



This is the Education and Human Service Professions section of the 2005-2007 Duluth Catalog for the University of Minnesota

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The College of Education and Human Service Professions is dedicated to preparing highly qualified professionals in education and human service fields.

College of Education and Human Service Professions (CEHSP)

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

Associate Dean: Jackie Millsagle
117 Bohannon Hall, 218-726-7191

The faculty and administrative officers of the College of Education and Human Service Professions are dedicated to preparing highly qualified leaders. Students are prepared for employment in industry, school and non-school educational settings, community agencies, and government.

Five departments work cooperatively to achieve the purposes of the college in teaching, research, service, and program development. The office of the dean is responsible for programmatic leadership, curricula, and for recommending graduates for licensure. The departments that have responsibility for degree and licensure programs are Communication Sciences and Disorders; Education; Health, Physical Education and Recreation; Psychology; and Social Work.

Teacher Licensure Programs

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

Admission to Upper Division Programs

With the exception of psychology, 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. Standards for admission are set by the individual departments, and students should consult their adviser or department office for information. Once admitted, students remain in the program as long as minimum GPA requirements for graduation are maintained. Students who fall below the minimum are monitored by their advisers.

Academic Standing

Good Academic Standing

Students who have 20 or more completed credits (including credits outside the University and credits by exam) must have a 2.00 minimum cumulative GPA to be in good academic standing in CEHSP. Students who have attempted fewer than 20 credits (at UMD or elsewhere) must have a 1.80 minimum cumulative GPA to be in good academic standing. Credits taken outside the University are not calculated into the University GPA.

Probation

Students with a cumulative GPA lower than that required for good academic standing are placed on academic probation. Students on academic probation have one semester of attendance to attain the overall GPA required to avoid dismissal. Students should consider a lighter load or repeating courses with D or F grades to improve their GPA. Probationary students are strongly encouraged to seek advice from their faculty adviser or staff in the college's Student Affairs Office.

Dismissal

Students who fail to attain the required minimum cumulative 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 GPA for good academic standing has been attained through UMD Continuing Education. Students who have been academically dismissed must receive permission from the college office in order to register through Continuing Education. Students may not make up grade point deficiencies outside the University of Minnesota. Petition information is available at the CEHSP Student Affairs Office, 113 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 Student Affairs Office, 113 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 cumulative GPAs required for the three honors categories are available at the college's Student Affairs Office. The minimum GPAs necessary to achieve these honors are established on the basis of the record of the previous year's graduating class.

All transfer credits that are counted toward meeting graduation requirements at UMD must be included in calculating the cumulative GPA for honors purposes. Grades in transfer courses cannot qualify a student for honors if the cumulative GPA for UMD credits does not merit honors, and they cannot qualify a student to earn a higher honors classification than that earned on the basis of UMD credits. UMD credits include those earned through day school, Continuing Education, and summer session.

Student Affairs Office

Information about admission, orientation, advising, scholastic standing, change of college, change of major, graduation honors, and grievance and appeal procedures may be obtained from the CEHSP Student Affairs Office, 113 Bohannon Hall (218-726-7156). Applications for Minnesota state licensure are also available in this office.

Continuing Education (CE)

The college coordinates CE courses, conferences, and institutes in conjunction with CE. Both undergraduate- and graduate-level credits may be earned through CE. For more information, contact CE, 104 Darland Administration Building (218-726-6797).

Degrees Offered

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

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

Majors

Teaching communication arts/literature
 Teaching French
 Teaching German
 Teaching social studies (with one of the following concentrations)
 Anthropology
 Economics
 Geography
 History
 Political science
 Psychology
 Sociology
 Women's studies
 Teaching Spanish

Majors in art education—K-12 for the B.F.A. degree and in music education—K-12 for the B.M. degree are available through the School of Fine Arts.

Bachelor of Applied Science (B.A.S.)

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

Majors

Athletic training
 Communication sciences and disorders
 Elementary/middle school teacher education
 Exercise science (with one of the following concentrations)
 Health and fitness
 Exercise and sport science
 Special area of interest
 Health education (with one of the following concentrations)
 Community health
 School health
 Physical education
 Psychology
 Recreation—outdoor education
 Teaching earth and space sciences
 Optional environmental education concentration
 Teaching life science
 Optional environmental education concentration
 Teaching mathematics
 Teaching physical sciences (with one of the following concentrations)
 Chemistry
 Physics
 Unified early childhood studies

Minors

Coaching
 Health education
 Psychology
 Recreation—outdoor education
 Special education
 Teaching communication arts/literature (elementary/middle school)
 Teaching French (elementary/middle school)
 Teaching German (elementary/middle school)
 Teaching mathematics (elementary/middle school)

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Teaching science (elementary/middle school)
Teaching social studies (elementary/middle school)
Teaching Spanish (elementary/middle school)

Teaching minors can only be combined with the elementary/middle school major.

For other minors available to students receiving a B.A.A. or B.A.S., see Labovitz School of Business and Economics, School of Fine Arts, College of Liberal Arts, and College of Science and Engineering.

Degree Requirements—B.A.A. and B.A.S. 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** as required by individual departments.
- A 2.00 minimum GPA (or higher as required by individual programs) in all work attempted in residence at UMD and in the college, and a 2.00 minimum (or higher as required by individual programs) overall GPA including credits transferred from outside UMD.
- 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 Student Affairs 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.S.) must fulfill the major requirements for both degrees.

Collegiate Graduate Programs

125 Bohannon Hall, 218-726-7442

Collegiate graduate programs require a minimum of 30 semester credits at 5xxx or above, which have not been used to fulfill an undergraduate requirement, or 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 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 M.Ed. program offers professional development for those in education or human service professions: classroom teachers, educators in specialized areas, and professionals with training responsibilities in health sciences, social services, and community education. The curriculum is aligned with the core propositions of the National Board for Professional Teaching Standards. This two-year program uses the cohort model and combines traditional classroom experience and distance education delivery systems, allowing professionals to remain employed full-time while completing the advanced degree. M.Ed. courses establish a knowledge base that incorporates the college's philosophy of the full integration of reflection, empowerment, diversity, and collaboration. The M.Ed. consists of core courses, electives, and a final project.

The M.Ed. in environmental education is an area of the M.Ed. program designed for college graduates who plan to work as environmental educators in diverse settings such 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, teaching methodology issues and diversity; specialty courses in at least two of the following areas: ecological content, sociological understanding, psychology, technology, learning theory and application, curriculum design, or research design, methods, and analysis; and thesis.

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

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

The program operates as a cohort of graduate candidates who take 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.

Graduate School

The M.A. in communication sciences and disorders prepares students for professional licensure or certification in speech-language pathology, audiology, or education of the hearing impaired. A master of social work (M.S.W.) is also available. For more information, see Graduate School.

Departments

Communication Sciences and Disorders

Professor: Mark I. Mizuko (department head); *Associate Professors:* Faith C. Loven, Cindy S. Spillers; *Assistant Professors:* Kent Brorson, Amy Meredith; *Instructors:* Denise Bussa, Lynda John, Rachael Komarek, Joanne Langdon Larson, LaVonne Levar (clinic coordinator), Jana Olson

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 (Engl); *Associate Professors:* Francis A. Guldbrandsen, Nedra A. Hazareesingh, June E. Kreutzkamp, Helen Mongan-Rallis, Bruce H. Munson (department head), Thomas D. Peacock, Terrie M. Shannon, Kay Wohlhuter; *Assistant Professors:* Gary Babiuk, Susan Damme, Linda Grover, Mary Hermes, Trudie Hughes, Susan Larson Kidd, Mary Ann Marchel, Molly Minkinen, Changaa Mwet, Jacqueline Onchwari, Lyn Clark Pegg, Jean Stevenson, Joyce Strand, Joan Varney, Mary Wright, Ji Yoon Yoon; *Instructors:* Elizabeth Albert-Peacock, Virginia Aldag, Glenn Corbett, Jane Dietrich, Daniel Glisczinski, Jody Langseth, Lorraine Mitchell, Geraldine Nierengarten, Kim Riordan, Pamela Roth, Elizabeth Ruark, Julie Williams

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

The mission of the Department of Education is to prepare learner-sensitive educators with the knowledge, skills, and dispositions 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: diversity, collaboration, reflection, empowerment, and technology.

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

Health, Physical Education, and Recreation

Professor: Eugene S. Ley; *Associate Professors:* Lori Dewald, Kenneth Gilbertson, John R. Keener, Georgia L. Keeney, Edmond F. Lundstrom, Duane Millslagle, Mark E. Nierengarten (department head); *Assistant Professors:* Jane Carlson, Donald Collins, Julie Ernst, John P. Kowalczyk, Morris Levy, Ladona Tornabene; *Instructors:* Thomas Beery, Elizabeth Fleissner, Charlene Harkins, Kenneth Harkins, James Knapp, Patricia Wendinger

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 of 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. 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 profession. Programs, majors, and certifications are described in alphabetical order in this section of the catalog under these headings: Coaching Minor, Athletic Training (B.A.S.), Exercise Science (B.A.S.), Health Education (B.A.S.), School and Community

Options), Physical Education (B.A.S.), and Recreation (B.A.S.). Students should check the admission and graduation requirements for each of the individual programs.

Psychology

B.A.S.

Professors: Aydin Durgunoglu, Randall A. Gordon, Bud A. McClure (department head), Kristelle Miller, Uwe H. Stuecher; *Associate Professors:* Helen M. Doane, Eugene E. Grossman, Jane C. Hovland, Robert L. Lloyd, Sandra J. Woolum; *Assistant Professors:* Brandon Alderman, Mark Langenfeld, Alexandra Luong, Fay E. Maas, Paula Pedersen; *Instructors:* Joie B. Acheson, George Avery, Brenda Butterfield, Karen Lohn, Karen Marsh

The Department of Psychology offers the B.A.S. in psychology.

Social Work

M.S.W.

See the *Graduate School* section of this catalog.

Professors: Dennis Falk, Melanie Shepard; *Associate Professors:* Priscilla Day, Kathleen Nuccio, Mike Raschick; *Assistant Professors:* Lynn Bye, Donald E. Carpenter, Anne Tellett; *Instructor:* Kathleen Heltzer

The mission of the Department of Social Work is: 1) to promote the well-being of all individuals, families, groups, and communities; and 2) to advance social justice through teaching, research, and service. The department provides student-centered graduate social work education to prepare advanced practitioners for northern Minnesota and beyond. Priorities of the department include preparing culturally competent advanced generalist social workers, emphasizing services with American Indians and their communities, services to children and families, and social work education for practice in rural settings.

Teacher Licensure Requirements

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

Requirements for a teaching license include:

- A baccalaureate degree

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

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

Communication arts/literature (5-8, 9-12)
Early childhood education (birth-grade 3)
Elementary education (K-6) + communication arts/literature (5-8 specialty)
Elementary education (K-6) + mathematics (5-8 specialty)
Elementary education (K-6) + science (5-8 specialty)
Elementary education (K-6) + social studies (5-8 specialty)
Elementary education (K-6) + world language and cultures—French (K-8 specialty)
Elementary education (K-6) + world language and cultures—German (K-8 specialty)
Elementary education (K-6) + world language and cultures—Ojibwe (K-8 specialty)
Elementary education (K-6) + world language and cultures—Spanish (K-8 specialty)
Health education (5-12)
Instrumental and classroom music (K-12)
Mathematics (5-8, 9-12)
Physical education (K-12)
Physics (9-12)
Science (5-8)/chemistry (9-12)
Science (5-8)/earth science (9-12)
Science (5-8)/life science (9-12)
Science (5-8)/physics (9-12)
Social studies (5-8, 9-12)
Special education early childhood (birth-age 6)
Special education emotional behavioral disorders or learning disabilities (K-12)
Visual arts (K-12)
Vocal and classroom music (K-12)
World languages and cultures—French (K-12)
World languages and cultures—German (K-12)
World languages and cultures—Spanish (K-12)

Global Student Teaching

CEHSP offers prospective teachers the opportunity to complete student teaching requirements in several regions of the world through a partnership with University of Minnesota Morris Global Student Teaching (GST). Interested students must submit the GST application along with the UMD student teaching application. Details are available on the Department of Education Web site 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 by those who wish to upgrade a teaching minor to a teaching major.

Information about this program may be obtained from the Student Affairs Office for CEHSP.

Applicants need to provide transcripts for their baccalaureate degrees. A formal assessment of their coursework is carried out and a program of studies is designed that permits the applicant to meet the requirements for Minnesota teacher licensure in the desired area of teaching.

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

License Application

Teaching license applications may be obtained from the CEHSP Student Affairs Office, 113 Bohannon Hall (218-726-7156). The completed application, required fees, evidence of passing scores on all tests required by the Board of Teaching, Federal Bureau of Investigation (FBI) background check, finger printing, and official transcripts must be submitted before action by the college licensure officer and transmittal to the Minnesota Teacher Personnel Licensing office.

For more information, see program descriptions for the individual teaching majors and special licensure fields. Secondary and K-12 teaching majors should also consult the requirements listed in the Department of Education section.

Degree and Licensure Programs

Athletic Training B.A.S.

Athletic training includes the evaluation, treatment, rehabilitation, and prevention of injuries occurring to the physically active. The B.A.S. 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 at a UMD affiliated clinical site.

Students in the athletic training program are expected to abide by the NATA Code of Ethics and maintain a membership in the National Athletic Trainers Association.

A detailed athletic training education program policies and procedures manual, including learning goals and objectives, and technical standards for the program, is available in the HPER Department Office, 110 Sport and Health Center.

Admission Requirements

Students are admitted to UMD as pre-athletic training majors and apply for admission to the major in the spring semester of their freshman year. This is a competitive entry program.

Application to the athletic training education program requires:

- Completion of program application form.
- Official high school transcripts and transcripts of any college courses previously taken on file with the University.
- Grade of B- or better in ESAT 2610—Introduction to Athletic Training.
- Proof of current American Red Cross First Aid and American Red Cross CPR certification from the Professional Rescuer series.
- Two letters of recommendation (non-University personnel).
- Cumulative GPA of 2.50 or higher.
- Completion of 50 hours of directed clinical observation in the Athletic Training Center and Educational Lab.

Admissions Committee—The Admissions Committee considers applications. In addition to requirements stated above, admission is based on personal qualities (enthusiasm,

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punctuality, reliability, positive reaction to criticism, respected relations with peers and staff, professional image, and character). All candidates are interviewed by the Admissions Committee.

Applications are only accepted for fall admission. The application process must be completed by March 1. Admission Committee interviews are completed by April 15, followed by notification to students. The number of students selected for admission each year varies based on the available clinical sites and approved clinical instructors.

Academic Progress

Students admitted to the program must register for a minimum of 12 credits per semester, must maintain a 2.50 cumulative GPA, and continue to exhibit the personal qualities required for admission to the program. Students whose cumulative GPA falls between 2.25 and 2.49 are placed on department academic probation and removed from the clinical experience portion of the program. Students whose cumulative GPA falls below 2.25 are academically suspended from the major and removed from the clinical portion of the program.

Degree Requirements

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3 cr) or Comp 3150—Advanced Writing: Science (3 cr)
- Program requirements including didactic and clinical components

Athletic training majors must complete both the didactic and clinical components to meet the minimum requirements to qualify for the National Athletic Trainers Association Board of Certification (NATABOC) exam. In addition to NATABOC certification, many states require either state licensure, registration, or certification to practice athletic training in the state of employment.

Didactic and Clinical Component Requirements

Courses for the didactic and clinical components of the program should be taken in the sequence outline below. The clinical education component is a six-semester experience that begins in the fall semester of the sophomore year. It includes two, seven-week rotations per semester (12 rotations total). The rotations include area high schools, two area colleges or universities, and the UMD athletic training center.

Fall Semester Freshman Year

ESAT 2610—Introduction to Athletic Training (3)
Hlth 1100*—Health and Wellness Strategies for Life (3)

Spring Semester Freshman Year

Hlth 1470*—Human Nutrition (3)

Fall Semester Sophomore Year

ESAT 2620—Athletic Emergency Care (2)
ESAT 2697—Clinical Experiences in Athletic Training I (1)
Hlth 2030—Applied Human Anatomy (4)

Spring Semester Sophomore Year

ESAT 2698—Clinical Experiences in Athletic Training II (1)
ESAT 3600—Fundamentals of Athletic Training Evaluation (3)
Hlth 2040—Principles of Human Physiology (4)

Fall Semester Junior Year

ESAT 3300—Human Biomechanics (4)
ESAT 3630—Upper Extremity Injuries (3)
ESAT 3640—Therapeutic Modalities (3)
ESAT 3697—Clinical Experiences in Athletic Training III (2)

Spring Semester Junior Year

ESAT 3210—Exercise Adherence (4)
ESAT 3400—Exercise Physiology (4)
ESAT 3632—Lower Extremity Injuries (3)
ESAT 3642—Therapeutic Exercise (3)
ESAT 3698—Clinical Experiences in Athletic Training IV (2)

Fall Semester Senior Year

ESAT 3410—Performance Nutrition and Weight Management (4)
ESAT 3420—Exercise Testing and Prescription (4)
ESAT 4001—Pharmacology in Athletic Training (2)
ESAT 4646—Medical Aspects of Athletic Training (3)
ESAT 4650—Administrative Aspects of Athletic Training (3)
ESAT 4697—Clinical Experiences in Athletic Training V (2)

Spring Semester Senior Year

ESAT 3430—Principles of Strength and Conditioning Programs (4)
ESAT 4600—Senior Seminar in Athletic Training (3)
ESAT 4698—Clinical Experiences in Athletic Training VI (2)

Required Courses From Other Programs

Biol 1011*—General Biology I (5)
Chem 1102*—Aspects of Chemistry with Lab (4)
Math 1160*—Finite Mathematics and Introduction to Calculus (5)
Phys 1001*—Introduction to Physics (5)
Psy 1003*—General Psychology (4)
Psy 3020—Statistical Methods (4)

* Courses that may be used to fulfill UMD liberal education program requirements.

Additional Financial Costs

Students accepted into the athletic training major will incur additional costs that include UMD athletic training shirts, sweaters, and jackets. Khaki slacks and shorts and appropriate athletic shoes and socks must also be purchased. In some instances, students are required to wear dress clothes as determined by the dress code of a particular sport team. An athletic training medical supply personal pack/kit is required. Students must travel to state, district, and national professional meetings. Costs vary by geographical location but involve travel, registration, housing, and food while attending meetings.

Transfer Policy

Transfer course equivalencies are not accepted for any required ESAT course. After admission to UMD, all program admission requirements as stated above are applicable. Transfer students should plan for a minimum of six semesters in the program, regardless of the number of credits completed at the transfer institution.

Coaching Minor Only

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

Requirements (21 cr)

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

Required Courses

CC 3101—Sports Science Applications (3)
 or PEP 3035—Physiology and Mechanics of Physical Activity (3) *
 CC 3117—Functional Anatomy and Sports Injury Management (3)
 CC 3150—Coaching Methods (3)
 CC 3160—Psychological Aspects of Coaching (3)
 CC 3161—Administrative Aspects of Coaching (3)
 CC 3997—Coaching Practicum (2)

Four credits from:

CC 3170—Coaching and Officiating Football (2)
 CC 3171—Coaching and Officiating Basketball (2)
 CC 3172—Coaching and Officiating Volleyball (2)
 CC 3173—Coaching and Officiating Baseball (2)
 CC 3174—Coaching and Officiating Soccer (2)
 CC 3175—Coaching and Officiating Ice Hockey (2)
 CC 3177—Coaching and Officiating Tennis (2)
 CC 3178—Coaching and Officiating Track and Field (2)
 CC 3179—Coaching and Officiating Softball (2)

** Physical education majors only.*

Communication Sciences and Disorders

B.A.S.

The undergraduate major 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 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.

Maintenance Standards

Undergraduates, with approved candidacy papers, 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. Students on probation have one semester

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(including day school, Continuing Education, and summer school) 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 and cannot enroll in further CSD courses. They also cannot complete their undergraduate degree in communication sciences and disorders at UMD. Undergraduates are placed on academic probation only once before being dismissed from the program.

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

Minnesota School Licensure

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

Professional Certification

Students interested in professional certification in speech-language pathology or audiology should consult with the Department of Communication Sciences and Disorders. They also should refer to the Graduate School section of this catalog for a description of the master of arts program in communication sciences and disorders.

Accreditation

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

Degree Requirements

The B.A.S. degree program (120 credits) provides students with a foundation in human communication processes and communication disorders. Students must complete:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services *or* Comp 3150—Advanced Writing: Science *or* Comp 3160—Advanced Writing: Social Sciences (3)
- Major requirements (71-76 credits)

Required Courses

CSD 1100*—Phonetics (2)
CSD 2230*—Human Communication Disorders (3)

CSD 3103—Anatomy of Speech and Hearing Mechanisms (3)
CSD 3131—Language Development (4)
CSD 3150—Fundamentals and Clinical Applications of Speech Science (3)
CSD 3160—Fundamentals of Hearing Science (3)
CSD 3200—Articulation and Phonological Disorders (3)
CSD 3232—Language Disorders (3)
CSD 3241—Foundations of Treatment in Communication Disorders (3)
CSD 4010—Portfolio Development (1)
CSD 4142—Introduction to Diagnostics of Communication Disorders (2)
CSD 4197—Clinical Practicum in Communication Disorders (3)
CSD 4200—Introduction to Fluency Disorders (3)
CSD 4400—Hearing Disorders and Evaluation (3)

Required Courses From Other Programs

Biol 1011*—General Biology I (5)
or Biol 1001*—Biology and Society (4)
Comm 1112*—Public Speaking
or Comm 1222*—Interpersonal Communication (3)
Phys 1001*—Introduction to Physics I (5)
or Phys 1011*—Ideas in Physics (3)
Psy 1003*—General Psychology (4)
Psy 2021*—Developmental Psychology (4)
Psy 3020—Statistical Methods (4)
or Stat 1411*—Introduction to Statistics (3)
One social science course from approved department list

Electives (8 cr)

CSD 2001*—American Sign Language Studies I (3)
CSD 2002*—American Sign Language Studies II (3)
CSD 4097—Introduction to Clinical Practicum in Communication Disorders (1)
CSD 4297—Advanced Clinical Practicum in Communication Disorders (3)
CSD 5000—Departmental Seminar (1-3)
CSD 5003—American Sign Language Studies III (3)
CSD 5004—American Sign Language Studies IV (3)
CSD 5005—American Sign Language Studies V (3)
CSD 5091—Independent Study (1-3)
CSD 5098—Communication Sciences and Disorders Workshop (1-3)
CSD 5400—Rehabilitative Procedures for the Hard of Hearing (3)
or Students who wish to obtain a Minnesota Educational Speech-Language Pathology license must complete a masters in communication disorders from an ASHA accredited program. The department also recommends a public school practicum and any two of the following courses which can be used as electives in the major.
ECh 5010—Programs for Education of Young Children: Birth-Age Eight (4)
ECh 5050—Observing and Guiding Behavior: Birth-Age Eight (4)
Educ 5340—Interacting With Diverse Families (3)
Educ 5381—Teaching American Indian Students (2)
Educ 5650—Families in Crisis (3)

- EdSe 4100—Human Relations in Classrooms (2)
 SpEd 5103—Infants and Toddlers With Special Needs (4)
 SpEd 5105—Young Children With Special Needs: Ages 3-8 (4)
 SpEd 5381—Behavior Management Principles and Practices (4)
 SpEd 5382—Advanced Theory and Practice in Emotional/Behavioral Disorders (4)
 SpEd 5433—Foundations in Special Education (4)
 SpEd 5435—Parent and Professional Communication and Collaboration (4)

Other Electives

- Biol 1761—Human Anatomy (4)
 Hlth 2040—Principles of Human Physiology (4)
 Ling 1811*—Introduction to Language (3)
 Phil 2011*—Philosophy of Language (3)
 Psy 2023*—Marriages and Families Worldwide (4)
 Psy 3524—Basic Helping Skills (4)
 Psy 3661—Psychology of Language (3)
 Soc 1201*—Sociology of the Family (3)
 SpEd 1357*—Individuals With Disabilities in Society (3) or other courses approved by academic adviser

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

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

Elementary/Middle School Teacher Education

B.A.S.

Successful completion of this program qualifies students to apply for state licensure to teach grades K-8 in any Minnesota elementary school. The major also provides a good foundation for programs leading to licensure as a special educator, an elementary principal, or an elementary school counselor or for non-school-related occupations requiring skill in working with children.

An effective elementary school teacher should possess a broad background in liberal and professional education. This professional program focuses on the structure of the various disciplines, the child as learner, the learning

environment, diverse learners, teaching strategies in a practicum setting, and a semester of student teaching experience. As part of the program, students are required to complete an approved minor for elementary/middle school.

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

Admission and Academic Progress

Students are admitted to UMD as pre-elementary education majors. After completing lower division requirements outlined in the elementary education admission packet, students must apply for admission to the elementary/middle school education program. Students are responsible for obtaining a copy of the most recent admissions packet, available on the Department of Education Web site at www.d.umn.edu/educ, and may apply only after having met all criteria listed in the packet.

Once students are admitted to the elementary/middle school education program, they must maintain required standards. Students' progress is monitored in a variety of ways including academic progress (grades of C- or better in all required courses in the major and minor), professional dispositions, and teaching skills during field experiences. Meetings to discuss individual student progress are convened if concerns related to academic and/or professional behavior are raised by either faculty, staff, and/or cooperating teachers in the field. Students who do not meet program expectations may be dropped from the program.

Special Needs

Students who need accommodations because of a disability or a special need should consult their program adviser and Disability Services and Resources.

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 a candidates' professional portfolios.

Students must meet this requirement after they take Educ1101*—Education in Modern Society and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for Educ 4991—Independent Study.

Student Teaching

Application for student teaching must be made by the fifth Friday of the semester before student teaching. Applications are available in 120 Montague Hall or at www.d.umn.edu/educ. All incompletes must be cleared before filing the application. Students must have a minimum GPA of at least 2.70 to be eligible for student teaching. Students are responsible for scheduling an appointment with their adviser to document fulfillment of all prerequisites, including completion of all elementary major courses except for Educ 4500 and EIED 4600, which are taken concurrently.

Student teaching assignments are made by the Office of Field Experiences. Students must have completed all professional courses before student teaching. Faculty determine if students may teach outside of the Duluth area or abroad.

Exit Standards

Before being recommended for licensure, students must demonstrate satisfactory performance outcomes required by the program, have grades of C- or better in all required courses in the major and in the minor, have acceptable ratings from both the classroom and University supervisors for all field experiences, including student teaching performance, and complete a portfolio documenting competence in the Minnesota and national Standards of Effective Practice. Portfolios are evaluated by University supervisors, then shared with classmates and faculty at a gathering at the end of semester. Students must pass all tests required by the Minnesota Board of Teaching.

This program prepares students for a K-8 teaching license in the state of Minnesota. Students planning to teach in other states should be aware that licensure requirements may vary somewhat from state to state.

Degree Requirements

- Liberal education requirements.
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)
- Major requirements
- A teaching minor. Select from:
 - American Indian studies—Ojibwe language (27-28 cr) (see CLA section, page 142)
 - Teaching communication arts/literature (elementary/middle school) (26 cr)
 - Teaching French (elementary/middle school) (20–40 cr)
 - Teaching German (elementary/middle school) (20–40 cr)
 - Teaching mathematics (elementary/middle school) (21–23 cr)
 - Teaching science (elementary/middle school) (23–27 cr)
 - Teaching social studies (elementary/middle school) (26 cr)
 - Teaching Spanish (elementary/middle school) (20–40 cr)

Requirements for the teaching minors follow requirements for the major below.

Required Courses

Lower Division (35 cr)

A course with a Math or Stat designator is required (in addition to Math 1141). Math 1005 does not fill this requirement. (3–5 cr)

A course with a Comm designator (Comm 1112—Public Speaking recommended) (3 cr)

A course with a Geog designator (3-4 cr)

A course with a Hist designator (Hist 1304* or 1305*—U.S. History recommended) (3 cr)

Art 1002*—Introduction to Art (3)

Educ 1000—Human Development (3)

Educ 1100*—Human Diversity (3)

Educ 1101*—Education in Modern Society (3)

EIED 1010—Introduction to Elementary Education (3)

Math 1141—Mathematics for Elementary Education (4)

Mu 1601—Music Fundamentals (1)

Select a literature course from:

Engl 1001*—Great American Authors (3), Engl 1101*—Literature Appreciation (3), Engl 1575*—20th-Century Literature (4), Engl 1582*—Introduction to World Literatures (4), Engl 1585*—Australian and New Zealand Literature and Culture (4), Engl 1907*—Introduction to Literature (3), AmIn 1106*—American Indian Prose, Poetry, and Oratory (3)

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

Upper Division (63 cr)

- Art 3810—Art in Elementary Education (2)
- ECh 3006—Early School Years (2)
- Educ 3412—The Computer in Education (4)
- EdSe 5120—Philosophy and Organization of Middle Schools (2)
- Hlth 5161—School Health Programs: Early Childhood Through Middle School (2)
- Mu 3601—Elementary School Music Teaching (2)
- PEP 3126—Elementary School Physical Education (2)
- Block I—(all must be taken concurrently) (17 cr)**
- EIEd 3113—Learning Environments and Diverse Learning Communities (3)

- EIEd 3325—Language and Literacy (4)
- EIEd 3331—Children’s Literature and Integrated Creative Arts (4)
- EIEd 3355—Critical Thinking: Elementary Mathematics (4)
- EIEd 4400—Professional Development Seminar for Elementary Education Majors (1)
- SpEd 3310—Introduction to Special Education for Elementary Education (1)

Block II—(all must be taken concurrently) (17 cr)

- EIEd 3381—Teaching American Indian Students in the Elementary Classroom (2)
- EIEd 4344—Teaching Science and Environmental Education (4)
- EIEd 4345—Instructional Strategies, Assessment, and Management (3)
- EIEd 4366—Teaching Social Studies and Environmental Education (4)
- SpEd 5310—Adapting for Diverse Learners in General Education Settings (4)
- Block III—(all must be taken concurrently) (13 cr)
- Educ 4500—Professional Issues in Teaching (1)
- EIEd 4600—Student Teaching (12)

** Courses that may be used to fulfill UMD liberal education program requirements.*

Exit Standards

Students must successfully complete a semester of student teaching experience and must demonstrate other competencies required for Minnesota teacher licensure.

Elementary/Middle School Minors

Students with a major in elementary/middle school education who complete any of the following minors will be licensed to teach in that area from kindergarten through grade eight. **These minors are for licensure and can only be taken in connection with the elementary/middle school major.**

Teaching Communication Arts/Literature Minor Requirements (26 cr)

- EdSe 4212—Literature for Adolescents (3)
- Engl 1582*—Introduction to World Literatures (4)
- Engl 3501—British Literature I (4)
or Engl 1535—King Arthur in History, Literature, and Art (4)*
- Engl 3563—American Literature I (4)
- Engl 3564—American Literature II (4)
- Engl 5902—Teaching Language, Cognition, and Writing (4)
- Ling 1811*—Introduction to Language (3)

Teaching French Minor Requirements (20–40 cr)

The core program in language skills (listening, speaking, reading, and writing) is common to all French majors and minors. Students may be exempted from part of the core requirement if they have previously completed studies in French. Exemption is negotiated with the department and is based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school French would enter the sequence at the intermediate French level and be exempted from French 1101-1102.

- Fr 1101*—Beginning French I (4)
- Fr 1102*—Beginning French II (4)
- Fr 1201*—Intermediate French I (4)
- Fr 1202*—Intermediate French II (4)
- Fr 2301*—Advanced French (4)

- Lang 4044—Language Teaching Methods (4)
- Upper division French courses (16 cr)

A student minoring in teaching French must pass an oral proficiency exam in French, which may be repeated until successful completion is achieved. Study abroad is considered essential for success in learning French.

Teaching German Minor Requirements (20-40 cr)

The core program in language skills (listening, speaking, reading, and writing) is common to all German majors and minors. Students may be exempted from part of the core requirement if they have previously completed studies in German. Exemption is negotiated with the department and is based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school German would enter the sequence at the intermediate German level and be exempted from German 1101-1102.

- Ger 1101*—Beginning German I (4)
- Ger 1102*—Beginning German II (4)
- Ger 1201*—Intermediate German I (4)
- Ger 1202*—Intermediate German II (4)
- Ger 2301*—Advanced German (4)

- Lang 4044—Language Teaching Methods (4)
- Upper division German courses (16 cr)

A student minoring in teaching German must pass an oral proficiency exam in German, which may be repeated until successful completion is achieved. Study abroad is considered essential for success in learning German.

Teaching Mathematics Minor Requirements (21-23 cr)

Choose two of the following:

Math 1160*—Finite Mathematics and Introduction to Calculus (5)

Math 1250*—Precalculus Analysis (4)

Math 1290*—Calculus for the Natural Sciences (5)

Math 1296*—Calculus I (5)

Math 1297—Calculus II (5)

Choose two of the following statistics courses:

Stat 1411*—Introduction to Statistics (3)

Stat 2411*—Statistical Methods (3)

Stat 3611—Introduction to Probability and Statistics (4)

Complete the following courses:

Educ 4226—Geometry for Teachers Grades 5-8 (3)

Educ 4227—Number Theory for Teachers Grades 5-8 (3)

Teaching Science Minor Requirements (23-27 cr)

At least one of the following sequences (7-10 cr):

Biol 1011*-1012—General Biology I-II (10)

or Chem 1113*-1114—Introduction to General, Organic, Biological Chemistry (10)

or Chem 1151*-1152—General Chemistry I-II (10)

or Geol 1110*—Geology and Earth Systems

and Geol 2110 (with lab)—Earth History (8)

or Geol 1110*—Geology and Earth Systems

and Geol 2120—The Earth's Dynamic Interior (7)

or Phys 1001*-1002—Introduction to Physics I-II (10)

Complete the following courses:

Ast 1040*—Introductory Astronomy (3)

Biol 1001*—Biology and Society (4) (not needed if Biol sequence was taken)

Chem 1102*—Aspects of Chemistry (3) (not needed if Chem sequence was taken)

Educ 4234—Science, Technology, and Society (3)

Geol 1110*—Geology and Earth Systems (4) (not needed if geology sequence was taken)

Phys 1011*—Ideas in Physics (3) (not needed if Physics sequence was taken)

Teaching Social Studies Minor Requirements (26 cr)

Econ 1003*—Economics and Society (3)

Educ 4234—Science, Technology, and Society (3)

Geog 1202*—World Regional Geography

or Geog 1304*—Human Geography (3)

Geog 1414*—Physical Geography (4)

Hist 1304*—U.S. History Part I: 1607-1877 (3)

Hist 1305*—U.S. History Part II: 1865-Present (3)

Pol 1011*—American Government and Politics (3)

Soc 1101*—Introduction to Sociology (4)

Teaching Spanish Minor Requirements (20-40 cr)

The core program in language skills (listening, speaking, reading, and writing) is common to all Spanish majors and minors. Students may be exempted from part of the core requirement if they have previously completed studies in Spanish. Exemption is negotiated with the department and is based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school Spanish would enter the sequence at the intermediate Spanish level and be exempted from Spanish 1101-1102.

Span 1101*—Beginning Spanish I (4)

Span 1102*—Beginning Spanish II (4)

Span 1201*—Intermediate Spanish I (4)

Span 1202*—Intermediate Spanish II (4)

Span 2301*—Advanced Spanish (4)

Lang 4044—Language Teaching Methods (4)

Upper division Spanish courses (16 cr)

Teaching Spanish minors must pass the oral proficiency exam in Spanish, which may be repeated until successful completion is achieved. Study abroad is considered essential for success in learning Spanish.

** Courses that may be used to fulfill UMD liberal education program requirements.*

Exercise Science B.A.S.

Admission Requirements

Students are admitted to UMD as pre-majors. Students transferring from another UMD program or college or from another institution must meet with the exercise science faculty coordinator before final transfer is approved.

Admission to the major is contingent upon all of the following:

- Completing Biol 1011, Comp 1120, Chem 1113 or 1151, Hlth 1470, 2030, 2040, Math 1160 or higher, Phys 1001, and Psy 1003;
- Being within one semester of completing all University liberal education requirements;
- Academic adviser's approval of additional required courses in the concentration requirements; and
- A minimum 2.50 cumulative GPA.

Only students admitted to the major may register for 3xxx ESAT courses and above. Such courses are taken in addition to the core courses and are specific to each exercise science concentration.

Academic Progress

The academic progress of all pre-majors and majors is closely monitored. Students who do not meet the following GPA* standards will

be placed on department academic probation; 30 credits (2.25 minimum); 45 credits (2.37 minimum); 60 or more credits (2.50 minimum).

* *Credits and GPA are defined as cumulative GPA and include all credits and GPA points on the student's record, including those transferred from other programs and institutions.*

Maintenance Standards

To continue as an exercise science major or pre-major, students must make satisfactory academic progress (as outlined above) and demonstrate acceptable professional performance in their classroom, laboratory, research, and internship experiences. Students who have been admitted to the major must maintain a GPA of 2.50. Majors whose GPA falls below 2.50 are placed on department academic probation.

Department Academic Probation

Students placed on department academic probation must raise GPAs to the minimum values listed above under “Academic Progress” by meeting specific imposed GPA goals each semester. Students failing to meet any listed GPA standard or imposed GPA goal will not be permitted to advance or to return to major status. Alternatives to the established probation procedures may be set by department action only on a case-by-case basis.

Degree Requirements

- Core degree course requirements
- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services *or* Comp 3150—Advanced Writing: Science (3 cr)
- Concentration requirements

Required Core Courses (all concentrations)

ESAT 3200—Motor Learning and Development (5)
 ESAT 3300—Human Biomechanics (4)
 ESAT 3400—Exercise Physiology (4)
 ESAT 3410—Performance Nutrition and Weight Management (4)
 ESAT 3420—Exercise Testing and Prescription (4)
 ESAT 3440—Clinical Exercise Physiology (4)

Required Courses from Other Programs

Biol 1011*—General Biology I (5)
 Comp 1120*—College Writing (3)
 Hlth 1470*—Human Nutrition (3)
 Hlth 2030—Applied Human Anatomy (4)
 Hlth 2040—Principles of Human Physiology (4)
 Phys 1001*—Introduction to Physics I (5)
 Psy 1003*—General Psychology (4)

Note: Students may substitute a higher level course with the same designator for the required courses above, with approval of their academic adviser.

* *Courses that may be used to fulfill UMD liberal education program requirements.*

Concentration

Students must select one of the following concentrations: health and fitness, exercise and sport science, or special area of interest.

Health and Fitness Concentration

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.

Required Courses

ESAT 3210—Exercise Adherence (4)
 ESAT 3430—Principles of Strength and Conditioning Programs (4)
 ESAT 3432—Exercise Leadership (3)
 ESAT 3450—Management of Fitness Facilities (3)
 ESAT 4996—Internship (6)
 Required Courses From Other Programs
 Chem 1113*—Introduction to General, Organic, and Biological Chemistry I (5)
 Hlth 1700—Emergency Response (3)**
 HPER 3100—Risk Management (2)
 Math 1160*—Finite Mathematics and Introduction to Calculus (5)
or Math 1250*—Precalculus Analysis (4)
 Psy 3020—Statistical Methods (4)

Additional Required Courses (12 cr)

This 12-credit requirement can be met by selecting courses with ESAT, Hlth, HPER, Psy, or Rec designators that are numbered 3xxx and above. Courses with other designators require adviser's approval. The requirement can also be met by completing a minor in psychology or management studies (business administration minor for non-LSBE students).

* *Courses that may be used to fulfill UMD liberal education program requirements.*

***Requires Hlth 1600 or current American Red Cross First Aid certification.*

Exercise and Sport Science Concentration

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, 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.

Required Courses

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

ESAT 4710—Applied and Experimental Exercise Science (4)

Required Courses From Other Programs

Biol 1012—General Biology II (5)

Chem 1151*—General Chemistry I (5)

Chem 1152—General Chemistry II (5)

Math 1296*—Calculus I (5)

Phys 1002—Introduction to Physics II (5)

13 credits from the following:

Biol 2101—Cell Biology (3)

Biol 2201—Genetics (3)

Biol 3703—Animal Physiology (3)

Biol 4501—General Microbiology (4)

Chem 2222—Quantitative Analysis (3)

Chem 2223—Quantitative Analysis Laboratory (1)

Chem 2521—Organic Chemistry I (4)

Chem 2522—Organic Chemistry II (4-5)

Chem 3322—Biochemistry (3)

Chem 3324—Biochemistry Laboratory (1)

ESAT 3210—Exercise Adherence (4)

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

Psy 2021*—Developmental Psychology (4)

Psy 3121—Abnormal Psychology (4)

Special Area of Interest Concentration

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

The required curriculum includes a liberal education background, a core of basic and applied sciences, 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 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.

Required Courses

Students select, with approval by the academic adviser and department academic affairs committee, a variety of courses with ESAT and related designators. These courses, when combined with all other degree and University requirements, must total at least 120 credits. In general, this concentration consists of courses with the Anat, Biol, Chem, Engr, ESAT, Hlth, Phys, Psy, and Soc designators.

Secondary and K-12 Teacher Education

Students preparing to be licensed to teach in Minnesota secondary schools must complete an approved baccalaureate degree program with one or more majors in a teaching area.

Admission Requirements

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application to the licensure program. Admission is based on criteria 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 (NCATE).

To be considered for admission, a student must have: 1) a GPA of at least 2.50 overall and in major courses completed at the time of application; 2) taken the Pre-Professional Skills test (PPST); and 3) 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 the their Academic Progress Audit System (APAS) report. Specific program admission requirements and procedures may be obtained from the Department of Education Web site at www.d.umn.edu/educ. There are alternatives to these established admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the department.

Applications, including all supporting documents, are due by 4:00 p.m. on the fifth Friday of each semester for admission for the following semester. Applications are available from the Department of Education Web site at www.d.umn.edu/educ.

Maintenance Standards

To continue as secondary education or K-12 education majors, students must make satisfactory academic progress and demonstrate acceptable professional performance in their field experiences. To be eligible for student teaching, a student must have a GPA of at least 2.50 overall

and in the major and have no grades lower than a C- in courses required 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, 120 Montague Hall.

Other Professional Concerns

Forms needed to apply for licensure upon completion of an approved teaching major program are available in the CEHSP Student Affairs Office.

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

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

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

Application deadlines are posted on the Department of Education Web site at www.d.umn.edu/educ.

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

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 Educ1101*—Education in Modern Society and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for Educ 4991—Independent Study.

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

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

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

Kindergarten through grade 12 licensure majors include:

Art (see School of Fine Arts)
 Music (see School of Fine Arts)
 Physical education
 Teaching French
 Teaching German
 Teaching Spanish

Health Education

B.A.S.

The bachelor of applied science (B.A.S.) 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, therefore, prepares students to assess, plan, implement, deliver, administer, and evaluate health education programs that promote health and prevent disease.

Admissions Requirements

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

Students in the school health concentration must apply to the Secondary Teacher Education Program (STEP). Refer to the Secondary and K-12 Education section of this catalog for requirements and application information. Health education advisers assist students in this application process.

Students transferring from outside of UMD or from other UMD academic units must have a minimum GPA of 2.00, and must meet with the health education program coordinator before transfer to the major can be approved.

Academic Progress

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.

Degree Requirements

- Liberal education requirements
- 2.50 GPA both overall and in major courses
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)

- Lower and upper division major requirements
- Required courses from other programs
- Community Health or School Health concentration

Required Courses

Lower Division (21 cr)

- Hlth 1100*—Health and Wellness: Strategies for Life (3)
- Hlth 1104—Health Science Terminology (3)
- Hlth 1470—Human Nutrition (3)
- Hlth 1650—Cardiopulmonary Resuscitation (1)
- Hlth 1700—Emergency Response (3)
- Hlth 2030—Applied Human Anatomy (4)
- Hlth 2040—Principles of Human Physiology (4)

Upper Division (20 cr)

- Hlth 3101—Community Health (3)
- Hlth 3115—Consumer Health Education (3)
- Hlth 3117—Principles of Sex Education (3)
- Hlth 3202—Drug Education (2)
- Hlth 3301—Foundations of Health Education (3)
- HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3)
- HPER 3200—Research and Evaluation in Health Science (3)

Required Courses From Other Programs (29 cr)

- Biol 1001*—Biology and Society (4)
- Chem 1102*—Aspects of Chemistry (3)
- Comm 1112*—Public Speaking (3)
- Educ 1100*—Human Diversity (3)
- Educ 3412—The Computer in Education (4)
- Psy 1003*—General Psychology (4)
- Psy 2021*—Developmental Psychology (4)
- Soc 1101*—Introduction to Sociology (4)

* Courses that may be used to fulfill UMD liberal education program requirements.

Community Health Concentration (27-30 cr)

This concentration addresses seven entry-level competencies identified by various national health education organizations: assessing individual and community need for health education; planning effective health education programs; implementing health education programs; evaluating the effectiveness of health education programs; coordinating the provision of health education services; acting as a resource person in health education and community health; and communicating health education needs, concerns, and resources. Students completing this concentration are prepared to take the Certified Health Education Specialist (CHES) exam.

- Hlth 3303—Health Education and Promotion Program Planning (3)
 - Hlth 3305—Community Health, Methods, and Strategies (3)
 - Hlth 3500—Environmental Health (3)
 - Hlth 4000—Professional Issues for Health Educators (3)
 - Hlth 4996—Internship in Health Education (9-12)
- A minor or 6 credits of approved electives

Exit Standards

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

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

School Health Education Concentration (41 cr)

This concentration 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.

- Hlth 3302—School Health Education Methods and Materials (3)
- Educ1101*—Education in Modern Society (3)
- EdSe 3204—General Instructional Methods (4)
- EdSe 3205—Apprenticeship: Middle School (2)
- EdSe 3206—Apprenticeship: Secondary School (2)
- EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
- EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
- EdSe 4501—Educational Psychology (3)
- EdSe 4600—Student Teaching (12)
- EdSe 5120—Philosophy and Organization of the Middle School (2)
- Educ 3412—The Computer in Education (4)
- Educ 4381—Teaching American Indian Students (2)
- Educ 4500—Professional Issues in Teaching (1)

Personal Liability Insurance

All student teachers are required to have professional liability insurance. Application forms are available in the Office of Field Experiences, Department of Education, 120 Montague Hall.

Exit Standards

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

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

Health Education Minor

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

Requirements (44 cr)

Lower Division (26 cr)

- Hlth 1100*—Health and Wellness: Strategies for Life (3)
- Hlth 1470*—Human Nutrition (3)
- Hlth 1650—Cardiopulmonary Resuscitation (1)
- Hlth 1700—Emergency Response (3)
- Hlth 2030—Applied Human Anatomy (4)
- Hlth 2040—Principles of Human Physiology (4)
- Psy 1003*—General Psychology (4)
- Psy 2021*—Developmental Psychology (4)

Upper Division (18 cr)

- Hlth 3101—Community Health (3)
- Hlth 3115—Consumer Health Education (3)
- Hlth 3117—Principles of Sex Education (3)
- Hlth 3301—Foundations of Health Education (3)
- Hlth 3303—Health Education and Promotion Program Planning (3)
- HPER 3200—Research and Evaluation in Health Science (3)

* Courses that may be used to fulfill UMD liberal education program requirements.

Physical Education

B.A.S.

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

Admission and Academic Progress

Upon completion of 90 percent of lower division requirements, students must apply to upper division. Applications are submitted to the coordinator of the Physical Education Teacher Education (PETE) program. Applications are due at the end of the seventh week of the semester. Criteria for admission include:

- Completed application
- Submission of working portfolio
- Completion of 90 percent of all required lower division courses
- Completion of all high school preparations
- 2.50 cumulative and major grade point average
- Evidence of having taken the PPST
- A minimum grade of C- in all required courses in the major
- Evidence of 30 hours of professional service and/or collaboration within the department

In order to enroll in professional education courses, physical education majors must apply to the Secondary Teacher Education Program (STEP). Refer to the Secondary and K-12 Education section of this catalog for requirements and application information. After admission to STEP and to be eligible to student teach, students must maintain satisfactory academic progress (grades of C- or better in all required courses in the major), demonstrate acceptable teaching skills in field experiences, and exhibit appropriate professional dispositions.

Transfer students should contact the program coordinator for information on how work from another institution will be accepted in this program.

Personal Liability Insurance

Students are required to obtain personal liability insurance to protect them while they are working in public school situations. Proof of insurance also is required when enrolled in PEP 3720, 3721, 3730, 3731, 3970, and student teaching. This usually is obtained most economically by student membership in the Minnesota Education Association. Applications are available in the department office.

Special Needs

Students who need accommodation because of a disability or a special need should consult their program adviser and the Access Center.

Degree Requirements

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)
- A 2.50 GPA both overall and within major courses
- Major requirements (112-113 cr)

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

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

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

Required Courses

Lower Division (30 cr)

Hlth 1100*—Health and Wellness Strategies for Life (3)

Hlth 1600—Basic First Aid (2)

Hlth 2030**—Applied Human Anatomy (4)

Hlth 2040—Principles of Human Physiology (4)

PE 2240—Lifeguarding Today (1)

- PE 2244—Water Safety Instructor (2)
- PEP 1001—Introduction to Physical Education (2)
- PEP 1010—Teaching Elementary Games and Gymnastics (1)
- PEP 1020—Teaching Rhythms (1)
- PEP 1310—Teaching Dance (2)
- PEP 1400—Teaching Tennis and Golf (1)
- PEP 1600—Teaching Fitness and Weight Training (2)
- PEP 1700—Teaching Soccer and Softball (1)
- PEP 1710—Teaching Volleyball and Basketball (1)
- PEP 2000—Foundations of Physical Education (3)
- ** Biol 1761—*Human Anatomy* (4) may be substituted for Hlth 2030—*Applied Human Anatomy* (4)

Upper Division (36 cr)

- CC 3117—Functional Anatomy and Sport Injury Management (3)
- ESAT 3200—Motor Learning (5)
- Hlth 3202—Drug Education (2)
- HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3)
- PEP 3010—Adapted Physical Education (3)
- PEP 3035—Physiology and Mechanics of Physical Activity (3)
- PEP 3501—Teaching Cross Country Skiing (1)
or PEP 1504—Teaching Skating (1)
- PEP 3700—Student Assessment in Physical Education (3)
- PEP 3720—Elementary Physical Education Methods (4)
- PEP 3721—Apprenticeship: Elementary (2)
- PEP 3730—Secondary Physical Education Methods (4)
- PEP 3731—Apprenticeship: Secondary (2)
- PEP 3970—Supervised Teaching: College (1)

Required Courses From Other Programs

Lower Division (17-18 cr)

- Biol 1011*—General Biology I (5)
- or Biol 1001*—Biology and Society (4)
- Chem 1102*—Aspects of Chemistry (3)
- Comp 1120*—College Writing (3)
- Educ 1101*—Education and Modern Society (3)
- Psy 1003*—General Psychology (4)

Upper Division (29 cr)

- EdSe 4100—Human Relations in Classrooms (2)
- EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
- EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
- EdSe 4501—Educational Psychology (3)
- EdSe 4600—Student Teaching (6)
- EdSe 5120—Philosophy and Organization of the Middle School (2)
- Educ 3412—The Computer in Education (4)
- Educ 4381—Teaching American Indian Students (2)
- Educ 4500—Professional Issues in Teaching (1)
- EIEd 4650—Student Teaching in Individual Subjects: K-8 (6)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

The B.A.S. in physical education is offered in conjunction with the Department of Education, which publishes exit standards under the Secondary/K-12 Teacher Licensure Requirements section of this catalog.

Students must complete a full semester of student teaching in a public school setting. Students register concurrently for Educ 4500—Professional Issues (3) to allow a forum for the discussion of current field practice.

Double majors (such as in physical education and health education) are required to student teach in both content areas.

Psychology

B.A.S.

The bachelor of applied science (B.A.S.) in psychology provides students with a firm grounding in the methods, history, and content areas of the discipline. Graduates 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. All students are expected to complete a faculty-supervised independent research project during the design and methodology courses of the core curriculum, applying their methodology training to a topic of their choice. In addition, the core curriculum requires some exposure to the natural science, social science, and applied science aspects of the discipline. Within the applied area, a series of courses focus on the students' personal growth and spiritual development. These courses include experiential activities related to helping skills, group work, yoga, and meditation. Students also have the opportunity to focus their study toward either graduate training or paraprofessional positions through their selection of elective courses, independent studies, or field placements in a variety of content areas. Students should consult with faculty advisers to select appropriate elective courses to meet their career goals.

Distance Education—Many of the courses for this program are available online or through distance education for students who prefer an independent study format. All coursework for a psychology minor is now available online.

Education and Human Service Professions

Freshman Camp—Psychology students are invited to attend a weekend retreat during their first semester on campus. The retreat is held at a nature center where students can share cabins, explore the outdoors, and engage in art, music, and other modes of personal expression. The retreat is an opportunity for students to meet faculty and other students in an informal setting. It provides a time for reflection and the opportunity to explore psychology as a discipline and as a career.

Study Abroad—Psychology students are encouraged to study abroad. The department has a liberal transfer policy relating to international courses so that students who study abroad are not delayed in graduating.

Admission Requirements

Students who wish to pursue the B.A.S. degree in psychology may declare the program as their major at any time providing their cumulative GPA is at least 2.00. Students may declare their intent to pursue the degree at the CEHSP's Student Affairs Office. Progress toward completion of degree requirements is continuously tracked by the UMD Registrar's APAS system.

Honors Requirements

Senior psychology majors with a GPA of at least 3.25 in psychology and 3.00 overall are eligible for departmental honors. Honors work may be completed as an individual honors research project (Psy 3998), as an individual honors application project under the direction of an adviser selected by the student (Psy 3997), by completing an honors seminar (Psy 3985), by completing a successful UROP project, or by receiving a GPA of 3.80 or better in all psychology courses. Eligible students are urged to consult with their adviser or a psychology department faculty member on how they wish to pursue departmental honors before the end of their junior year.

Degree Requirements

Requirements for the B.A.S. (120 cr) in psychology include:

- Liberal education requirements. Biol 1001—Biology and Society (4) or Biol 1011—General Biology I (5) must be used to fulfill Category 4.
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services *or* Comp 3160—Advanced Writing: Social Sciences (3)

- Major requirements (59 cr):
 - Lower and upper division core (35-39 credits), electives in Psy 2xxx or higher (20-24 credits), 20 credits of Psy 3xxx or higher applied to the B.A.S. must be taken in residence at UMD
- A minor program of the student's choice or 18 additional upper division credits outside the major

Required Courses

Foundation Core (19 cr)

- Psy 1003*—General Psychology (4)
- Psy 3020—Statistical Methods (4)
- Psy 3021—Experimental Design and Methodology (4)
- Psy 3022—Applied Methods and Measurement (4)
- Psy 3081—History and Systems of Psychology (3)

Natural Science Core—at least one course (3-4 cr)

- Psy 3061—Physiological Psychology (4)
- Psy 3231—Psychology of Drug Use (3)
- Psy 3611—Learning and Behavior (4)
- Psy 3621—Cognition (4)
- Psy 3631—Cognitive Development: Ways of Knowing (3)
- Psy 3661—Psychology of Language (3)
- Psy 3691—Sensation and Perception (4)

Social Science Core—at least three courses (9-12 cr)

- Psy 2021*—Developmental Psychology (4)
- Psy 2223*—Gender in Society (4)
- Psy 3111—Theories of Personality (3)
- Psy 3121—Abnormal Psychology (4)
- Psy 3201—Social Psychology (3)
- Psy 3211—Group Dynamics (3)
- Psy 3371—Child and Adolescent Psychology (3)
- Psy 3381—Adult Development and Aging (3)
- Psy 3707—Organizational Psychology (3)

Applied Science Core—at least one course (3-4 cr)

- Psy 3098—The Psychological Principles of Stress Management (3)
- Psy 3445—Transpersonal Psychology (3)
- Psy 3520—Introduction to Industrial/Organizational Psychology (4)
- Psy 3524—Basic Helping Skills (4)
- Psy 3601—Psychology of Personal Development (3)
- Psy 3613—Behavior Modification (3)
- Psy 3701—Personnel Psychology (3)
- Psy 4500—Health Psychology (3)
- Psychology electives Psy 2xxx or higher (20-24 cr)

* Courses that may be used to fulfill UMD liberal education program requirements.

Psychology Minor

The undergraduate minor in psychology provides students with a basic survey of psychological theories and findings and a required emphasis on life span developmental processes.

Requirements (18 cr)

Psy 1003*—General Psychology (4)

Psy 2021*—Developmental Psychology (4)

Psychology electives 2xxx or higher (10 cr)

At least 8 credits of the minor must be completed in residence at UMD.

* Courses that may be used to fulfill UMD liberal education program requirements.

Recreation—Outdoor Education**B.A.S.**

The bachelor of applied science (B.A.S.) in recreation 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. No minor is required.

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

Admission Requirements

Students are admitted to UMD as pre-recreation majors. Students are admitted to the major with approval of the adviser and completion of pre-major requirements.

No grades lower than C- in courses required for the major. Admission to the program requires a 2.50 overall GPA. Enrollment in the senior internship requires an overall GPA of 2.50. The program description includes all requirements for the B.A.S. degree.

Degree Requirements

Requirements for the B.A.S. in recreation—outdoor education include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services *or* Comp 3160—Advanced Writing: Social Sciences (3)

- GPA of 2.50 both overall and in major courses
- Major requirements:
Lower and upper division courses in outdoor education and coursework in education methods, program delivery, evaluation, theories, skills, and principles of recreation management provide the basis for the major.

Required Courses (93-94 cr)**Lower Division Core (25-26 cr)**

Biol 1011*—General Biology I (5)

or Biol 1012—General Biology II (5)

Psy 1003*—General Psychology (4)

Hlth 3620—Wilderness First Response (3)

or Hlth 1650—Cardiopulmonary Resuscitation (1)

and Hlth 1700—Emergency Response (3)

PE 1xxx—Electives (2)

Rec 1000—Introduction to Recreation (4)

Rec 1203—Outdoor Skills I (2)

Rec 1204—Outdoor Skills II (2)

Rec 2300—Recreation Programming (3)

Upper Division Core (48 cr)

EnEd 3309—Outdoor Leadership (1)

EnEd 3310—Outdoor Leadership Field Experience (2)

EnEd 3341—Field Interpretive Techniques I (3)

EnEd 3342—Field Interpretive Techniques II (3)

EnEd 4163—Outdoor Education Methods (3)

EnEd 4236—Environmental Education for Teachers (2)

EnEd 4315—Operations and Management (4)

EnEd 4996—Outdoor Education Internship (12)

HPER 3100—Risk Management (2)

HPER 3200—Research and Evaluation in Health Science (3)

PEP 3501—Teaching Cross-Country Skiing (1)

PEP 3507—Teaching Outdoor Skills (2)

PEP 3509—Teaching Canoeing (1)

Rec 3327—Large Event Management (3)

Rec 3330—Outdoor Recreation (3)

Rec 4320—GIS Management for Recreation Professionals (3)

Approved Electives (20 cr)

10 credits in natural sciences:

Biol 2xxx, 3xxx, or 4xxx

Geol 2xxx or 3xxx

EnEd 5343—Advanced Field Interpretive Techniques (3)

Hlth 2030—Applied Human Anatomy (4)

Hlth 2040—Principles of Human Physiology (4)

Geog 4451—Geography of Soils (4)

10 credits in social sciences:

EnEd 3331—Organization of Environmental Education Centers (2)

EnEd 4410—Ropes Course Management (3)

EnEd 4601—Wilderness Philosophy (2)

EnEd 5165—Theories and Models in Outdoor Education (2)

EnEd 5325—Environmental Issues Investigation (3)

EnEd 5998—Seminar (1-3)

HPER 3000—Organization and Administration of Health, Physical Education, and Recreation (3)

PE 2240—Lifeguarding Today (1)

PEP 3501—Teaching Cross-Country Skiing (1)

PEP 3505—Teaching Whitewater Kayaking (1)

PEP 3506—Teaching Sea Kayaking (1)

PEP 3508—Teaching Rock Climbing (1)

PEP 3520—Alpine Ski Instructor's Course (1)

Psy 3211—Group Dynamics (3)

Psy 3524—Basic Helping Skills (4)

Rec 3320—Recreational Sports (3)

Rec 4991—Independent Study (1-4)

Rec 4992—Readings in Recreation (1-4)

* *Courses that may be used to fulfill UMD liberal education program requirements.*

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.

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—Outdoor Education Internship. In addition, no grades lower than C- in courses required for the major are allowed.

Recreation—Outdoor Education Minor

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

Requirements (23-24 cr)

Lower Division Core (7-8 cr)

Hlth 3620—Wilderness First Response (3)

or Hlth 1650—Cardiopulmonary Resuscitation (1)

and Hlth 1700—Emergency Response (3)

Rec 1000—Introduction to Recreation (4)

Upper Division Core (16 cr)

EnEd 4163—Outdoor Education Methods (3)

PEP 3507—Teaching Outdoor Skills (2)

Rec 2300—Recreation Programming (3)

Rec 4997—Recreation Practicum (3)

Approved upper division Rec electives (5 cr)

Teaching Communication Arts/Literature B.A.A.

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

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

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

- Liberal education requirements
- Advanced writing requirement: Comp 3100—Advanced Writing: Language and Literature (3) or Comp 3140—Advanced Writing: Human Services (3) or Engl 3115—Writing Fiction (4) or Engl 3121—Writing Poetry (4) or Engl 5116—Advanced Writing of Fiction (4) or Engl 5122—Advanced Writing of Poetry (4)
- Major requirements (99-100 cr)

Required Courses

Lower Division (19 cr)

Comm 1112*—Public Speaking (3)

Comm 1222*—Interpersonal Communication (3)

Comm 1500*—Media and Society (3)

Educ 1101*—Education in Modern Society (3)

Engl 1582*—Introduction to World Literatures (4)

Ling 1811*—Introduction to Language (3)

Upper Division (80-81 cr)

Comm 5300—Teaching Methods in Communication (3)

Educ 3412—The Computer in Education (4)

Educ 4381—Teaching American Indian Students (2)

Educ 4500—Professional Issues in Teaching (1)

EdSe 3204—General Instructional Methods (4)

EdSe 3205—Apprenticeship: Middle School (2)

EdSe 3206—Apprenticeship: Secondary School (2)

EdSe 4100—Human Relations in Classrooms (2)

EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)

EdSe 4501—Educational Psychology (3)

EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of the Middle School (2)

EdSe 5215—Teaching Reading and Literature: Grades 5-12 (5)

or EdSe 4212—Literature for Adolescents (3)
 and EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)

Engl 3501—British Literature I (4)
 Engl 3563—American Literature I (4)
 Engl 3564—American Literature II (4)
 Engl 3906—Methods of Literary Study (4)
 Engl 5902—Teaching Language, Cognition, and Writing (4)
 Engl 5922—Teaching Literature and Communication (4)
 Engl 3xxx-5xxx electives (3-4)
 Engl 5xxx—British period literature (4)
 Hlth 3202—Drug Education (2)
 Ling 5802—Applied Linguistics (4)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and must meet other competencies required for Minnesota teacher licensure.

Teaching Earth and Space Sciences

B.A.S.

The B.A.S. 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 concentration with this major. This concentration enhances the students' major by integrating environmental education into formal (pre-K-12) as well as non-formal education settings such as parks and nature centers. A student in this concentration must meet the same GPA requirements as for the major. The concentration is noted on the student's diploma.

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

Requirements for the B.A.S. in teaching earth and space sciences (5-12 cr) include:

- Liberal education requirements
- Advanced writing requirements: Comp 3140—Advanced Writing: Human Services (3) or Comp 3150—Advanced Writing: Science (3)
- Major requirements

Required Courses

Lower Division (58 cr)

Ast 1040*—Introductory Astronomy (3)
 Biol 1011*—General Biology I (5)
 Biol 1012—General Biology II (5)
 Chem 1113*—Introduction to General, Organic, and Biological Chemistry I (5)
 Chem 1114—Introduction to General, Organic, and Biological Chemistry II (5)
 Educ 1101*—Education in Modern Society (3)
 Geol 1110*—Geology and Earth Systems (4)
 Geol 2110—Earth History (4)
 Geol 2300—Basic Mineralogy and Petrology (4)
 Geol 2350*—Earth's Resources (3)
 Geol 2610*—Oceanography (3)
 Math 1250*—Precalculus Analysis (4)
 Phys 1001*—Introduction to Physics I (5)
 Phys 1002—Introduction to Physics II (5)

Upper Division (53 cr)

Educ 3412—The Computer in Education (4)
 EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
 Educ 4234—Science, Technology, and Society (3)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)
 EdSe 4255—Teaching Science: Grades 5-12 (3)
 EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
 EdSe 4501—Educational Psychology (3)
 EdSe 4600—Student Teaching (12)
 EdSe 5120—Philosophy and Organization of the Middle School (2)
 Geog 3401—Weather and Climate (3)
 Geol 3210—Geomorphology (3)
 or Geol 2120—The Earth's Dynamic Interior (3)
 Geol 4110—Advanced Earth Science for Teachers (2)
 Hlth 3202—Drug Education (2)
 * Courses that may be used to fulfill UMD liberal education program requirements.

Optional Environmental Education Concentration

Requirements (31-32 cr)

EnEd 3309—Outdoor Leadership (1)
 EnEd 3310—Outdoor Leadership Field Experience (2)
 EnEd 3341—Field Interpretive Techniques I (3)
 EnEd 3342—Field Interpretive Techniques II (3)
 EnEd 4163—Outdoor Education Methods (3)
 EnEd 5236—Environmental Education for Teachers (2)
 Hlth 3620—Wilderness First Response (3)
 or Hlth 1650—Cardiopulmonary Resuscitation (1)
 and Hlth 1700—Emergency Response (3)

Education and Human Service Professions

PEP 3507—Teaching Outdoor Skills (2)

Rec 1203—Outdoor Skills I (2)

Rec 1204—Outdoor Skills II (2)

Rec 4997—Practicum (3)

Five credits from the following:

Biol 2803*—Issues in Global Ecology (3)

Biol 3603—Plant Taxonomy (3)

Biol 4731—Entomology (3)

Biol 4761—Ichthyology (3)

Biol 4763—Ornithology (3)

Biol 5833—Stream Ecology (4)

Biol 5861—Lake Ecology (3)

EnEd 5325—Environmental Issues Investigation (3)

Geol 5210—Glacial and Quaternary Geology (3)

or pre-approved natural science courses

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and must meet other competencies required for Minnesota teacher licensure.

Teaching French

B.A.A.

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

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

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

- Liberal education requirements. Students are encouraged to take the following: Engl 1907*—Introduction to Literature (Category 9), and Ling 1811*—Introduction to Language (Category 2). French majors and minors are exempted from the campus-wide requirement for international perspectives courses.
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)
- Major requirements (67-87 cr)
Course requirements as listed below.
Study abroad is essential for success in learning French.
Students also complete a series of education courses in the Department of Education

designed to meet the requirements for Minnesota teacher licensure, including a full semester of student teaching.

Students must pass the oral proficiency exam, maintain a 3.00 GPA in French courses taken, complete the education courses and Lang 4044, and have the permission of the French faculty and the Department of Education before being placed for their student teaching experience.

The core program in language skills (listening, speaking, reading, writing) is common to all majors and minors in French. Students may be exempted from part or all of the core program requirements if they have previously completed French language coursework. Exemptions are determined by the Department of Foreign Languages and Literatures, based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school French would enter the sequence at the intermediate French level and thus be exempted from French 1101-1102.

Required Courses

Lower Division (3-23 cr)

Educ 1101*—Education in Modern Society (3)

Fr 1101*—Beginning French I (4)

Fr 1102*—Beginning French II (4)

Fr 1201*—Intermediate French I (4)

Fr 1202*—Intermediate French II (4)

Fr 2301*—Advanced French (4)

Upper Division (64 cr)

Educ 3412—The Computer in Education (4)

Educ 4381—Teaching American Indian Students (2)

Educ 4500—Professional Issues in Teaching (1)

EdSe 3204—General Instructional Methods (4)

EdSe 3205—Apprenticeship: Middle School (2)

EdSe 3206—Apprenticeship: Secondary School (2)

EdSe 4100—Human Relations in Classrooms (2)

EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)

EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)

EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of Middle Schools (2)

ElEd 4345—Instructional Strategies, Assessment, and Management (4)

Hlth 3202—Drug Education (2)

Lang 4044—Language Teaching Methods (4)

Upper division French courses (20 cr), including one culture course taught in French.

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.

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

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

Students must also successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Teaching German

B.A.A.

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.

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

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

- Liberal education requirements. Students are encouraged to take the following: Engl 1907*—Introduction to Literature (Category 9), and Ling 1811*—Introduction to Language (Category 2). German majors and minors are exempted from the campus-wide requirement for international perspectives courses.
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)
- Major requirements (67-87 cr)

Course requirements as listed below.

Study abroad is essential for success in learning German.

Students also complete a series of education courses in the Department of Education designed to meet the requirements for Minnesota teacher licensure, including a full semester of student teaching.

Students must pass the oral proficiency exam, maintain a 3.00 GPA in German courses taken, complete the education courses and Lang 4044, and have the permission of the German faculty and the Department of Education before being placed for their student teaching experience.

The core program in language skills (listening, speaking, reading, writing) is common to all majors and minors in German. Students may be

exempted from part or all of the core program requirements if they have previously completed German language coursework. Exemptions are determined by the Department of Foreign Languages and Literatures, based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school German would enter the sequence at the intermediate German level and be exempted from German 1101-1102.

Required Courses

Lower Division (3-23 cr)

- Educ 1101*—Education in Modern Society (3)
- Ger 1101*—Beginning German I (4)
- Ger 1102*—Beginning German II (4)
- Ger 1201*—Intermediate German I (4)
- Ger 1202*—Intermediate German II (4)
- Ger 2301*—Advanced German (4)

Upper Division (64 cr)

- Educ 3412—The Computer in Education (4)
- Educ 4381—Teaching American Indian Students (2)
- Educ 4500—Professional Issues in Teaching (1)
- EdSe 3204—General Instructional Methods (4)
- EdSe 3205—Apprenticeship: Middle School (2)
- EdSe 3206—Apprenticeship: Secondary School (2)
- EdSe 4100—Human Relations in Classrooms (2)
- EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
- EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
- EdSe 4600—Student Teaching (12)
- EdSe 5120—Philosophy and Organization of the Middle School (2)
- EIEd 4345—Instructional Strategies, Assessment, and Management (4)
- Hlth 3202—Drug Education (2)
- Lang 4044—Language Teaching Methods (4)
- Upper division German courses (20 cr), including one culture course taught in German.

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.

** Courses that may be used to fulfill UMD liberal education program requirements.*

Note: Students pursuing both the B.A. and the B.A.A. degrees in German will need to complete satisfactorily 12 non-overlapping upper division credits of German electives over and above the requirements for both degrees.

Exit Standards

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

Students must also successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Teaching Life Science

B.A.S.

The B.A.S. degree in teaching life science is offered by the Department of Education in conjunction with the Department of Biology. This major (115-116 credits) prepares students to teach all science areas in grades 5-8 and to teach life science in grades 9 through 12.

Students have the option of also completing the environmental education concentration with this major. The B.A.S. in teaching life science with the environmental education concentration is offered by the Department of Education in conjunction with the Department of Biology and the Department of Health, Physical Education, and Recreation. This concentration enhances the students' major by integrating environmental education into formal (pre-K-12) as well as non-formal education settings such as parks and nature centers. This concentration must be taken in conjunction with the teaching life science or teaching earth and space science majors. The concentration is noted on the students' diploma.

Admission Requirements

See admissions requirements under Secondary and K-12 Teacher Education.

Degree Requirements

Requirements for the B.A.S. in teaching life science (5-12 cr) include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3) or Comp 3150—Advanced Writing: Science
- Major requirements (115-116 cr): Lower division coursework (59 cr), upper division coursework (57 cr)

Required Courses

Lower Division (59 cr)

Ast 1040*—Introductory Astronomy (3)
 Biol 1011*—General Biology I (5)
 Biol 1012—General Biology II (5)
 Biol 1761—Human Anatomy (4)
 Biol 2101—Cell Biology (3)
 Biol 2201—Genetics (3)
 Biol 2801—General Ecology (3)
 Biol 2802—Ecology Laboratory (2)
 Chem 1113*—Introduction to General, Organic, and Biological Chemistry I (5)
 Chem 1114—Introduction to General, Organic, and Biological Chemistry II (5)
 Educ 1101*—Education in Modern Society (3)
 Geol 1110*—Geology and Earth Systems (4)

Math 1250*—Precalculus Analysis (4)
 Phys 1001*—Introduction to Physics I (5)
 Phys 1002—Introduction to Physics II (5)

Upper Division (56-57 cr)

Biol 3703—Animal Physiology (3) *recommended*
 or Phsl 3011—General Physiology (4)
 Biol 4801—Evolution (2)
 Educ 3412—The Computer in Education (4)
 Educ 4234—Science, Technology, and Society (3)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)
 EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
 EdSe 4255—Teaching Science: Grades 5-12 (3)
 EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
 EdSe 4501—Educational Psychology (3)
 EdSe 4600—Student Teaching (12)
 EdSe 5120—Philosophy and Organization of Middle School (2)
 Geol 3210—Geomorphology (3)
 or Geol 2110—Earth History (4)
 or Geol 2120—The Earth's Dynamic Interior (3)
 Geol 4110—Advanced Earth Science for Teachers (2)
 Hlth 3202—Drug Education (2)

Optional Environmental Education Concentration

Requirements (31-32 cr)

EnEd 3309—Outdoor Leadership (1)
 EnEd 3310—Outdoor Leadership Field Experience (2)
 EnEd 3341—Field Interpretive Techniques I (3)
 EnEd 3342—Field Interpretive Techniques II (3)
 EnEd 4163—Outdoor Education Methods (3)
 EnEd 5236—Environmental Education for Teachers (2)
 Hlth 3620—Wilderness First Response (3)
 or Hlth 1650—Cardiopulmonary Resuscitation (1)
 and Hlth 1700—Emergency Response (3)
 PEP 3507—Teaching Outdoor Skills (2)
 Rec 1203—Outdoor Skills I (2)
 Rec 1204—Outdoor Skills II (2)
 Rec 4997—Practicum (3)
Five credits from the following:
 Biol 2803*—Issues in Global Ecology (3)
 Biol 3603—Plant Taxonomy (3)
 Biol 4731—Entomology (3)
 Biol 4761—Ichthyology (3)
 Biol 4763—Ornithology (3)
 Biol 5833—Stream Ecology (4)
 Biol 5861—Lake Ecology (3)
 EnEd 5325—Environmental Issues Investigation (3)
 Geog 3401—Weather and Climate (3)

Geol 2610—Oceanography (3)
 Geol 5210—Glacial and Quaternary Geology (3)
 or pre-approved natural science courses

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Teaching Mathematics

B.A.S.

The B.A.S. 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

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

Requirements for the B.A.S. in teaching mathematics include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services or Comp 3150—Advanced Writing: Science (3)
- Major requirements (90 cr): Lower division coursework (18 cr), upper division coursework (72 cr)

Required Courses

Lower Division (18 cr)

CS 1511*—Computer Science I (5)
 Educ 1101*—Education in Modern Society (3)
 Math 1296*—Calculus I (5)
 Math 1297—Calculus II (5)

Upper Division (72 cr)

Educ 3412—The Computer in Education (4)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)
 EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)
 EdSe 4222—Teaching Mathematics: Grades 5-12 (4)
 EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
 EdSe 4501—Educational Psychology (3)
 EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of the Middle School (2)

Hlth 3202—Drug Education (2)

Math 3110—Foundations of Mathematics and Geometry (4)

Math 3280—Differential Equations with Linear Algebra (4)

Math 3299—Intermediate Analysis (3)

Math 3355—Discrete Mathematics (4)

Math 3941—Undergraduate Colloquium (1)

Math 4371—Introduction to Abstract Algebra I(3)

Stat 3611—Introduction to Probability and Statistics (4)

Electives (6 cr)

Choose two courses from the following:

Educ 4226—Geometry for Teachers in Grades 5-8 (3)

Educ 4227—Number Theory for Teachers in Grades 5-8 (3)

Math 4326—Linear Algebra (3)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Teaching Physical Sciences

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

Chemistry Concentration

B.A.S.

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

Admission Requirements

See admissions requirements under Secondary and K-12 Teacher Education.

Degree Requirements

Requirements for the B.A.S. in teaching physical sciences (5-12 cr) chemistry concentration include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services or Comp 3150—Advanced Writing: Science (3)
- Major requirements (111-112 cr): Lower division coursework (57 cr), upper division coursework (54-55 cr)

Required Courses

Lower Division (57 cr)

Ast 1040*—Introductory Astronomy (3)
 Biol 1011*—General Biology I (5)
 Biol 1012—General Biology II (5)
 Chem 1151*—General Chemistry I (5)
 Chem 1152—General Chemistry II (5)
 Chem 2222—Quantitative Analysis (3)
 Chem 2223—Quantitative Analysis Lab (1)
 Chem 2521—Organic Chemistry I (4)
 Chem 2522—Organic Chemistry II (4)
 Educ 1101*—Education in Modern Society (3)
 Geol 1110*—Geology and Earth Systems (4)
 Math 1290—Calculus for the Natural Sciences (5)
or Math 1296—Calculus I (5)
 Phys 1001*—Introduction to Physics I (5)
 Phys 1002—Introduction to Physics II (5)

Upper Division (54-55 cr)

Chem 3322—Biochemistry (3)
 Chem 3324—Biochemistry Lab (1)
 Educ 3412—The Computer in Education (4)
 Educ 4234—Science, Technology, and Society (3)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)
 EdSe 4214—Reading in the Middle Grades and Secondary Schools 5-12 (2)
 EdSe 4255—Teaching Science: Grades 5-12 (3)
 EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)
 EdSe 4501—Educational Psychology (3)
 EdSe 4600—Student Teaching (12)
 EdSe 5120—Philosophy and Organization of the Middle School (2)
 Hlth 3202—Drug Education (2)
 Geol 3210—Geomorphology (3)
or Geol 2110—Earth History (4)
or Geol 2120—Earth's Dynamic Interior (3)
 Geol 4110—Advanced Earth Science for Teachers (2)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Physics Concentration

B.A.S.

The B.A.S. degree in teaching physical sciences—physics concentration is offered by the Department of Education in conjunction with the Department of Physics. This major (113-115 credits) prepares students to teach all science areas in grades 5 through 8 and to teach physics in grades 9 through 12.

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

The requirements for the B.A.S. in teaching physical sciences (5-12 cr)—physics concentration include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services *or* Comp 3150—Advanced Writing: Science (3)
- Major requirements (113-115 cr): Lower division coursework (60-61 cr), upper division coursework (53-54 cr)

Required Courses

Lower Division (60-61 cr)

Ast 1040*—Introductory Astronomy (3)
 Biol 1011*—General Biology I (5)
 Biol 1012—General Biology II (5)
 Chem 1113*—Introduction to General, Organic, and Biological Chemistry I (5)
 Chem 1114—Introduction to General, Organic, and Biological Chemistry II (5)
 CS 1131*—Introduction to Programming in FORTRAN (3)
or CS 1135*—Introduction to Programming in FORTRAN 90 (2)
 Educ 1101*—Education in Modern Society (3)
 Geol 1110*—Geology and Earth Systems (4)
 Math 1296*—Calculus I (5)
 Math 1297—Calculus II (5)
 Phys 2011*—General Physics I (4)
 Phys 2012—General Physics II (4)
 Phys 2021—Relativity and Quantum Physics (4)
 Phys 2022—Classical Physics (4)
 Phys 2033—Classical and Quantum Physics Lab (2)

Upper Division (53-54 cr)

Educ 3412—The Computer in Education (4)
 Educ 4234—Science, Technology, and Society (3)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)

EdSe 4214—Reading in the Middle Grades and Secondary Schools 5-12 (2)

EdSe 4255—Teaching Science: Grades 5-12 (3)

EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)

EdSe 4501—Educational Psychology (3)

EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of Middle Schools (2)

Geol 3210—Geomorphology (3)

or Geol 2110—Earth History (4)

or Geol 2120—Earth's Dynamic Interior (3)

Geol 4110—Advanced Earth Science for Teachers (2)

Hlth 3202—Drug Education (2)

Phys 3061—Instrumentation (3)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Teaching Social Studies

B.A.A.

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 concentration. Students complete additional coursework in education. Minnesota issues a broad area social studies teaching license, rather than a license to teach in a specific area such as history or geography.

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

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

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3) or Comp 3160—Advanced Writing: Social Sciences (3)
- Major requirements (103 cr):
Lower division courses in each of the seven social studies areas (34 cr), some courses also fulfill liberal education requirements), upper

division courses in an area of concentration (18 cr), other education and social studies courses (51 cr).

Required Courses

Social Studies Lower Division (34 cr)

Anth 1602*—Prehistoric Cultures

or Anth 1604*—Cultural Anthropology (4)

Econ 1003*—Economics and Society (*students with Econ concentration must take Econ 1003*)

or Econ 1022*—Principles of Economics: Macro

or Econ 1023*—Principles of Economics: Micro (3)

Geog 1202*—World Regional Geography

or Geog 1304*—Human Geography (3)

Geog 1414*—Physical Geography (4)

Hist 1207*—Dawn of Modern Europe

or Hist 1208*—Europe in the Modern Age (3)

Hist 1304*—U.S. History Part I: 1607-1877

or Hist 1305*—U.S. History Part II: 1865-Present (3)

Pol 1011*—American Government and Politics (3)

Pol 1050*—International Relations

or Pol 1500*—Introduction to Comparative Politics

or Pol 1610*—Politics and Society (3)

Psy 1003*—General Psychology (4)

Soc 1101*—Introduction to Sociology (4)

Social Studies Upper Division (3 cr)

Non-Western History

Credits taken for this non-western history category may not be counted toward a concentration.

Select one course:

Amln 2115—Ojibwe History and Culture (3)

Hist 2515*—Precolonial Africa (3)

Hist 3516—Society and Culture in 20th-Century Africa (3)

Pol 3570—Third World and Development (3)

Span 2540*—Latino Literatures and Cultures (3)

Required Education Courses (48 cr)

Educ 1101*—Education in Modern Society (3)

Educ 3412—The Computer in Education (4)

Educ 4234—Science, Technology, and Society (3)

Educ 4381—Teaching American Indian Students (2)

Educ 4500—Professional Issues in Teaching (1)

EdSe 3204—General Instructional Methods (4)

EdSe 3205—Apprenticeship: Middle School (2)

EdSe 3206—Apprenticeship: Secondary School (2)

EdSe 4100—Human Relations in Classrooms (2)

EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)

EdSe 4244—Teaching Social Studies: Grades 5-12 (3)

EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)

EdSe 4501—Educational Psychology (3)

EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of the Middle School (2)

Hlth 3202—Drug Education (2)

Social Studies Concentrations

Select one of the eight social science concentrations below.

Anthropology Concentration (18 cr)

Anth 4651—Development of Anthropological Theory (4)
Soc 3155—Quantitative Research Methods and Analysis (4)
Electives in 3xxx or 4xxx Anth courses (10 cr)

Economics Concentration (18 cr)

Students with an economics concentration must take Econ 1003 as their lower division Econ course. Econ 1022 or 1023 cannot count as a lower division course **and** count toward the concentration.

Econ 1022*—Principles of Economics: Macro (3)
Econ 1023*—Principles of Economics: Micro (3)
Electives in 3xxx, 4xxx, or 5xxx Econ courses (12 cr)

Geography Concentration (18 cr)

Geog 3401—Weather and Climate (3)
Geog 3702—Geography of United States and Canada (3)
or Geog 3707—Geography of Minnesota (2)
Geog 5612—Field Techniques (4)
Elective Geog courses at 3xxx or above (8-9 cr)

History Concentration (18 cr)

Choose from the following (no more than 8 cr in any one group):

Group I: United States History

Hist 2353—American Youth Culture (3)
Hist 2355—United States Military History (3)
Hist 2357*—Women in American History (3)
Hist 3316—U.S. Social History, 1800-1916 (3)
Hist 3317—American Expansion, 1800-1900 (3)
Hist 3361—The American City (3)
Hist 3365—American Society and Culture (3)
Hist 3384—American Foreign Relations I (3)
Hist 3385—American Foreign Relations II (3)
3xxx, 4xxx, 5xxx elective—U.S. history course (3-4 cr)

Group II: European History

CSt 3021—The Age of the Heroes: Homer and His World (3)
CSt 3055—The Ancient Near East (3)
CSt 3151—Ancient Egyptian Culture (3)
CSt 3161—Egyptian Literature and Language (3)
Hist 2244—The History of Science: Ancients to Newton (3)
Hist 2245—Science and Society: 1500 to Present (3)
Hist 2265*—Russia in the 20th Century (3)
Hist 3031—The Roman Republic (3)
Hist 3041—The Roman Empire (3)
Hist 3239—Europe in the Age of Renaissance and Reformation: 1348-1648 (3)
Hist 3240—Early Modern England: 1485-1689 (3)
Hist 3243—Europe in Crisis in the 20th Century (3)
Hist 3244—History of the Holocaust (3)
Hist 3257—Modern France (3)
Hist 3264—Imperial Russia (3)
Hist 3333—From Homer to Alexander: Archaic and Classical Greece (3)

Hist 3335—From Alexander to Mohammad (3)
3xxx, 4xxx, 5xxx elective—European history course (3-4 cr)

Group III: Asian History, African History, or Other Non-U.S., Non-European History

Hist 1603—Modern Latin America (3)
Hist 2515*—Precolonial Africa (3)
Hist 2525*—Islamic Societies (3)
Hist 3515—Modern Africa (3)
Hist 3516—Society and Culture in 20th-Century Africa (3)
Hist 3725—Islamic History from Muhammad to Ottomans (3)
Hist 3726—Modern Middle East: 18th Century-Present (3)
3xxx, 4xxx, 5xxx elective—Asian, African, or non-European history course (3-4 cr)

Political Science Concentration (18 cr)

Choose from the following (no more than 8 credits in any category):

Category I: United States Politics

Pol 3001—American Public Policy (3)
Pol 3020—State Government (3)
Pol 3040—Women and Politics (3)
Pol 3080—Environment and Politics (3)
Pol 3130—The Judicial Process (3)
Pol 3140—American Political Parties and Elections (3)
Pol 3150—American Constitutional Law I (4)
Pol 3151—American Constitutional Law II (4)
Pol 3170—Political Interest Groups and Individuals (3)
Pol 3221—Public Administration and Policy Analysis (3)
Pol 3310—Public Opinion and Propaganda (3)

Category II: International Politics

Pol 3400—Contemporary Issues in World Politics (4)
Pol 3402—American and Foreign Defense Policy (3)
Pol 3426—Politics of International Organization and Law (4)

Category III: Comparative Politics

Pol 3510—Russian and Eastern European Politics (4)
Pol 3517—Western European Political Systems (4)
Pol 3570—Third World and Development (3)

Category IV: Political Theory

Pol 3600—Political Concepts (4)
Pol 3610—Political Economy: An Introduction (4)
Pol 3651—History of Western Political Thought I (4)
Pol 3652—History of Western Political Thought II (4)

Psychology Concentration (18 cr)

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

Sociology Concentration (18 cr)

Soc 2111—Sociological Theory (4)
 Soc 3155—Quantitative Research Methods and Analysis (4)
 Soc 3701—Social Psychology (3)
 Soc 3831—Organization and Society
 or Soc 3821—Sociology of Community (3)
 Soc 3901—Social Change and Social Policy (3)
 Elective Soc course at 3xxx or 4xxx (2 cr)

Women's Studies Concentration (18 cr)

WS 1000*—Introduction to Women's Studies (3)
 WS 2101*—Women, Race, and Class (3)

Choose from the following (12 cr, minimum 6 cr from WS courses):

WS 3000—Transnational Perspectives on Feminism (3)
 WS 3001—Third World Women (3)
 WS 3002—Latin American Women: Culture and Politics (3)
 WS 3100—Feminist Theory (4)
 WS 3150—Women-Identified Culture (3)
 WS 3300—Women, Religion, and Spirituality (3)
 WS 3350—Women and the Law (3)
 WS 3600—Ecofeminist Theories and Practices (3)
 Anth 3628*—Women in Cross-Cultural Perspective (3)
 Geog 4394—Gender, Space and Culture (4)
 Hist 2357*—Women in American History (3)
 Pol 3040—Women and Politics (3)
 Psy 2223*—Gender in Society (4)
 Soc 4323—Women and Justice (3)
 Soc 4947—Sociology of Women (3)

* Courses that may be used to fulfill UMD liberal education program requirements.

Exit Standards

Students must successfully complete a student teaching experience and meet other competencies required for Minnesota licensure.

Teaching Spanish

B.A.A.

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.

Admission Requirements

See admission requirements under Secondary and K-12 Teacher Education.

Degree Requirements

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

- Liberal education requirements. Students are encouraged to take the following: Engl 1907*—Introduction to Literature (Category 9), and Ling 1811*—Introduction to Language (Category 2). Spanish majors and minors are exempted from the campus-wide requirement for international perspectives courses.
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3)
- Requirements for the major (67-87 cr) include: Course requirements as listed below.

Study abroad is essential for success in learning Spanish.

Students also complete a series of education courses in the Department of Education designed to meet the requirements for Minnesota teacher licensure, including a full semester of student teaching experience.

Students must pass the oral proficiency exam, maintain a 3.00 GPA in Spanish courses taken, complete the education courses and Lang 4044, and have the permission of the Spanish faculty and the Department of Education before being placed for their student teaching experience.

The core program in language skills (listening, speaking, reading, writing) is common to all majors and minors in Spanish. Students may be exempted from part or all of the core program requirements if they have previously completed Spanish language coursework. Exemptions are determined by the Department of Foreign Languages and Literatures, based on acceptance of transfer credits and work done in secondary school. As a rule, for example, students with three years of high school Spanish would enter the sequence at the intermediate Spanish level and be exempted from Spanish 1101-1102.

Required Courses

Lower Division (3-23 cr)

Educ 1101*—Education in Modern Society (3)
 Span 1101*—Beginning Spanish I (4)
 Span 1102*—Beginning Spanish II (4)
 Span 1201*—Intermediate Spanish I (4)
 Span 1202*—Intermediate Spanish II (4)
 Span 2301*—Advanced Spanish (4)

Upper Division (64 cr)

Educ 3412—The Computer in Education (4)
 Educ 4381—Teaching American Indian Students (2)
 Educ 4500—Professional Issues in Teaching (1)
 EdSe 3204—General Instructional Methods (4)
 EdSe 3205—Apprenticeship: Middle School (2)
 EdSe 3206—Apprenticeship: Secondary School (2)
 EdSe 4100—Human Relations in Classrooms (2)

Education and Human Service Professions

EdSe 4214—Reading in the Middle and Secondary School, Grades 5-12 (2)

EdSe 4400—Professional Development Seminar for Secondary Education Majors (1)

EdSe 4600—Student Teaching (12)

EdSe 5120—Philosophy and Organization of the Middle School (2)

ElEd 4345—Strategies, Assessment, and Management (4)

Hlth 3202—Drug Education (2)

Lang 4044—Language Teaching Methods (4)

Upper division Spanish courses (20 cr), including one culture course taught in Spanish.

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.

** Courses that may be used to fulfill UMD liberal education program requirements.*

Note: Students pursuing both the B.A. and the B.A.A. degrees in Spanish will need to complete satisfactorily 12 non-overlapping upper division credits of Spanish electives over and above the requirements for both degrees.

Exit Standards

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

Students must also successfully complete a semester of student teaching and meet other competencies required for Minnesota teacher licensure.

Special Education Licensure Program

- 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 possible.

For information on developmental disabilities (DD), physical and health impairments (PHI),

or visual impairments (VI), please contact the special education coordinator at UMD, 120 Montague Hall.

Admission to Candidacy Requirements

Admission to UMD as a special education postbaccalaureate student requires submission of a postbaccalaureate contract application; it is available at www.d.umn.edu/cehsp/licensure/post_bac.htm. Students must also apply for admission to the special education program; application instructions can be found on the same Web site. Admission is limited and based on the following criteria:

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

Application packets are sent to the student with the approved postbaccalaureate contract. Completed applications and all supporting documents are due April 1 for fall semester admission. Check with program coordinator 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 (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, 120 Montague Hall, 218-726-7483.

Early Childhood/Special Education Licensure Requirements

For students who do not hold an early childhood teaching license, the following courses or their equivalents must be taken to demonstrate the achievement of the Minnesota Board of Teaching Standards of Effective Practice (21 cr).

ECh 4400—Professional Development Seminar (1)

Educ 1000—Human Development (3)

Educ 1100*—Human Diversity (3)

Educ 1101*—Education in Modern Society (3)

ECh 3030—Inquiry, Social Studies, and Science Learning: Birth-Age Eight (5)

ECh 3050—Observing and Guiding Behavior: Birth-Age Eight (4)

Hlth 5161—School Health Programs: Early Childhood Through Middle School (2)

Required Courses

Special Education Core (12 cr)

SpEd 3205—Assessment in Early Childhood Special Education (4)

SpEd 4433/5433—Foundations in Special Education (4)

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

Early Childhood Core (17 cr)

ECh 4600—Student Teaching in Early Childhood/Primary (6)

ECh 4610—Professional Issues Seminar in Early Childhood Education (2)

ECh 3010/5010—Programs for Education of Young Children: Birth-Age Eight (4)

ECh 3020/5020—Literacy, Literature, and Mathematics: Birth-Age Eight (5)

Early Childhood Special Education Core (28 cr)

CSD 3130—Language Development and Disorders (4)

SpEd 3103/5103—Infants and Toddlers With Special Needs (4)

SpEd 3105/5105—Young Children With Special Needs: Ages Three to Eight (4)

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

SpEd 4434/5434—Assistive and Computer Technology for Teaching (3)

SpEd 4600/5600—Student Teaching (9)

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 post baccalaureate contract evaluation.

Psy 3371—Child and Adolescent Psychology (3)

Educ 1000—Human Development (3)

Hlth 3202—Drug Education (2)

Special Education Core (42 cr)

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

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

SpEd 4433/5433—Foundations in Special Education (4)

SpEd 4434/5434—Assistive Computer Technology for Teaching (3)

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

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

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

SpEd 4555/5555—Assessment and Instruction of Culturally and Linguistically Diverse Exceptional Learners (3)

SpEd 4600/5600—Student Teaching (12)

Emotional Behavioral Disorders Specialization Course

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

Learning Disabilities Specialization Course

SpEd 5351—Learning Disabilities Characteristics and Interventions (4)

Special Education Minor Only

Courses apply toward but do not complete K-12 special education licensure requirements. Remaining courses can be taken on a post-baccalaureate contract. The minor is open to both teaching and non-teaching majors, but does not fulfill minor requirements in elementary education.

Requirements (22 cr)

SpEd 4204—Assessment for Children and Youth With Disabilities (4)

SpEd 4381—Behavior Management Principles and Practices (4)

SpEd 4433—Foundations in Special Education (4)

SpEd 4434—Assistive Computer Technology for Teaching Special Education (3)

SpEd 4435—Parent and Professional Communication and Collaboration (4)

SpEd 4555—Assessment and Instruction of Culturally and Linguistically Diverse Exceptional Learners (3)

Unified Early Childhood Studies

B.A.S.

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 seven 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 organizational management and supervision.

The unified early childhood studies major leads to Minnesota licensure in early childhood education (birth through grade 3) and early childhood special education. Student teaching placements in diverse programs in the United States or internationally are available.

Admission Requirements

Students are admitted to UMD as pre-early childhood majors and must apply for candidacy after completion of lower division coursework. The number of students admitted to candidacy in the programs 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, and completion of the Pre-Professional Skills Test (PPST). Applications are available from the Department of Education Web site at www.d.umn.edu/educ. An entrance interview may be requested by the faculty selection committee. Applications, including all supporting documents, are due by 4:00 p.m. on the fifth Friday of each semester for admission the following semester. Students interested in the major are advised to apply during 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.

Maintenance Standards

Students who do not maintain satisfactory levels of progress (GPA of 2.70 in all program-required courses and acceptable performance in field experiences) will have their candidacy rescinded.

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 portfolio.

Students must meet this requirement after they take Educ1101*—Education in Modern Society and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for Educ 4991—Independent Study.

Student Teaching

Application for student teaching must be made by the fifth Friday of the semester before student teaching. Applications are available from the Department of Education Web site at www.d.umn.edu/educ. All incompletes must be cleared before filing the application. Students must have a 2.70 GPA to be eligible for student teaching and grades of C- or better in all required courses in the major.

Exit Standards

Recommendations for licensure are based on successful completion of all program-related courses; demonstration of satisfactory performance 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.

Grievance Procedure

Procedures for resolving student grievances are available from the program coordinator.

Personal Liability Insurance

Students must obtain personal liability insurance to protect themselves while working in programs. This usually is obtained most economically by a student membership in Education Minnesota. Applications are available in the Office of Field Experiences, 120 Montague Hall.

Degree Requirements

Requirements for the B.A.S. in unified early childhood studies (120 cr) include:

- Liberal education requirements
- Advanced writing requirement: Comp 3140—Advanced Writing: Human Services (3) or Comp 3150—Advanced Writing: Science (3)
- Major requirements (106-107 cr—some courses also fulfill liberal education requirements) satisfy the requirements for early childhood licensure in Minnesota

Required Courses

Lower Division (21-22 cr)

- ECh 2010—Introduction to Early Childhood Education: Birth-Age Eight (3)
 Educ 1000—Human Development (3)
 or Psy 2021*—Developmental Psychology (4)
 Educ 1100*—Human Diversity (3)
 Educ 1101*—Education in Modern Society (3)
 Soc 1201*—Sociology of the Family
 or Educ 5340—Interacting With Diverse Families (3)
 ECh 2015—Literacy for Young Children (3)
 ECh 2025—Cognitive Development: Theory to Practice (3)

* Courses that may be used to fulfill UMD liberal education program requirements.

Upper Division (85 cr)

- CSD 3130—Language Development and Disorders (4)
 ECh 3021—Teaching Mathematics: Birth to Age Eight (4)
 ECh 3022—Literacy for Young Children: Teaching Reading, Writing, Speaking, and Listening (4)
 ECh 3030—Inquiry, Social Studies, and Science Learning: Birth-Age Eight (5)
 ECh 3050—Observing and Guiding Behavior: Birth-Age Eight (4)
 ECh 3055—Creative Expressions in Early Childhood: Birth to Eight Years (3)
 ECh 3104—Family Partnerships (1)
 ECh 3106—Working With Young Children With Low Incidence Disabilities (4)
 ECh 4009—Early Childhood Administration (2)
 ECh 4251—Parenting (3)
 ECh 4400—Professional Development Seminar (1)
 ECh 4600—Student Teaching in Early Childhood/Primary (12)
 ECh 4610—Professional Issues Seminar in Early Childhood Education (2)
 Educ 3412—The Computer in Education (4)

- Hlth 5161—School Health Programs: Early Childhood Through Middle School (2)
 SpEd 3103—Infants and Toddlers With Special Needs (4)
 SpEd 3105—Young Children With Special Needs: Ages Three-Eight (4)
 SpEd 3109—Working With Challenging Behavior in Young Children (3)
 SpEd 3205—Assessment in Early Childhood Special Education (4)
 SpEd 4433—Foundations in Special Education (4)
 SpEd 4435—Parent and Professional Communication and Collaboration (4)
 SpEd 4600—Student Teaching (6)
 SpEd 4610—Professional Issues (1)

Exit Standards

Students must successfully complete a student teaching experience and meet other competencies required for Minnesota teacher licensure.