, and Society (3 cr)  
 EDUC 4381—Teaching Indigenous Students (2 cr)  
 EDUC 4500—Professional Issues and Ethics (1 cr)  
 HLTH 3202—Drug Education (2 cr)  
 SPED 3415—Special Education in the Secondary School (3 cr)

## Program Sub-plans

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

### Anthropology Sub-plan

#### Required Courses for the Sub-plan (18 cr)

ANTH 4651—Development of Anthropological Theory (4 cr)  
 SOC 3155—Quantitative Research Methods and Analysis (4 cr)  
*Take no more than 10 credit(s) from the following:*  
 ANTH 3xxx  
 ANTH 4xxx

### Economics Sub-plan

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.

#### Required Courses for the Sub-plan (18 cr)

ECON 1022—Principles of Economics: Macro, LE CAT6 (3 cr)  
 ECON 1023—Principles of Economics: Micro, LE CAT6 (3 cr)

Take no more than 12 credit(s) from the following:

ECON 3xxx  
ECON 4xxx  
ECON 5xxx

## Geography Sub-plan

### Required Courses for the Sub-plan (18 cr)

GEOG 3401—Weather and Climate (3 cr)  
GEOG 3702—Geography of the United States and Canada (3 cr)  
GEOG 5612—Field Techniques (4 cr)

Take 8–9 credit(s) from the following:

GEOG 3xxx  
GEOG 4xxx  
GEOG 5xxx

## History Sub-plan

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

### Required Courses for the Sub-plan

Take no more than 18 credit(s) from the following:

#### Subrequirement I: United States History

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

HIST 2353—American Youth Culture (3 cr)  
HIST 2355—United States Military History, LE CAT7 (3 cr)  
HIST 2357—Women in American History, LECD CAT07 (3 cr)  
HIST 3316—US Social History, 1800-1916 (3 cr)  
HIST 3317—American Expansion, 1800-1900 (3 cr)  
HIST 3361—The American City (3 cr)  
HIST 3365—American Culture and Globalization (3 cr)  
HIST 3xxx  
HIST 4xxx  
HIST 5xxx

#### Subrequirement II: European History

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

HIST 2244—The History of Science: Ancients to Newton (3 cr)  
HIST 2245—Science and Society: 1500 to Present, LE CAT7 (3 cr)  
HIST 2265—Russia in the 20th Century, LEIP CAT07 (3 cr)  
HIST 3021—The Age of the Heroes: Homer and his World (3 cr)  
HIST 3031—The Roman Republic (3 cr)  
HIST 3041—The Roman Empire (3 cr)  
HIST 3055—The Ancient Near East (3 cr)  
HIST 3151—Ancient Egyptian Culture (3 cr)  
HIST 3239—Europe in the Age of Renaissance and Reformation: 1348–1648 (3 cr)  
HIST 3240—Early Modern England: 1485-1689 (3 cr)  
HIST 3243—Europe in Crisis in the 20th Century (3 cr)  
HIST 3244—History of Holocaust (3 cr)  
HIST 3257—Modern France (3 cr)  
HIST 3264—Imperial Russia (3 cr)  
HIST 3333—From Homer to Alexander: Archaic and Classical Greece (3 cr)  
HIST 3335—From Alexander to Mohammad (3 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—Modern Latin America (3 cr)  
HIST 2515—Precolonial Africa, LECD CAT07 (3 cr)  
HIST 2525—Islamic Societies, LEIP CAT07 (3 cr)  
HIST 3515—Modern Africa (3 cr)  
HIST 3516—Society and Culture in 20th-Century Africa (3 cr)  
HIST 3725—Islamic History from Muhammad to the Ottomans (3 cr)  
HIST 3726—Modern Middle East: 18th Century–Present (3 cr)

HIST 3xxx  
HIST 4xxx  
HIST 5xxx

## Political Science Sub-plan

Take no more than 8 credits in any one category.

### Required Courses for the Sub-plan

Take no more than 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 cr)  
POL 3015—State and Local Government (4 cr)  
POL 3040—Women and Politics (3 cr)  
POL 3080—Environment and Politics (3 cr)  
POL 3150—American Constitutional Law I (4 cr)  
POL 3151—American Constitutional Law II (4 cr)  
POL 3170—Political Interest Groups and Individuals (3 cr)

#### Category II: International Politics

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

POL 3400—Contemporary Issues in World Politics (4 cr)

#### Category III: Comparative Politics

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

POL 3517—Western European Political Systems (4 cr)  
POL 3570—Politics of Developing Nations (3 cr)

#### Category IV: Political Theory

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

POL 3600—Political Concepts (4 cr)  
POL 3610—Political Economy: An Introduction (4 cr)  
POL 3651—Classical Political Thought (4 cr)  
POL 3652—Modern Political Thought (4 cr)

## Psychology Sub-plan

### Required Courses for the Sub-plan

Take 18 or more credit(s) from the following:

PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)  
PSY 2223—Gender in Society, LECD CAT08 (4 cr)  
PSY 3021—Experimental Design and Methodology (4 cr)  
PSY 3111—Theories of Personality (3 cr)  
PSY 3121—Abnormal Psychology (4 cr)  
PSY 3201—Social Psychology (3 cr)  
PSY 3211—Group Dynamics (3 cr)  
PSY 3215—Topics in Human Sexuality (3 cr)  
PSY 3371—Child and Adolescent Psychology (3 cr)  
PSY 3611—Learning and Behavior (4 cr)

## Sociology Sub-plan

### Required Courses for the Sub-plan (18 cr)

SOC 2111—Sociological Theory (4 cr)  
SOC 3155—Quantitative Research Methods and Analysis (4 cr)  
SOC 3701—Social Psychology (3 cr)  
SOC 3901—Social Change and Social Policy (3 cr)  
SOC 3821—Sociology of Community (3 cr)  
or SOC 3831—Organizations and Society (3 cr)

Take 0–1 credit(s) from the following:

SOC 3xxx  
SOC 4xxx

## Women's Studies Sub-plan

### Required Courses for the Sub-plan (18 cr)

WS 1000—Introduction to Women's Studies, LECD CAT07 (3 cr)  
WS 2101—Women, Race, and Class, LECD CAT08 (3 cr)

**Electives**

Take no more than 12 credit(s) from the following:

**Women's Studies**

Take 6–12 credit(s) from the following:

- WS 3000—Transnational Perspectives on Feminism (3 cr)
- WS 3001—Third World Women (3 cr)
- WS 3002—Latin American Women: Culture and Politics (3 cr)
- WS 3100—Feminist Theory (4 cr)
- WS 3150—Women-Identified Culture (3 cr)
- WS 3300—Women and Spirituality (3 cr)
- WS 3350—Women and the Law (3 cr)
- WS 3600—Ecofeminist Theories and Practices (3 cr)

**Other Electives**

Take 0–6 credit(s) from the following:

- ANTH 3628—Women in Cross-Cultural Perspective (3 cr)
- GEOG 4394—Gender, Space and Culture (4 cr)
- HIST 2357—Women in American History, LECD CAT07 (3 cr)
- POL 3040—Women and Politics (3 cr)
- PSY 2223—Gender in Society, LECD CAT08 (4 cr)
- SOC 4323—Women and Justice (3 cr)
- SOC 4947—Sociology of Gender Identities and Systems (3 cr)

**Teaching Spanish B.A.A.****Education****Foreign Languages and Literatures**

Required credits to graduate with this degree: 120.

Required credits within the major: 67 to 87.

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.

**Admission Requirements**

Students must complete 45 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

**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 (3 cr)
- SPAN 1101—Beginning Spanish I, LE CAT3 (4 cr)
- SPAN 1102—Beginning Spanish II, LE CAT3 (4 cr)
- SPAN 1201—Intermediate Spanish I, LE CAT3 (4 cr)
- SPAN 1202—Intermediate Spanish II, LEIP CAT03 (4 cr)
- SPAN 2301—Advanced Spanish, LEIP CAT03 (4 cr)

**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).

Register EDUC 3412 for 4 cr.

Register EDUC 4600 for 12 cr.

EDSE 3204—Designing Learning Environments and Lessons (3 cr)

EDSE 3206—Apprenticeship: Secondary School (2 cr)

EDSE 4100—Teaching in a Diverse Society (3 cr)

EDSE 4214—Teaching Content-Area Reading (2 cr)

EDSE 4501—Educational Psychology (3 cr)

EDSE 4525—Assessment for Secondary Education Majors (3 cr)

EDSE 4600—Student Teaching (6–12 cr)

EDUC 3412—The Computer in Education (1–4 cr)

EDUC 4381—Teaching Indigenous Students (2 cr)

EDUC 4500—Professional Issues and Ethics (1 cr)

HLTH 3202—Drug Education (2 cr)

LANG 4044—Language Teaching Methods (4 cr)

SPED 3415—Special Education in the Secondary School (3 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.

# Special Education Licensure Programs

- Early childhood/special education (EC/SE)
- Emotional behavioral disorders (EBD)
- Learning disabilities (LD)

Students may earn their EC/SE license as undergraduate students majoring in early childhood studies or as postbaccalaureate students.

Students interested in EBD or LD typically earn licensure as postbaccalaureate students, although undergraduates who are majoring in a teaching field may minor in special education and make significant progress toward, or even complete special education licensure requirements before graduation.

Undergraduates interested in obtaining any special education license at UMD should seek advising from the special education faculty as early in their programs as is possible.

For information on developmental disabilities (DD), physical and health impairments (PHI), or visual impairments (VI), please contact the UMD special education coordinator, 120 Montague Hall.

**Admission to Candidacy Requirements**

To be admitted to UMD's postbaccalaureate special education program, students are required to submit a Postbaccalaureate Contract Application, and apply for admission to the special education program. The Postbaccalaureate Contract Application and instructions for applying are available at [www.d.umn.edu/cehsp/licensure/post\\_bac.htm](http://www.d.umn.edu/cehsp/licensure/post_bac.htm).

Admission is limited and based on the following criteria:

- A minimum overall GPA of 2.70 (Applicants to EC/SE should also consult requirements for early childhood studies.)
- Three letters of reference that attest to the applicant's ability to work with individuals with disabilities
- Interviews with program faculty (optional)
- Quality of written response to a question included in the application packet

Application packets are sent to the student with the approved postbaccalaureate contract. Completed applications and all supporting documents are due April 1 for fall semester admission. Check with the program coordinator, 120 Montague Hall, for availability of admission openings at other times.

Applicants who do not meet minimum standards may be admitted for a probationary semester and have their application reconsidered the following semester.

**Maintenance Standards**

Students who do not maintain satisfactory levels of progress (a GPA of 2.70 in all program-required courses and acceptable performance in their field experiences and dispositions) will have their candidacy rescinded. Courses with a grade lower than B- are not counted toward meeting licensure requirements.

## Exit Standards

To be recommended for licensure, students must have maintained a GPA of 2.70 in all program-required courses, acceptable performance in their field experiences and dispositions, demonstrated satisfactory outcomes required by the program, and satisfactorily completed their student teaching practicum. Students must pass all tests required by the Minnesota Board of Teaching.

## Personal Liability Insurance

Students must obtain personal liability insurance while working in public school classrooms. This can be obtained most economically by student membership in Education Minnesota. Applications are available online at [www.educationminnesota.org](http://www.educationminnesota.org).

## Early Childhood/Special Education Licensure Requirements

Students interested in the ECSE licensure should refer to the Unified Early Childhood Studies section for requirements.

## Emotional Behavioral Disorders (EBD) and Learning Disabilities (LD) Licensure Requirements

(38 credits)

### Prerequisite Course

HLTH 3202—Drug Education (2 cr) or equivalent course/seminar in Tobacco and Drug Abuse

### Special Education Core (20 credits)

SPED 4381/5381—Behavior Management Principles and Practices (4 cr)

SPED 4204/5204—Assessment for Children and Youth With Disabilities (4 cr)

SPED 4433/5433—Foundations in Special Education (4 cr)

SPED 4435/5435—Parent and Professional Communication and Collaboration (4 cr)

SPED 4452/5452—Academic Interventions for Students With Disabilities (4 cr)

Special Education Courses (18 credits)

SPED 4455/5455—Transitional Planning for Adolescents With Disabilities (4 cr)

SPED 4485/5485—Development and Implementation of the IEP (3 cr)

SPED 4600/5600—Student Teaching (3 cr)

SPED 4382/5382—Advanced Theory and Practice in Emotional/Behavioral Disorders (4 cr)

SPED 4351/5351—Learning Disabilities Characteristics and Interventions (4 cr)

## Special Education Minor

### Education

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.

## Minor Requirements

### Required Courses

SPED 4204—Assessment for Children and Youth with Disabilities (4 cr)

SPED 4381—Behavior Management Principles and Practices (4 cr)

SPED 4433—Foundations in Special Education (4 cr)

SPED 4435—Parent and Professional Communication and Collaboration (4 cr)

SPED 4452—Academic Interventions for Students with Disabilities (4 cr)

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

### Education

Required credits to graduate with this degree: 137 to 138.

Required credits within the major: 107.

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.

## Admission Requirements

Students must complete 54 credits before admission to the program.

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

A GPA above 2.00 is preferred for the following:

- 2.70 for students already admitted to the degree-granting college.
- 2.70 for students transferring from another University of Minnesota college.
- 2.70 for students 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 UMD admission requirements, visit the [UMD Admissions Web site](#).

### 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.*

SSP 1000—Introduction to College Learning (1–2 cr)

### Lower Division (21–22 cr)

ECH 2010—Foundational Issues in Early Childhood Studies (3 cr)

ECH 2015—Literature for Young Children (3 cr)

ECH 2025—Cognitive Development: Theory to Practice (3 cr)

EDUC 1100—Human Diversity, LECD CAT08 (3 cr)

EDUC 1101—Education in Modern Society, LE CAT7 (3 cr)

EDUC 1000—Human Development (3 cr)

or PSY 2021—Developmental Psychology, LECD CAT06 (4 cr)

SOC 1201—Sociology of the Family, LECD CAT08 (3 cr)

or EDUC 5340—Interacting With Diverse Families (3 cr)

### 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 Web site. 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 cr)

ECH 3006—Early School Years (2 cr)

ECH 3021—Teaching Mathematics: Birth–Age Eight (4 cr)

ECH 3022—Literacy for Young Children: Teaching Reading, Writing, Speaking, and Listening (4 cr)

ECH 3030—Inquiry, Social Studies, and Science Learning: Birth–Age Eight (5 cr)

ECH 3050—Observing and Guiding Behavior: Birth–Age Eight (4 cr)

ECH 3055—Creative Expressions in Early Childhood: Birth–Age Eight (3 cr)

ECH 3104—Family Partnerships (1 cr)

ECH 4009—Leadership in Early Childhood Studies (3 cr)

ECH 4010—Infant and Early Childhood Perceptual and Psychomotor Development (2 cr)

ECH 4400—Professional Development Seminar (1 cr)

ECH 4600—Student Teaching in Early Childhood/Primary (3–12 cr)

ECH 4610—Professional Issues Seminar in Early Childhood Education (1 cr)

EDUC 3412—The Computer in Education (1–4 cr)

HLTH 3161—School Health Programs: Early Childhood through Middle School (2 cr)

SPED 3103—Infants and Toddlers with Special Needs (4 cr)

SPED 3105—Young Children with Special Needs: Ages Three–Eight (4 cr)

SPED 3106—Working with Young Children with Low Incidence Disabilities (4 cr)

SPED 3109—Working with Challenging Behavior in Young Children (3 cr)

SPED 3205—Assessment in Early Childhood Special Education (4 cr)

SPED 4433—Foundations in Special Education (4 cr)

SPED 4435—Parent and Professional Communication and Collaboration (4 cr)

SPED 4600—Student Teaching (3–12 cr)

SPED 4610—Professional Issues (1 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.