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College of Education and Human Service Professions (CEHSP)

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

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

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 for recommending graduates for licensure. Five departments—communication sciences and disorders, education, health, physical education, and recreation, psychology and social work—work cooperatively to achieve the purposes of the college in teaching, research, and service.

The mission is further served by contributions from the following offices and centers: Advising and Academic Services, American Indian Learning Resource Center (AILRC), Center for Environmental Education (CEED), Eni-gikendaasoyang—Center for Indigenous Knowledge and Language Revitalization, Field Experiences (Education), Instructional Development Services (IDS), and the UMD Children’s Place.

Admission to Upper Division Programs

Students are admitted to CEHSP as pre-majors. 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 rest 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 department office for information. Once admitted, students remain in the program as long as minimum GPA requirements are maintained. Students who fall below the minimum are monitored by their advisers.

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 of Minnesota GPA. Students also need to meet the specific GPA requirements within their major to be in good academic standing with their program.

Probation

Students with a cumulative University of Minnesota GPA lower than 2.00 are placed on academic probation. Students on academic probation have one semester of attendance to raise their cumulative GPA to a 2.00 or higher to avoid dismissal. Students on probation will be required to meet with an adviser in CEHSP Advising and Academic Services.

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 and 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 could 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 may not make up grade point deficiencies outside the University of Minnesota. Petition information is available at the CEHSP Advising and Academic Services Office, 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 the adviser and others involved, the student should submit a petition to the college’s Advising and Academic Services Office, 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.
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 GPA's required for the three honors categories are established on the basis of the record of the previous year’s graduating class and are available at CEHSP Advising and Academic Services. 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 the qualifying students' transcript indicating this achievement. To be eligible for the CEHSP 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.

Advising and Academic Services
CEHSP Advising and Academic Services facilitates student learning, development, and success through high-quality advising and academic services. This office offers students help with policies and procedures, exploring majors, advising, and referrals to campus resources as needed. Information about teacher licensure, postbaccalaureate contracts, admission, orientation, advising, scholastic standing, change of college, change of major, graduation honors, and grievance and appeal procedures may be obtained from CEHSP Advising and Academic Services, 120 Bohannon Hall (218-726-7156). Applications for Minnesota state licensure are also available in this office.

Continuing Education (CNED)
The College of Education and Human Service Professions coordinates Continuing Education (CNED) courses, conferences, and institutes in conjunction with CE. Both undergraduate- and graduate-level credits may be earned through Continuing Education.
For more information, contact Continuing Education, 403 Darland Administration Building (218-726-6361).

Degrees Offered
Bachelor of Applied Arts (B.A.A.)
This degree program prepares students to teach in selected secondary education fields.

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 non-teaching fields of athletic training, communication sciences and disorders, community health education, exercise science, psychology, and recreation.
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, School of Fine Arts, College of Liberal Arts, and 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 at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program section of this catalog
• Completion of one or more majors with a 2.00 minimum GPA in each or minimum GPA as required by the program
• A minimum 2.00 University of Minnesota and overall (including transfer credits) GPA (or higher as required by the program)
• Completion of courses to total at least 120 credits. The credit requirement is specified individually by each major program. Recommended electives and required supporting courses are described for each major
• Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP 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., a B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.

CEHSP Graduate Programs
Collegiate graduate programs require a minimum of 30 semester credits at 5xxx or above that have not been used to fulfill an undergraduate requirement; or at 4xxx that have been approved for graduate credit through the Graduate School. 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 with the exception of the Ed.D., credits must be earned within five years of admission to the program. All credit must be completed within seven years of admission.
Master of Education (M.Ed.)
The master of education program offers professional development for those in education or human service professions: classroom teachers; educators in specialized areas; and professionals with training responsibilities in the health sciences, social services, and community education. 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, social justice, and collaboration. The M.Ed. consists of core courses, electives, and a final project.
The M.Ed. with a concentration 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. The program includes core requirements in professional development; research and theory; learning theory and application; curriculum design or research design, methods, and analysis; and a thesis.
For more information about the M.Ed. programs contact the CEHSP Department of Education, 150 EduE (218-726-6525).

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 coursework completed are also eligible to apply for admission.
The program operates as a cohort of graduate candidates who take courses 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. For more information about the M.Sp.Ed. program contact the CEHSP Department of Education, 150 EduE (218-726-6525).

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.
For more information about the Ed.D. program, contact the CEHSP Department of Education, 150 EduE (218-726-6525).

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. Contact the Communication Sciences and Disorders Department for more information. A master of social work (M.S.W.) is also available; for more information, see the Graduate School website.

Departments
Communication Sciences and Disorders
Professor: Mark L. Mizuko (department head); Associate Professors: Kent Bronson, Faith C. Loven, Cindy S. Spillers; Assistant Professor: Dana Collins; Instructors: Lynette Carlson (clinic director), Shannon Godsey, Lynda John, Jolene Hypa Mattin, Susan Schaefer, Kay Wallis
Email: csd@d.umn.edu
Website: 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: David A. McCarthy, Linda Miller-Cleary (English), Bruce H. Munson, Kay Wohlhuter; Associate Professors: Lynn Brice, Francis A. Guildbrandsen, Nedra A. Hazareesingh, Mary Hermes, Trudie Hughes, Randy Hyman, Mary Ann Marchel, Molly Minikkinen, Helen Mongan-Rallis, Chang’aa Mweti, Jacqueline Onchwari, Diane Rauschenfels, Kim Riordan, Terrie M. Shannon, Jean Stevenson, Joyce Strand (department head), Julie Williams, Jiyoon Yoon; Assistant Professors: Judith Blyckert, Susan Damme, Nancy Diener, Priscilla Fairbanks, Daniel Glisciinski, Joan Kwako, Brian McInnes, Geraldine Nierengarten; Instructors: Dan Corbett, Jane Dietrich, Brenda Fischer, Chris Johnson, Joanne Langdon, Dana Luehr, Doreen Matteson, Elizabeth Ruark, Cindy Ryan, James Sersha, Jill Torres, Neil Witikko, Kevin Zak
Email: educ@d.umn.edu
Website: www.d.umn.edu/educ
The department offers programs for the baccalaureate degree or licensure within the general areas of unified early childhood studies; integrated elementary and special education (beginning Fall 2011), 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 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: CREST—collaboration, reflection, empowerment, social justice, 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

Professor: Duane Millslagle; Associate Professors: Helen M. Doane, Julie Ernst, Kenneth Gilbertson, John R. Keener, Georgia L. Keeney, Morris Levy, Mark E. Nierengarten (department head), Ladona Tornabene; Assistant Professors: Jane Carlson, Bill Gear, Char Harkins, Amy Versnik-Nowak, Mark Zmudy; Instructors: Thomas Beery, Elizabeth Fleissner, Kenneth Harkins, James Knapp, Karen Skrbich, Megan Streveler, Patricia Wendinger
Email: hper@d.umn.edu
Website: 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-Outdoor Education (B.A.S.). Students should check the admission and graduation requirements for each of the individual programs.

Psychology

Professors: Aydin Durgunoglu, Randall A. Gordon, Bud A. McClure, Kristelle Miller (emeritus), Uwe H. Stuecher; Associate Professors: Eugene E. Grossman (emeritus), Robert L. Lloyd, Fay E. Maas (department head), Alexandra Luong, Sandra J. Woolum; Assistant Professors: Kathy Apostal, Scott Carlson, Kathy Dowell, Eric Hessler, Lara LaCaille, Rick LaCaille, Karen Marsh, Paula Pedersen, Julie Slowiak, John Taylor; Instructors: Brenda Butterfield, Carol Kivi, Christine Schilling
Email: rjohnso6@d.umn.edu
Website: 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. The department’s 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. The department supports 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 (department head); Assistant Professors: Evie Campbell, Janet Haynes, Anne Tellett; Instructor: Kathleen Heltzer
Email: sw@d.umn.edu
Website: www.d.umn.edu/sw

The mission of the Department of Social Work is to promote human well-being and advance social justice in northern Minnesota and neighboring regions through teaching, research, and service. The department prepares competent and effective advanced generalist social workers who are leaders both in expanding the profession’s knowledge base and in developing socially just service delivery systems. UMD social work graduates are committed to pursuing culturally competent practice among diverse populations with an emphasis on working with American Indians, especially in rural communities. The education the department provides is based on the knowledge, values, and skills of social work; and is grounded in the profession’s history, purposes, and philosophy.

Teacher Licensure Program

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

Teacher Licensure Requirements

Teacher licensure requirements are subject to change without notice in order to accommodate the requirements of licensure and accrediting agencies. These changes may be applied to current students. All teacher licensure programs have an application process and requirements that must be met before admission into upper division licensure courses. Details are available on the Department of Education website at www.d.umn.edu/educ.

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 basic skills test, subject matter content tests and pedagogy 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/literature (5–12)
• Early childhood education (birth–grade 3)
• Health education (5–12)
• Integrated elementary and special education (IESE) K–6 elementary education plus K–12 learning disabilities and emotional behavior disorders
• Middle school endorsement communication arts/literature (5–8 specialty)
• Middle school endorsement mathematics (5–8 specialty)
• Middle school endorsement science (5–8 specialty)
• Middle school endorsement social studies (5–8 specialty)
• Middle school endorsement world language and cultures—Ojibwe (K–8 specialty)
• Instrumental and classroom music (K–12)
• Mathematics (5–12)
• Physical education (K–12)
• Physics (9–12)
• Chemistry (9–12)
• Earth science (9–12) optional environmental education concentration
• Life science (9–12) optional environmental education concentration
• 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) (see School of Fine Arts)
• Vocal and classroom music (K–12) (see School of Fine Arts)
• World languages and cultures—French (K–12)
• World languages and cultures—German (K–12)
• World languages and cultures—Spanish (K–12)
• Middle school endorsement in math, science, communication arts and social studies (5–8)
• 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)

Changes to the Elementary Education Program
Current students in the following existing programs must complete all requirements by spring 2012 for the college to recommend the license, which must be issued by August 31, 2012. No new students can begin these programs:
• Elementary education (K–6) plus communication arts/literature (5–8 specialty)
• Elementary education (K–6) plus mathematics (5–8 specialty)

Global Student Teaching
CEHSP offers prospective teachers the opportunity to complete student teaching requirements in several regions of the world. Interested students must contact the Field Experiences Office in the CEHSP Department of Education. Details are available on the Department of Education website at: www.d.umn.edu/educ.

Postbaccalaureate Contracts
CEHSP has a Postbaccalaureate Student Contract process for persons who have completed a baccalaureate degree at UMD or at another institution and who wish to obtain licensure to teach in Minnesota. This process also can be used by persons 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 CEHSP Advising and Academic Services. 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 and passing the tests required by the state, students are recommended for Minnesota licensure.

License Application
Students apply for licensure online with the Minnesota Department of Education. Verification forms are submitted for signatures to CEHSP Advising and Academic Services, 120 Bohannon Hall (218-726-7156). Applicants must submit a completed application, required fees, evidence of passing scores on all tests required by the Minnesota Board of Teaching, 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.
**Special Education Licensure Programs**

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 Department of Education section.

**Licensure Programs**

**Elementary Teacher Education**
Students preparing for teaching licensure in Minnesota elementary schools must complete an approved baccalaureate or postbaccalaureate degree program. Refer to the program requirements identified in the description of the major.

**Secondary and K–12 Teacher Education**
Students preparing for teaching licensure in Minnesota secondary schools must complete an approved baccalaureate or postbaccalaureate degree program with one or more majors in a teaching area. Refer to the program requirements identified in the description of the major.

**Unified Early Childhood/Special Education Licensure Requirements**
Students preparing for teaching licensure in Minnesota early childhood settings or primary schools must complete an approved baccalaureate or postbaccalaureate degree program. Students interested in the ECSE licensure should refer to the unified early childhood studies major for requirements.

**Maintenance Standards**
To continue as 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 that meets program standards for 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.

**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 in the Office of Field Experiences, 150 EduE (218-726-7483).

**Background Checks**
Students are required to have a background check every two years during practicum/student teaching/volunteering in schools and agencies. Proof of a completed background check is required prior to any experience in public school and agency settings. Contact the UMD Education Department for further information regarding procedures for background check application.

**Student Teaching**
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 GPA that meets program requirements
- Completion of a minimum of 85 percent of teaching major courses

Application deadlines for student teaching are posted on the UMD Department of Education website at [www.d.umn.edu/educ](http://www.d.umn.edu/educ). Student teaching is normally done during the senior year.

**Other Professional Concerns**
The forms necessary to apply for licensure upon completion of an approved teaching major program are available in the CEHSP Advising and Academic Services Office. Information on obtaining teaching positions is available from the Career Services Office in the Solon Campus Center.

**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, 150 EduE.

**Admission to Candidacy Requirements**

Admission to UMD as a special education postbaccalaureate student requires submission of a postbaccalaureate contract application available at [www.d.umn.edu/cehsp/licensure/post_bac](http://www.d.umn.edu/cehsp/licensure/post_bac). Students must also apply for admission to the special education program; application instructions can be found on the same website. 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 unified 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, 150 EduE, 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 in the Office of Field Experiences, 150 EduE (218-726-7483).

**Emotional Behavioral Disorders (EBD) or Learning Disabilities (LD) Licensure Requirements**

**Prerequisite Courses**

Students without a professional education background may need to complete additional courses listed below. This is determined at the time of application and will be reflected in the postbaccalaureate contract evaluation.

- EDUC 1000—Human Development (3 cr)
- EDUC 1101—Education in Modern Society (3 cr)
- HLTH 3202—Drug Education (2 cr)
- PSY 2021—Developmental Psychology (4 cr)
- PSY 3771—Child and Adolescent Psychology (3 cr)

**Special Education Core (39 credits)**

- SPED 4204/5204—Assessment in the General and Special Education Classroom (4 cr)
- SPED 4381/5381—Classroom and Behavior Management (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)
- SPED 4455/5455—Transitional Planning for Adolescents With Disabilities (4 cr)
- SPED 4585/5585—Individual Education Plans: Development and Implementation (3 cr)
- SPED 4600/5600—Student Teaching (12 cr)

**Emotional Behavioral Disorders Specialization Course**

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

**Learning Disabilities Specialization Course**

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

**Degree Programs**

**Athletic Training B.A.Sc.**

Health, Physical Education and Recreation

Required credits to graduate with this degree: 124.

Required credits within the major: 103.

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

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

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

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

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

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

- Completed program application form.
- Official transcripts of any college courses.
- Proof of current CPR certification from the Professional Rescuer series and first aid certification.
- Two letters of recommendation on academic and clinical qualities.
- Copies of physical examination and vaccination verifications.
- A signed copy of the program’s technical standards.
- A career/interview paper including four different settings on how a practicing athletic trainer can apply their skills.

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

For information about UMD admission requirements, visit the UMD Admissions website.

**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—UMD Seminar (1–2 cr)**

This course is available. Interested students must meet with the program director prior to declaring athletic training as a major.

Sophomore Year (33 cr)

- 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—Clinical Kinesiology (4 cr)
- ESAT 3610—Mechanics of Musculoskeletal Injury (3 cr)
- ESAT 3630—Lower Extremity Injury Evaluation (4 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)
- PSY 1003—General Psychology, LE CAT6 (4 cr)

Junior Year (25 cr)

- ESAT 3400—Exercise Physiology (4 cr)
- ESAT 3430—Principles of Strength and Conditioning Programs (4 cr)
- ESAT 3632—Upper Extremity Injury Evaluation (4 cr)
- ESAT 3642—Therapeutic Exercise (4 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)
- HLTH 1470—Human Nutrition, LE CAT5 (3 cr)

Senior Year (16 cr)

- ESAT 4590—Research in Athletic Training (3 cr)
- ESAT 4600—Senior Seminar Athletic Training (2 cr)
- ESAT 4610—Orthopedic Seminar (1 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)

Electives (8 cr)

Take 8 or more credit(s) from the following:

- ESAT 3210—Exercise Adherence (3 cr)
- ESAT 3220—Motor Learning and Development (5 cr)
- ESAT 3270—Exercise Adherence (3 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 3430—Exercise Leadership (3 cr)
- ESAT 3432—Exercise Leadership (3 cr)
- HLTH 1104—Health Science Terminology (1–3 cr)
- HLTH 1169—CPR/AED for the Professional Rescuer (1 cr)
- HLTH 1700—First Responder (3 cr)

Course From Other Program (3 cr)

- WRIT 3140—Advanced Writing: Human Services (3 cr)
- WRIT 3150—Advanced Writing: Science (3 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 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:
- 2.8 for students already admitted to the degree-granting college.
- 2.8 for students transferring from another University of Minnesota college.
- 2.8 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 website.

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 immediately before graduation must be taken at UMD.
- Degree candidates must complete at least 30 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- Students seeking two degrees (e.g., a B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.

Exercise Science B.A.Sc.

Health, Physical Education and Recreation
Required credits to graduate with this degree: 120.

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 programs.
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 website](https://admissions.umd.edu).

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**Introductory Course (1 cr)**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>SSP 1000—UMD Seminar</td>
<td>1–2</td>
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</table>

**Pre-Exercise Science From Other Programs (33 cr)**

CHEM 1153 and 1154 for exercise and sport science concentration.

CHEM 1113 or CHEM 1153 and 1154 for health and fitness concentration.

- BIOL 1011—General Biology I, LE CAT4 (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 3150—Advanced Writing: Science (3 cr)
- CHEM 1113—Introduction to General, Organic, and Biological Chemistry I, LE CAT4 (5 cr)
- CHEM 1153—General Chemistry I (4 cr)
- CHEM 1154—General Chemistry Lab I (1 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.
- 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 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.
- 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 (26 cr)**

Required for all concentrations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESAT 3200—Motor Learning and Development</td>
<td>5</td>
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<tr>
<td>ESAT 3300—Human Biomechanics</td>
<td>4</td>
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<tr>
<td>ESAT 3400—Exercise Physiology</td>
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<tr>
<td>ESAT 3410—Performance Nutrition and Weight Management</td>
<td>4</td>
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<tr>
<td>ESAT 3420—Exercise Testing and Prescription</td>
<td>4</td>
</tr>
<tr>
<td>ESAT 3440—Clinical Exercise Physiology</td>
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</tr>
</tbody>
</table>
Program Sub-plans
Students are required to complete one of the following sub-plans.

Special 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.

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 (19 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)
ESAT 3432—Exercise Leadership (3 cr)
ESAT 3450—Management of Fitness Facilities (3 cr)
ESAT 4996—Internship (3–12 cr)

Courses From Other Programs (19-20 cr)
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)

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 (8 cr)
ESAT 4700—Statistics and Research Methods in Exercise Science (4 cr)
ESAT 4710—Applied and Experimental Exercise Science (4 cr)

Courses From Other Programs (33 cr)
BIOL 1012—General Biology II (5 cr)
MATH 1296—Calculus I, LE CAT2 (5 cr)
PHYS 1002—Introduction to Physics II (5 cr)
CHEM 1155—General Chemistry II (4 cr)
CHEM 1156—General Chemistry Lab II (1 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 2543—Organic Chemistry I Laboratory (1 cr)
CHEM 2544—Organic Chemistry II Laboratory (1 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 CAT6 (4 cr)
PSY 3121—Abnormal Psychology (4 cr)

Health Education B.A.Sc.
Health, Physical Education and Recreation
Required credits to graduate with this degree: 120 to 122.

Required credits within the major: 103 to 111.

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 the major. Health education advisers assist students in the application process.

Students in the school health option must apply to the Secondary Teacher Education Program (STEP). Health education advisers assist students in this application process. Students transferring from outside of UMD or from other UMD academic units must have a minimum GPA of 2.50, and must meet with the health education program coordinator before transfer to the major can be approved.

For information about UMD admission requirements, visit the UMD Admissions website.

**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 — UMD Seminar (1–2 cr)

**Lower Division (20 cr)**

HLTH 1104 completion of 3 credits required.

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 (33 cr)**

EDUC 3412 completion of 4 credits required

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

CHEM 1103 — Aspects of Chemistry, LE CAT5 (3 cr)

CHEM 1104 — Aspects of Chemistry Lab, LE CAT4 (1 cr)

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

EDUC 1100 — Human Diversity, LE CAT8 (3 cr)

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

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

PSY 2021 — Developmental Psychology, LE CAT6 (4 cr)

SOC 1101 — Introduction to Sociology, LE CAT6 (4 cr)

WRIT 3140 — Advanced Writing: Human Services (3 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.
- 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 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 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 (20 cr)**

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.

**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, 150 EduE.

**Exit Standards**: Candidate proficiencies are assessed throughout the teacher preparation courses by UMD faculty, university supervisors, and the cooperating teachers in all field experiences. The field experience assessment forms include knowledge, skills, and dispositions that are aligned to institutional, state and national standards for all field experiences.
Candidates must complete a semester of full-time student teaching in a public school setting at the middle or secondary level. Double majors (such as physical education and health education) are required to student teach in both content areas. The final standards-based portfolio is due at the end of student teaching. Candidates must pass all required licensure tests before they can be recommended for teacher licensure in Minnesota.

**School Health Concentration (37 cr)**
- 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 (3–12 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)

**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 health colleagues in a field situation. The resulting dialogue should enable the future health educator professional health colleagues in a field situation. The educator the opportunity to associate with experienced

**Health Education Minor**
Health, Physical Education and Recreation

**Minor Related to a Major**

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 website.

**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, LECAT6 (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 3011—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)
Integrated Elementary and Special Education B.A.Sc.

Education
Required credits to graduate with this degree: 148.
Required credits within the major: 138.
This program requires summer terms.
Successful completion of the B.A.Sc from the Integrated Elementary and Special Education (IESE) program qualifies students to apply for state licensure to teach K-6 elementary education and K-12 special education in the areas of learning disabilities and emotional behavior disorders. The major also provides a good foundation for programs leading to licensure as an elementary principal or school counselor, employment in public and private schools as well as correctional settings, human service agencies, hospital-based settings and private practice.

An effective teacher should possess a broad background in liberal and professional education. This professional program focuses on the structure of the various disciplines, the child as learner, the learning environment, diverse learners, teaching strategies in a practicum setting, and student teaching experience in both elementary and special education settings. All students complete a common core of courses in elementary and special education with emphasis in assessment, management, reading, math and teaching strategies.

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

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

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.

Application for admission to the program must be filed during the first or second semester of the sophomore year. Requirements include:
- Declaration of major has been filed and accepted.
- Successful completion of 60 hours documented work with children in a professional setting.
- Cumulative and major GPA of 2.70 or higher.
- Letter of application.
- Three recommendations from professionals who have observed the applicant working with children. See Education Department website for form to be completed.
- Evidence the applicant has taken and passed the three sections of the Minnesota Board Teaching required basic skills test.
- Receive a C- or better in all required courses for the major.

For information about UMD admission requirements, visit the UMD Admissions website.

Lower Division Requirements (35 cr)
In addition to courses listed below, students must complete
Lib Ed Category 2 with a MATH or STAT course; Lib Ed Category 4 (GEOG course suggested); Lib Ed Category 9 (English or literature course suggested) plus a geography course if not already taken in Lib Ed Category 4.
ART 2810—Art in Elementary Education, LE CAT10 (3 cr)
ASL 2001—Beginning American Sign Language I, LECED CAT3 (3 cr)
CSD 2230—Introduction to Human Communication Disorders, LECED CAT8 (3 cr)
ECH 2025—Cognitive Development: Theory to Practice (3 cr)
EDUC 1000—Human Development (3 cr)
EDUC 1011—Education in Modern Society, LE CAT7 (3 cr)
ELED 1010—Introduction to Elementary Education (3 cr)
ELED 2001—Diversity and Education Implications (3 cr)
MATH 1141—Mathematics for Elementary Education (4 cr)
SPED 1000—UMD Seminar (1–2 cr)
WRIT 1120—College Writing, LE CAT1 (3 cr)

History requirement
Take 1 or more course(s) from the following:
HIST 1304—US History Part I: 1607-1877, LE CAT7 (3 cr)
HIST 1305—US History Part II: 1865-Present, LE CAT7 (3 cr)

Program Requirements
Students must receive a C- or better in all required courses for the major.

Upper Division Requirement (20 cr)
EDUC 3412 must be taken for 4 credits.
EDUC 3412—The Computer in Education (1–4 cr)
ELED 3331—Children’s Literature in the Elementary School (3 cr)
HPER 3300—Health and Physical Education in the Elementary School (3 cr)
MU 3600—Music in the Elementary Classroom (3 cr)
SPED 4433—Foundations in Special Education (4 cr)
SPED 4434—Teaching Science and Environmental Education II (2 cr)
SPED 4435—Parent and Professional Communication and Collaboration (4 cr)

Block 1 (18 cr)
All courses must be taken concurrently.
ELED 3325—Foundations of Literacy and Language (3 cr)
ELED 4366—Teaching Elementary Social Studies I (3 cr)
SPED 4310—Response to Intervention in the General Education Classroom (4 cr)
SPED 4381—Classroom and Behavior Management (4 cr)
SPED 4435—Parent and Professional Communication and Collaboration (4 cr)

Block 2 (17 cr)
All courses must be taken concurrently.
ELED 3326—Advanced Literacy and Language: Designing and Implementing a Comprehensive Literacy Program (2 cr)
ELED 3355—Elementary Mathematics Methods I (2 cr)
ELED 4344—Teaching Science and Environmental Education I (3 cr)
ELED 4367—Teaching Elementary Social Studies II (2 cr)
SPED 4351—Learning Disabilities Characteristics and Interventions (4 cr)
SPED 4382—Advanced Theory and Practice in Emotional, Behavioral Disorders (4 cr)

Block 3 (17 cr)
All courses must be taken concurrently.
ELED 3356—Elementary Mathematics Methods II (3 cr)
ELED 3381—Teaching American Indian Students in the Elementary Classroom (2 cr)
ELED 4346—Teaching Science and Environmental Education II (2 cr)
ELED 4347—Second Language Acquisition and ELL: How Second Languages are Learned and Methods for Teaching (2 cr)
SPED 4204—Assessment in the General and Special Education Classroom (4 cr)
SPED 4452—Academic Interventions for Students with Disabilities (4 cr)

Block 4 (12 cr)
ELED 3600 must be taken for 12 credits.
ELED 4600—Student Teaching (6–12 cr)

Block 5 (13 cr)
All courses must be taken concurrently; SPED 4600 must be taken for 6 credits.
SPED 4585—Individual Education Plans: Development and Implementation (3 cr)
SPED 4455—Transitional Planning for Adolescents with Disabilities (4 cr)
SPED 4600—Student Teaching (3–12 cr)

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

Education
Required credits to graduate with this degree: 135 to 142.
Required credits within the major: 120.
This program is 9 terms (4 ½ 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 website.

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—UMD Seminar (1–2 cr)

Required Courses Prior to Admission to Program (23–25 cr)

Lower Division
EDUC 1100—Human Diversity, LEC 8 (3 cr)
MATH 1005—College Algebra (5 cr)
MATH or STAT course in category 2 of Liberal Education Program or MTC (3 cr)
COMM recommended course—COMM 1112 or 1 course from the following:
COMM 1xxx
or COMM 2xxx
or COMM 3xxx
Take 3–4 credits from the following:
GEOG 1xxx
or GEOG 2xxx
or GEOG 3xxx
Recommended course HIST 1304 or 1305. Take exactly 3 credits from the following:
HIST 1xxx
or HIST 2xxx
or HIST 3xxx
Recommended course AMIN 1106, LE CAT 9 or take 1 course from the following:
AMIN 1606—Introduction to American Indian Literature, LE CAT 9 (3 cr)
or ENGL 1001—Great American Authors, LE CAT 9 (3 cr)
or ENGL 1101—Literature Appreciation, LE CAT 9 (3 cr)
or ENGL 1575—20th-Century Literature, LE CAT 9 (4 cr)
or ENGL 1582—Introduction to World Literatures, LEIP CAT 9 (4 cr)
or ENGL 1585—Australian and New Zealand Literature and Culture, LEIP CAT 9 (4 cr)
or ENGL 1907—Introduction to Literature, LE CAT 9 (3 cr)

Ojibwe Language (12 cr)
AMIN 1103—Introduction to the Ojibwe Language, LEC CAT 3 (3 cr)
AMIN 1104—Beginning Ojibwe II, LEC CAT 3 (3 cr)
AMIN 2103—Intermediate Ojibwe I, LEC CAT 3 (3 cr)
AMIN 2104—Intermediate Ojibwe II, LEC CAT 3 (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.

For information about UMD admission requirements, visit the UMD Admissions website.

Information in this PDF is current as of February 2011. For up-to-date information, www.catalogs.umn.edu/umd.
Students must successfully complete an Oral Proficiency Interview.

OJED 4203—The Inclusive Classroom (4 cr)
OJED 4202—Minnesota Based Treaties, Sovereignty, and Tribal Government (4 cr)
OJED 4201—Understanding Our Environment and Mother Earth

Students must complete 44 credits before admission to the program.

Block I (18 cr)
OJED 3100—Advanced Ojibwe Grammar and Narrative (4 cr)
OJED 3102—Circle of Life (4 cr)
OJED 3103—Historical and Contemporary Issues in American Indian Education (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)
OJED 3202—Anishinaabe Art, Music and Dance (3 cr)
OJED 3203—Health, Wellness and Movement (3 cr)

Block II (16 cr)
OJED 3101—Circle of Life (4 cr)
OJED 4101—Language, Literacy and Literature (4 cr)
OJED 4102—Oral Tradition and Language Acquisition (4 cr)
OJED 4103—Language, Literacy and Literature (4 cr)
OJED 4104—Professional Development (2 cr)

Block III (14 cr)
Student teaching: students must apply for student teaching the semester prior to student teaching. Applications are available online at www.d.umn.edu/enigikendaaasoyang. 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.

Physical Education B.A.Sc.

Health, Physical Education and Recreation
Required credits to graduate with this degree: 120.

Physical Education B.A.Sc.

Upper Division (37 cr)

ELED 3326—Advanced Literacy and Language: Designing and Implementing a Comprehensive Literacy Program (2 cr)
ELED 4347—Second Language Acquisition and ELL: How Second Languages are Learned and Methods for Teaching (2 cr)
MATH 1141—Mathematics for Elementary Education (4 cr)
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 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)
OJED 3202—Anishinaabe Art, Music and Dance (3 cr)
OJED 3203—Health, Wellness and Movement (3 cr)

Block I (18 cr)
OJED 4100—Conversation 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 (16 cr)
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)

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

Freshmen and transfer students are usually admitted to pre-major status before admission to this major.
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 must complete 44 credits before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major. Because this major is offered in conjunction with the Department of Education, students must meet program admission requirements for the secondary and K-12 programs of that department.

For information about UMD admission requirements, visit the UMD Admissions website.

**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—UMD Seminar (1–2 cr)**

**Lower Division (43 cr)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1001—Biology and Society, LE CAT4</td>
<td>4 cr</td>
</tr>
<tr>
<td>EDUC 1101—Education in Modern Society, LE CAT7</td>
<td>3 cr</td>
</tr>
<tr>
<td>ESAT 2400—Applied Exercise Science (3 cr)</td>
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</tr>
<tr>
<td>HLTH 1300—Health and Wellness Strategies for Life, LE CAT8</td>
<td>3 cr</td>
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<tr>
<td>HLTH 1700—First Responder (3 cr)</td>
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</tr>
<tr>
<td>PETE 1000—Introduction and Foundations of Physical Education (4 cr)</td>
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<tr>
<td>PETE 1001—Teaching Games and Activities (2 cr)</td>
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<tr>
<td>PETE 1002—Teaching Team Sport Activities (2 cr)</td>
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<tr>
<td>PETE 1003—Teaching Outdoor Activities in Physical Education (2 cr)</td>
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<tr>
<td>PETE 1004—Teaching Recreational and Lifetime Activities (2 cr)</td>
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<tr>
<td>PETE 1005—Teaching Physical Fitness Activities (2 cr)</td>
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<td>PETE 1006—Teaching Aquatic Activities (2 cr)</td>
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<td>PETE 1007—Teaching Dance Activities (2 cr)</td>
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<tr>
<td>PETE 1008—Teaching Rhythmic Activities (2 cr)</td>
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<tr>
<td>PSY 1003—General Psychology, LE CAT6 (4 cr)</td>
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<tr>
<td>WRIT 1120—College Writing, LE CAT1 (3 cr)</td>
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</tbody>
</table>

**Program Requirements**

Requirements for the B.A.Sc. in physical education include:

- Completion of courses to total at least 120 credits.
- Completion of at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program section of this catalog, and the advanced writing requirement: WRIT 3140—Advanced Writing: Human Services (3 cr).
- Completion of all courses specified for the major with a minimum 2.50 GPA (including transfer work).
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA in any elected minor.
- A minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.
- Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising 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.

**Upper Division (23 cr)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 3412 (register for 4 cr)</td>
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<tr>
<td>EDUC 3412—The Computer in Education (1–4 cr)</td>
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<tr>
<td>ESAT 3200—Motor Learning and Development (5 cr)</td>
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<tr>
<td>HLTH 3202—Drug Education (2 cr)</td>
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<tr>
<td>PETE 3100—Curricular Approaches in Physical Education (3 cr)</td>
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<td>PETE 3400—Adapted Physical Education (3 cr)</td>
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<tr>
<td>PETE 3500—Student Assessment in Physical Education (3 cr)</td>
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<tr>
<td>WRIT 3140—Advanced Writing: Human Services (3 cr)</td>
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</tbody>
</table>

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

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

**Block I (12 cr)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDSE 4120—Philosophy and Organization of the Middle School (2 cr)</td>
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<tr>
<td>EDSE 4501—Educational Psychology (3 cr)</td>
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<tr>
<td>PETE 4250—Supervised Teaching: College (1 cr)</td>
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<tr>
<td>Take all of the following in the same term.</td>
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<tr>
<td>PETE 4100—Elementary Physical Education Methods (4 cr)</td>
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<tr>
<td>PETE 4125—Apprenticeship: Elementary (2 cr)</td>
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</tbody>
</table>

**Block II (14 cr)**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDUC 4100—Teaching in a Diverse Society (3 cr)</td>
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<tr>
<td>EDUC 4210—Teaching Content-Area Reading (2 cr)</td>
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<tr>
<td>EDUC 4381—Teaching Indigenous Students (2 cr)</td>
<td></td>
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<tr>
<td>PETE 4250—Supervised Teaching: College (1 cr)</td>
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<tr>
<td>Take all of the following in the same term.</td>
<td></td>
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<tr>
<td>PETE 4200—Secondary Physical Education Methods (4 cr)</td>
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<tr>
<td>PETE 4225—Apprenticeship: Secondary (2 cr)</td>
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</tr>
</tbody>
</table>

**Block III (14 cr)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDSE 4600 (register for 6 cr)</td>
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<tr>
<td>EDSE 4650 (register for 6 cr)</td>
<td></td>
</tr>
<tr>
<td>EDUC 4600—Student Teaching (3–12 cr)</td>
<td></td>
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<tr>
<td>EDUC 4500—Professional Issues and Ethics (1 cr)</td>
<td></td>
</tr>
<tr>
<td>ELED 4650—Student Teaching in Individual Subjects: K-8 (1–6 cr)</td>
<td></td>
</tr>
<tr>
<td>PETE 4600—Seminar in Physical Education (1 cr)</td>
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</tr>
</tbody>
</table>

**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.
Required Courses (8 cr)
PETE 3507—Teaching Outdoor Skills II (2 cr)
ENED 4163—Outdoor Education Methods (3 cr)
PE 1530—Rock Climbing, PE (1 cr)
PETE 3509—Teaching Canoeing (1 cr)
PETE 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.

The required courses for the major are:
- SSP 1000—UMD Seminar (1–2 cr)
- Register course for one credit.

Distance Education—Many psychology courses are available online. An online major is available for students who have completed an associate degree in psychology. Students are encouraged to present their research findings at the Twin Ports Undergraduate Psychology Conference or the National Council for Undergraduate Research.

Elective Requirement
Complete all courses to total at least 120 credits.
Complete a minimum of 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.

Honors Requirements—Senior students who have a minimum GPA of 3.80 in all psychology courses and 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 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 website.

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.

SPP 1000—UMD Seminar (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 and Academic Services Office early in their senior year.
Students are required to complete one of the following course groups.

Psychology B.A.Sc.

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)
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, LECAT6 (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 3697—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, LECAT6 (4 cr)
PSY 3082—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, LECAT6 (4 cr)
PSY 2023—Marriages and Families Worldwide, LEIP CAT8 (4 cr)
PSY 2223—Gender in Society, LECAT8 (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 CAT8 (4 cr)
PSY 3010—Internship Preparation (2 cr)
PSY 3011—Internship in Psychology (3 cr)
PSY 3082—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 online major has the same requirements as the regular major with the following exception: PSY 2003 is NOT required.

The research methods courses are considered to be the capstone experience for the program. The requirements for the online major are identical to those of the existing major but are structured to facilitate the delivery in the online medium. The research methods courses require students to design and conduct a study. The online major content has been spread over three semesters to meet the same research objectives as in the traditional program.
Psychology Minor

Psychology

Minor Related to a Major

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 website.

Minor Requirements

Exit requirement: Minimum 2.00 (CEHSP requirement)

Psychology Minor Courses

NOTE: PSY 3020 may be substituted for PSY 2020, but PSY 2020 may not substitute for PSY 3020.

PSY 1003—General Psychology, LE CAT6 (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 CAT6 (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 3697—Sensation and Perception (4 cr)

Psychology Elective Courses (10-12 cr)

PSY courses 2xxx or higher so total equals 26 credits

PSY 2xx
PSY 3xx
PSY 4xx

Recreation—Outdoor Education B.A.Sc.

Health, Physical Education and Recreation

Required credits to graduate with this degree: 120.

Required credits within the major: 94.

This program requires summer terms.

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.

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 website.

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—UMD Seminar (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)
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 before admission to this major.

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 3313—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)
- PETE 3501—Teaching Cross-Country Skiing (1 cr)
- PETE 3507—Teaching Outdoor Skills II (2 cr)
- PETE 3509—Teaching Canoeing (1 cr)
- REC 3327—Large Event Management (3 cr)
- REC 3330—Outdoor Recreation (3 cr)
- REC 4520—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)
- PETE 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
Minor Related to a Major
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 website.

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)
- PETE 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.

Education, English

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 website.

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—UMD Seminar (1–2 cr)

Lower Division (18 cr)

COMM 1112—Public Speaking, LE CAT3 (3 cr)
COMM 1222—Interpersonal Communication, LECD CAT3 (3 cr)
COMM 1500—Media and Society, LE CAT8 (3 cr)
EDUC 1101—Introduction to Modern Society, LE CAT7 (3 cr)
ENGL 1582—Introduction to World Literatures, LEIP CAT9 (4 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 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 must be taken at UMD.
• Registration for student teaching in the senior year requires: 3.00 GPA overall or 3.20 in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; completion of at least 85 percent of teaching major courses.
• Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

Upper Division (77–78)

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

Students must make satisfactory academic progress and demonstrate acceptable professional performance in field experiences. Students must have personal liability insurance while they are working in field placement settings.

EDSE 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 (3–12 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 5081—Teaching Language, Cognition, and Writing (4 cr)
ENGL 5922—Teaching Literature and Communication (5 cr)
HLTH 3202—Drug Education (2 cr)
LING 4802—Applied Linguistics (4 cr)
SPED 3415—Special Education in the Secondary School (3 cr)

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

ENGL 3xxx
ENGL 4xxx

British Period Literature

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

ENGL 5xxx
Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Evidence of completion of this requirement is included in candidates’ professional portfolios. Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required, however, candidates who wish to earn credit may register for EDUC 4991.

Teaching Earth and Space Science B.A.Sc.
Geological Sciences, Education
Required credits to graduate with this degree: 132 to 164.
Required credits within the major: 115 to 147.
This program requires summer terms.
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, resume, letters of recommendation, and a copy of the 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 website.

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—UMD Seminar (1–2 cr)

Required for Admission (3 cr)
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.
• 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 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 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 (55 cr)
AST 1040—Introductory Astronomy, LE CAT5 (3 cr)
BION 1011—General Biology I, LE CAT4 (5 cr)
BION 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)
GEOL 1110—Geology and Earth Systems, LE CAT4 (4 cr)
GEOL 1610—Oceanography, LE CAT5 (3 cr)
GEOL 2110—Earth History (4 cr)
GEOL 2311—Mineralogy (4 cr)
GEOL 2500—Earth’s Resources, LEIP CAT5 (3 cr)
MATH 1250—Pre calculus 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 (54–55 cr)

Registration for student teaching in the senior year requires:
- 2.50 GPA overall and in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s);
- completion (graded) of all education block courses;
- completion of at least 85 percent of teaching major courses.

Students must have personal liability insurance while they are working in field placement settings.

EDUC 3412 (register for 4 cr)
EDSE 4600 (register for 12 cr)
EDSE 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 (3–12 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)
GEO 4110—Advanced Earth Science for Teachers (2 cr)
HLTH 3202—Drug Education (2 cr)
EDSE 3412 (register for 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.

Course From Other Program (3 cr)

WRIT 3140—Advanced Writing: Human Services (3 cr)
or WRIT 3150—Advanced Writing: Science (3 cr)

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 (25 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)

Electives (6 cr)

Pre-approved natural science courses may be substituted.

Take 6 or more credit(s) from the following:

ES 2803—Issues in Global Ecology, LEIP CAT5 (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 website.
College of Education and Human Service Professions

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—UMD Seminar (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. Dept of Foreign Languages and Literatures determines exemptions based on acceptance of transfer credits and work done in secondary school. Students with 3 years of high school French enter the sequence at the intermediate French level and are exempted from FR 1101–1102. Exemption does not necessarily carry credits toward the 120 credits needed for graduation.

EDUC 1101—Education in Modern Society, LE CAT7 (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 CAT3 (4 cr)
FR 2301—Advanced French, LEIP CAT3 (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 through grade 12.
- Degree candidates must complete at least 30 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.
- French majors are exempted from the campus-wide requirement for international perspectives courses; cultural diversity requirement must be met. Study abroad is essential for success in learning French.
- Make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.
- Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

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

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

Student Teaching
Registration for student teaching in the senior year requires:

- 3.00 GPA in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including LANG 4044; completion of at least 85 percent of teaching major courses; having passed the oral proficiency exam and permission from faculty in the foreign languages program.
- Must have personal liability insurance while working in field placement settings.

Upper Division (64 cr)
Some of the upper division French courses may be transferred from another college or earned abroad, but at least two courses must be taken at UMD.

EDUC 3412 (register for 4 cr)
EDUC 4600 (register for 12 cr)
EDSE 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 (3–12 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/umd

Take 20 or more credit(s) from the following:
FR 3xx
FR 4xx
FR 5xx

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 website.

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—UMD Seminar (1–2 cr)

Lower Division (3–25 cr)
Students may be exempted from part or all of the lower division requirements if they have previously completed German language coursework. 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 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 CAT3 (4 cr)
GER 2301—Advanced German, LEIP CAT3 (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 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.
- German majors are exempted from the campus-wide requirement for international perspectives courses; cultural diversity requirement must be met.
- Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

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

Student Teaching
Registration for student teaching in the senior year requires: 3.00 GPA in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including LANG 4044; completion of at least 85 percent of teaching major courses; having passed the oral proficiency exam and permission from faculty in the foreign languages program. Must have personal liability insurance while working in field placement settings.

Upper Division (64 cr)
Some of the upper division German courses may be transferred from another college or earned abroad, but at least two courses must be taken at UMD.
EDUC 3412 (register for 4 cr)
EDSE 4600 (register for 12 cr)
EDSE 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)
College of Education and Human Service Professions

EDSE 4501—Educational Psychology (3 cr)
EDSE 4525—Assessment for Secondary Education Majors (3 cr)
EDSE 4600—Student Teaching (3–12 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.catalogs.umn.edu/umdcourses.

Take 20 or more credit(s) from the following:
GER 3xx
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.

Biology, Education

Required credits to graduate with this degree: 139 to 172.
Required credits within the major: 119 to 155.

This program requires summer terms.
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 grades 5-12.

Students must submit a letter of application, resume, letters of recommendation, and a copy of the 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 website.

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—UMD Seminar (1–2 cr)

Admission Requirement (3 cr)

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 at least 35 credits in liberal education coursework as prescribed in the Liberal Education Program.
- 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 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 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 (56–59 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)
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)

Biology Laboratory (2 cr)

BIOL 2802—Ecology Laboratory (2 cr)
or BIOL 2102—Cell Biology Laboratory (2 cr)
or BIOL 2202—Genetics Laboratory (2 cr)

Chemistry (10–13 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 1153—General Chemistry I (4 cr)
and CHEM 1154—General Chemistry Lab I (1 cr)
and CHEM 1155—General Chemistry II (4 cr)
and CHEM 1156—General Chemistry Lab II (1 cr)
and CHEM 2541—Organic Chemistry I (3 cr)
and CHEM 2543 is desirable but not required
or CHEM 1611—Honors: General Chemistry I, LE CAT4, H (5 cr)
and CHEM 1612—Honors: General Chemistry II, H (5 cr)
and CHEM 2541—Organic Chemistry I (3 cr)
CHEM 2543 is desirable but not required

Upper Division (56–58 cr)
Registration for student teaching in the senior year requires:
  2.50 GPA overall and in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s);
  completion (graded) of all education block courses; and
  completion of at least 85 percent of teaching major courses.

Students must have personal liability insurance while they are working in field placement settings.
EDUC 3412 (register for 4 cr)
EDSE 4600 (register for 12 cr)
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 (3–12 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 (4 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.

Course From Other Program (3 cr)
WRIT 3140—Advanced Writing: Human Services (3 cr)
or WRIT 3150—Advanced Writing: Science (3 cr)

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 31 credits for the environmental education emphasis.

Requirements (25 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 3416—Outdoor Education Methods (3 cr)
HLTH 1650—CPR/AED for the Professional Rescuer (1 cr)
HLTH 1700—First Responder (3 cr)
PETE 3507—Teaching Outdoor Skills II (2 cr)
REC 1203—Outdoor Skills I (2 cr)
REC 1204—Outdoor Skills II (2 cr)
REC 4997—Recreation Practicum (3 cr)

Electives (6 cr)
Pre-approved natural science courses may be substituted.
Take 6 or more credit(s) from the following:
BIOL 3603—Plant Taxonomy (3 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 CAT5 (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.
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 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. Make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.

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

Upper Division (76 cr)

Registration for student teaching in the senior year requires:
2.50 GPA overall and in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; and completion of at least 85 percent of teaching major courses.

Students must have personal liability insurance while they are working in field placement settings.

EDUC 3412 (register for 4 cr)
EDSE 4600 (register for 12 cr)
EDSE 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 (3–12 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 3260—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.  
Chemistry and Biochemistry, Physics, Education  
Required credits to graduate with this degree: 120 to 137. 
Required credits within the major: 115 to 118. 
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) GPA of at least 2.50 overall and in major courses completed at the time of application; 3) taken the Pre-Professional Skills test (PPST); 4) passing scores on a nationally recognized standardized test such as PPST, ACT, or SAT; 5) documented hours working with students in grades 5-12. Students must submit a letter of application, resume, letters of recommendation, and a copy of their APAS report. 

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

For information about UMD admission requirements, visit the UMD Admissions website. 

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—UMD Seminar (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. 
- 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. 
- 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 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 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 (46 cr)  
EDUC 3412 (register for 4 cr) 
EDSE 4600 (register for 12 cr) 
Registration for student teaching in the senior year requires: 2.50 GPA overall and in major courses; grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; completion of at least 85 percent of teaching major courses. 

Students must have personal liability insurance while they are working in field placement settings. 

EDSE 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 4225—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 (3–12 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) 

Advanced Writing (3 cr)  
WRIT 3140—Advanced Writing: Human Services (3 cr) 
or WRIT 3150—Advanced Writing: Science (3 cr)
Program Sub-plans
Students are required to complete one of the following sub-plans.

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 through 8 and to teach physics in grades 9 through 12. One semester of computer programming is recommended for students completing this major.

Lower Division (61-62 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)
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 2021—Relativity and Quantum Physics (4 cr)
PHYS 2022—Classical Physics (4 cr)
PHYS 2023—Classical and Quantum Physics Lab (2 cr)
GEOL 2110—Earth History (4 cr)
or GEOL 2120—The Earth’s Dynamic Interior (3 cr)
or GEOL 3210—Geomorphology (4 cr)

Upper Division (7 cr)
GEOL 4110—Advanced Earth Science for Teachers (2 cr)
PHYS 2033—Classical and Quantum Physics Lab (2 cr)
PHYS 2022—Classical Physics (4 cr)
PHYS 3061—Instrumentation (3 cr)
PHYS 4110—Physics for Science Teachers (2 cr)

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 through 8 and to teach chemistry in grades 9 through 12.

Lower Division (60-61 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 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 2543—Organic Chemistry Laboratory I (1 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)
CHEM 1153—General Chemistry I (4 cr)
CHEM 1154—General Chemistry Lab I (1 cr)
CHEM 1155—General Chemistry II (4 cr)
CHEM 1156—General Chemistry Lab II (1 cr)
GEOL 2110—Earth History (4 cr)
or GEOL 2120—The Earth’s Dynamic Interior (3 cr)
or GEOL 3210—Geomorphology (4 cr)

Upper Division (6 cr)
CHEM 3322—Biochemistry (3 cr)
CHEM 3324—Biochemistry Laboratory (1 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, 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 website.

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—UMD Seminar (1–2 cr)
Teaching Social Studies B.A.A.

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 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.
- 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, LEC 6 CAT6 (4 cr)
- ANTH 1602—Prehistoric Cultures, LEIP CAT7 (4 cr)
- or ANTH 1604—Cultural Anthropology, LEIP CAT6 (4 cr)
- ECON 1003—Economics and Society, LE CAT6 (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 1414—Physical Geography, LE CAT4 (4 cr)
- or GEOG 1304—Human Geography, LEIP CAT7 (4 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 CAT7 (3 cr)
- or POL 1500—Introduction to Comparative Politics, LEIP CAT6 (3 cr)
- or POL 1610—Introduction to Political Theory, LE CAT7 (3 cr)

Upper Division—Non-Western History

Take no more than 1 course(s) totaling no more than 3 credit(s) from the following:
- AMIN 2015—Ojibwe History and Culture (3 cr)
- HIST 2515—Precolonial Africa, LEC 6 CAT7 (3 cr)
- HIST 3616—Society and Culture in 20th-Century Africa (3 cr)
- POL 3570—Politics of Developing Nations (3 cr)
- SPAN 2540—Latino Literatures and Cultures, LEC 6 CAT7 (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.

Education Courses (48 cr)

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

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

Anthropology Sub-plan

Anthropology Emphasis (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.

Economics Emphasis (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
Geography Emphasis (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

Women's Studies Sub-plan
Women's Studies Emphasis (18 cr)
WS 1000—Introduction to Women's Studies, LECD CAT7 (3 cr)
WS 2101—Women, Race, and Class, LECD CAT8 (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)
CRIM 4323—Women and Justice (3 cr)
GEOG 4394—Gender, Space and Culture (4 cr)
HIST 2357—Women in American History, LECD CAT7 (3 cr)
POL 3040—Women and Politics (3 cr)
PSY 2223—Gender in Society, LECD CAT8 (4 cr)
SOC 4947—Sociology of Gender Identities and Systems (3 cr)

Psychology Sub-plan
Psychology Emphasis
Take 18 or more credit(s) from the following:
PSY 2021—Developmental Psychology, LECD CAT6 (4 cr)
PSY 2223—Gender in Society, LECD CAT8 (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
Sociology Emphasis (18 cr)
SOC 4111—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 SO 3831—Organizations and Society (3 cr)
Take 0–1 credit(s) from the following:
SOC 3xxx
SOC 4xxx

History Sub-plan
Take no more than 8 cr in any one subrequirement group.
History Emphasis
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 CAT7 (3 cr)
POL 3040—Women and Politics (3 cr)
PSY 2223—Gender in Society, LECD CAT8 (4 cr)
SOC 4947—Sociology of Gender Identities and Systems (3 cr)

Subrequirement II: European History
Take 0–8 credit(s) from the following:
HIST 2544—The History of Science: Ancients to Newton (3 cr)
HIST 2345—Science and Society: 1500 to Present, LE CAT7 (3 cr)
HIST 2365—Russia in the 20th Century, LEIP CAT7 (3 cr)
HIST 3121—The Age of the Heroes: Homer and his World (3 cr)
HIST 3131—The Roman Republic (3 cr)
HIST 3141—The Roman Empire: The Imperial Republic and Imperial Age to Marcus Aurelius (3 cr)
HIST 3055—The Ancient Near East (3 cr)
HIST 3151—Ancient Egyptian Culture (3 cr)
HIST 3939—Europe in the Age of Renaissance and Reformation: 1348-1648 (3 cr)
HIST 3940—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 3133—From Homer to Alexander: Archaic and Classical Greece (3 cr)
HIST 3035—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 2515—Precolonial Africa, LECD CAT7 (3 cr)
HIST 2325—Muslim Societies, LEIP CAT7 (3 cr)
HIST 3615—Modern Africa (3 cr)
HIST 3616—Society and Culture in 20th-Century Africa (3 cr)
HIST 3825—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

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 website.

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 CAT3 (4 cr)
SPAN 2301—Advanced Spanish, LEIP CAT3 (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 immediately before graduation must be taken at UMD.
• Degree candidates must complete at least 30 degree credits at UMD. At least 20 of the last 30 degree credits 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).

Required credits within the major: 107.
Required credits to graduate with this degree: 137 to 138.

B.A.Sc.
Unified Early Childhood Studies

Education
Required credits to graduate with this degree: 137 to 138. Required credits within the major: 107. This program requires summer terms.

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 website.

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—UMD Seminar (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, LECAT8 (3 cr)
EDUC 1105—Education in Modern Society, LE CAT7 (3 cr)
EDUC 1000—Human Development (3 cr)
SPY 2021—Developmental Psychology, LECAT6 (4 cr)
SOC 1201—Sociology of the Family, LECAT8 (3 cr)
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) GPA of 2.00 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 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.

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

Students must obtain personal liability insurance while working in programs.

Upper Division (86 cr)

Student teaching: application for student teaching must be made by the fourth Friday of the semester before student teaching. Applications are available from the Department of Education website. All incompletes must be cleared before filing the application. Students must have a 2.70 GPA and grades of C- or better in all required courses in the major to be eligible for student teaching.

EDUC 3412—register for 4 cr
ECH 4600—register for 12 cr
SPED 4600—register for 6 cr
CSD 3130—Language Development and Disorders (4 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 and Emergent Literacy: Birth—Age 8 (4 cr)
ECH 3060—Teaching Culturally and Linguistically Diverse Children (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 Education (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 Sub-plan

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.