College of
EDUCATION AND HUMAN DEVELOPMENT

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General Information

The College of Education and Human Development offers a unique blend of academic excellence and applied knowledge, allowing students to learn from faculty members conducting research on a wide spectrum of topics from early childhood development to fitness and wellness to family structures to human resource development to learning across the lifespan. Most programs require students to apply classroom and textbook knowledge to the “real-world” situations of student teaching or internships.

CEHD's goals are reflected in the mission statement adopted in 2006: The College of Education and Human Development is a world leader in discovering, creating, sharing, and applying principles and practices of multiculturalism, and multidisciplinary scholarship to advance teaching and learning and to enhance the psychological, physical, and social development of children, youth, and adults across the lifespan in families, organizations, and communities.

First-Year Programs

The College prepares students to meet the challenges of finding solutions to real-world dilemmas and leading in increasingly culturally diverse classrooms, schools, and societies. Strongly committed to diversity, the College offers several programs to ensure academic success of all students.

Because community outreach also plays an important role in its mission, the College has developed an extensive network of community ties allowing transfer of classroom and research knowledge to practice in schools and the workplace, and the incorporation of community viewpoints into the College’s teaching and research missions.

First Year Experience (FYE)—All CEHD freshmen sign up for this two-semester course of study, which focuses on the social, academic, and institutional needs of first-year students. Faculty introduce students to the ways of creating knowledge in different academic disciplines, while encouraging them to build knowledge across the curriculum. Our goal is to give students the tools and confidence to become engaged citizens and future leaders in their communities.

Learning communities—As a part of the first-year experience, learning communities link together two or more courses around a common interest or theme. Classes are team-taught by top faculty who tailor content to experiences geared toward first-year students. It’s a great way for students to explore their academic interests while getting to know their professors and other students. For more information, see http://cehd.umn.edu/PSTL/learning.

During the admissions process, some students will be invited to participate in the following programs:

Access to Success—This program is designed for first-year students whose experiences and high school records indicate strong potential for college success, but whose high school rank and test scores may not meet the typical profile of students admitted to the College. Services address the needs of students with diverse backgrounds, including first-generation college students, student parents, students with disabilities, students of color, older students, and non-native speakers of English. Some students will also receive federally funded Trio Student Support Services.

Commanding English—A first-year program for U.S. residents from immigrant populations who have a high potential for college success and who can benefit from academic support. Commanding English helps students build college-level English and academic literacy through typical first-year courses, including writing, reading, speech, and immigration literature. All courses carry college credit and fulfill University requirements.

Admission

CEHD welcomes first-year and transfer students into its programs. Application steps are outlined below:

Freshman (first-year) students

The best way to see what the College of Education and Human Development is all about is to visit its Twin Cities campus. Schedule your visit through the University’s Office of Admissions, and tell them you’re interested in the College of Education and Human Development. See http://admissions.tc.umn.edu/visit or call 1-800-752-1000 or 612-625-0000 (TTY 612-625-9051).

Learn more about CEHD undergraduate programs at www.cehd.umn.edu/first-year.

Transfer students

Two categories of transfer students typically apply to CEHD undergraduate programs and must follow different application steps and processes, as outlined below:

Students new to the University of Minnesota

These students are transferring to CEHD from schools outside the University of Minnesota (e.g., community colleges or other postsecondary schools):

Step 1: Complete a University transfer admission application, available at http://admissions.tc.umn.edu/Apply.

University of Minnesota Office of Admissions
612-625-2008
http://admissions.tc.umn.edu

Step 2: Complete the CEHD Application Supplement form, available at http://cehd.umn.edu/students/Undergrad/Transfer.

Current University of Minnesota students

These students are transferring to CEHD from other University of Minnesota colleges (e.g., CLA, IT on the Twin Cities campus, or Duluth, Crookston, and Morris campuses).

Step 1: Fill out a University Application for Undergraduate Change of College, available in the “Applying to the University” section of the OneStop registration page: http://onestop.umn.edu/onestop/forms.html.

Step 2: Complete the CEHD Application Supplement form, available at http://cehd.umn.edu/students/Undergrad/Transfer.

CEHD application policies and deadlines vary by program, and policies are subject to change. For current information, contact the following offices:

CEHD Student Services
612-625-3339
cehdinfo@umn.edu
http://cehd.umn.edu/students/Undergrad/Transfer.
To sign up for transfer information sessions, go to: www.cehd.umn.edu/SPS/Events/InfoSession. For information about individual academic programs, contact CEHD Student Services, 25 Appleby Hall, 612-625-3339.

Orientation

The Office of Orientation & First-Year Programs is responsible for the University’s New Student Orientation and Welcome Week programs for freshman and transfer students. The campus-wide programs serve as the official welcome to the University of Minnesota. Planned with the College, the programs introduce students to the opportunities and resources available at the University. Information is sent to all students after admission to the University. Orientation programs are held throughout the summer; Welcome Week is held just prior to the beginning of the fall semester.

For more information, see New Student Orientation and Welcome Week in the General Information section of this catalog, or contact:

CEHD Student Services
612-625-3339
cehdinfo@umn.edu
http://cehd.umn.edu/student

Orientation & First-Year Programs
612-624-1979, 1-800-234-1979
ofyp@umn.edu
www.ofyp.umn.edu

Majors

The College’s undergraduate majors lead to bachelor of science (B.S.) degrees and prepare students for careers as educators and human development professionals in varied settings. Students can enter the College as freshmen (first-year) or transfer students. Major information is available at http://cehd.umn.edu.

Programs are offered in the following areas of study:

Education
• Business and marketing education
• Career and technical education
• Early childhood education foundations
• Elementary education foundations
• Kinesiology: pre-licensure for teaching physical education
• Technology education

Business
• Business and marketing education
• Human resource development
• Recreation, park, and leisure studies: commercial parks and recreation focus, public parks and recreation focus
• Sport management

Recreation and fitness
• Kinesiology: exercise science focus, pre-physical therapy focus
• Recreation, park, and leisure studies: outdoor education and recreation focus
• Sport management: youth services and development focus

Social sciences/human services
Family social science
Youth studies

Minors

Several undergraduate minors are available. Minors offer shorter, concentrated areas of study, usually totaling 15–20 credits.
• Coaching
• Family social science
• Family violence prevention
• Leadership
• Social justice
• Youth studies

Teaching Licensure

To teach in a public school classroom, students must be licensed by the state. Some CEHD teaching licensure programs are offered at the undergraduate level: career and technical education, music education, and technology education. Other licensure programs are offered in partnership with other colleges: Contact the College of Food, Agricultural and Natural Resource Sciences (CFANS) for agricultural education information; contact the College of Liberal Arts (CLA) for music education information.

Other CEHD initial licensure programs are offered at the master’s level; students must first complete an undergraduate degree with appropriate prerequisites.

The College offers initial licensure programs in adult basic education, agricultural education, art education, business and marketing education, early childhood education and early childhood special education, elementary education, English education, family education, industrial education (technology education), mathematics education, physical education, science education, second languages and cultures education (including English as a second language), social studies education, and special education. These licensure programs reflect the most current thinking and research in the field, with strong clinical experiences and special attention to multicultural education. These licensure programs are offered in partnership with other colleges: Contact the College of Food, Agricultural and Natural Resource Sciences (CFANS) for agricultural education information; contact the College of Liberal Arts (CLA) for music education information; contact the College of Education and Human Development for more information about teaching licensure programs, see http://cehd.umn.edu/teaching.

DirecTrack to Teaching

Undergraduates can embark on an accelerated path to teaching licensure through the DirecTrack to Teaching program. CEHD is looking for exceptional students who hold promise as future educators. DirecTrack offers early admission to the college’s initial licensure programs, which prepare students for Minnesota teaching licensure. By offering early exposure to the culture of teaching and schools, candidates can enter the profession with confidence and competence.

Currently enrolled University of Minnesota, Twin Cities, undergraduate students with either second-term freshman status or second-term sophomore status may apply. For program and application details, see http://cehd.umn.edu/DirecTrack.
Honors
Beginning in fall 2008, the University Honors Program (UHP) will offer rigorous and interdisciplinary curricula along with other honors experiences designed for highly qualified and motivated students. Honors courses, available only to honors students, offer small class sizes, close interaction with world-class faculty, and an engaging learning atmosphere. The University Honors Program serves honors students in all colleges. See the University Honors Program section at the front of this catalog for more information, or visit the University Honors Program Web site at [www.honors.umn.edu](http://www.honors.umn.edu). Students admitted before fall 2008 will continue to follow the honors requirements outlined at the time they entered their college honors program. All students admitted to honors as of fall 2008 will follow the requirements of the new University Honors Program. Students admitted to a college honors program before fall 2008 and who change colleges must apply to the UHP if they want to participate in Honors. If admitted, they will be held to the new UHP requirements. See the University Honors Program section of this catalog for further instructions on how to apply.

Policies and Procedures
Students are responsible for complying with all University of Minnesota policies and CEHD and academic program requirements. See the “Policies” section of this catalog.

Graduation Requirements
The University has developed Graduation Planner to help students to fulfill requirements while making sure that they are on track to graduate in four years. This Web-based interactive planning tool was designed to simplify the degree-planning process for students, providing them with clear expectations and allowing for focused and meaningful interaction with advisers. Students will be able to access all current course information and program requirements in one easy-to-use program, creating customized plans that will help them stay on track for timely graduation. Students can access Graduation Planner at [http://onestop.umn.edu/onestop/Degree_Planning/Graduation_Planner.html](http://onestop.umn.edu/onestop/Degree_Planning/Graduation_Planner.html). Students must apply for graduation to receive their degree. Requirements and deadlines are available on the Web at [http://onestop.umn.edu/onestop/graduating.html](http://onestop.umn.edu/onestop/graduating.html).

Scholarships
Students are encouraged to apply for scholarships to further their studies; most awards are made on an annual basis. In addition to financial aid offered by the University, the college administers several scholarship programs of its own. Find out more about available scholarships, application materials and instructions at CEHD Student Services, 25 Appleby Hall (612-625-3339; e-mail: cehdinfo@umn.edu) or online at [http://cehd.umn.edu/students/scholarships](http://cehd.umn.edu/students/scholarships) or [http://onestop.umn.edu](http://onestop.umn.edu).

Student Organizations
Students can join several undergraduate student groups, including:

**ASEHD (Association of Students in the College of Education and Human Development)**—brings together students of different majors within the College to organize and participate in social, community service, and professional development events in and around the University campus.

**CEHD Undergraduate Student Board**—is the governing body for all CEHD undergraduate student organizations and clubs. While providing leadership opportunities, the group helps to build a strong CEHD student community by providing feedback and student perspective to the Dean and other College leaders.

**Family Social Science Roundtable**—was established to create a sense of identity within the Department of Family Social Science, provide networking opportunities, promote healthy relationships, provide hands-on experience in community service and involvement, and encourage socialization with peers and faculty.
Directory

Administrative Offices

CEHD Dean’s Office
104 Burton Hall, Minneapolis
612-625-6806

CEHD Student Services
25 Appleby Hall, Minneapolis
612-625-3339

Institute of Child Development
180 Child Development, Minneapolis
612-624-0526
Director: Nicki Crick

Curriculum and Instruction
145 Peik Hall, Minneapolis
612-625-4006
Chair: Ruth Thomas

Educational Policy and Administration
330 Wulling Hall, Minneapolis
612-624-1006
Chair: Darwin Hendel

Educational Psychology
250 Education Sciences Building, Minneapolis
612-624-6083
Chair: Susan Hupp

Family Social Science
290 McNeal Hall, St. Paul
612-625-1900
Department head: B. Jan McCulloch

School of Kinesiology
111 Cooke Hall, Minneapolis
612-625-5300
Director: Mary Jo Kane

Postsecondary Teaching and Learning
140 Appleby Hall, Minneapolis
612-626-8705
Chair: Amy Lee

School of Social Work
105 Peters Hall, St. Paul
612-625-1220
Director: James Reinardy

Work and Human Resource Education
210A Vocational and Technical Education Building, St. Paul
612-625-3757
Chair: Kenneth Bartlett
College of
EDUCATION AND HUMAN DEVELOPMENT

Degree Programs and Minors

Business and Marketing Education B.S.

Work and Human Resource Education

• Required credits to graduate with this degree: 120.
• Required credits within the major: 52 to 55.

This undergraduate program focuses on business and marketing education, with a choice of computer or sales and marketing emphasis areas.

Coursework includes computer training, business communication, management, and marketing. The program prepares students to work as educators in business settings or to work in technical support and administration positions. This area of study can also prepare students for careers in office systems, accounting, marketing, sales, entrepreneurship, and international business.

Admission Requirements

Students must complete 30 credits before admission to the program.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements

A minimum grade of C- is required in major courses with BIE, EDHD, HRD, and WHRE designators. A minimum grade of C- is also required for general psychology. Students must complete at least 30 credits in the college, with at least 20 credits completed in the senior year. A minimum 2.80 GPA is required for admission to the M.Ed./initial licensure program in business and marketing education and Minnesota state teaching licensure in grades 5–12 business education.

Major Courses

ECON 1101, ECON 1102, and BA 3033W are required for students seeking Minnesota teaching licensure.

ECON 1101—Principles of Microeconomics, IP, SSCI (4 cr)
ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
APEC 1101—Principles of Microeconomics, SSCI (3 cr)
APEC 1102—Principles of Macroeconomics, IP, SSCI (3 cr)
BA 3033W—Business Communication, WI (3 cr)
WRIT 1102W—Technical and Professional Writing, WI (4 cr)
COMM 1101—Introduction to Public Speaking (3 cr)
PSY 1001—Introduction to Psychology, SSCI (4 cr)
PSY 1002—General Psychology, SSCI (4 cr)
MATH 1001—Excursions in Mathematics, MATH (3 cr)
MATH 1002—Mathematics, MATH (3 cr)
MATH 1003—College Algebra and Probability, MATH (3 cr)
STAT 1001—Introduction to the Ideas of Statistics, MATH (3 cr)
A higher level math course may be taken to fulfill this requirement. Consult an adviser for course options.

Supporting Program

Students must create a supporting program of at least 13 credits with a business theme. Students may choose from one of the three following options, but students seeking Minnesota teaching licensure for grades 5–12 business education must select from the licensure course group.

Programmatic

Students select at least 13 business-related credits, all of which have a common course designator.

-OR-

Thematic

Students select 13 credits that support a general business theme, regardless of course designator.

-OR-

Licensure

Courses should be selected with faculty adviser approval.

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

ACCT 2050—Introduction to Financial Reporting (4 cr)
BLAW 3058—The Law of Contracts and Agency (4 cr)
HRIR 3021—Human Resource Management and Industrial Relations (3 cr)
IDSC 3001—Information Systems for Business Processes and Management (3 cr)
MGMT 3001—Fundamentals of Management (3 cr)
MGMT 3014—Topics in International Business, Government, and Society (4 cr)
MGMT 4008—Entrepreneurial Management (4 cr)
MKTG 3001—Principles of Marketing (3 cr)
MKTG 4xxx

FSOS 3101—Personal and Family Finances (3 cr)
INS 4201—Personal Financial Management (2 cr)

Program Focus Areas

Students seeking Minnesota teaching licensure for grades 5–12 business education must select the computer focus area.

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

Computer Focus

BIE 5011—Introduction to Computer Applications (3 cr)
BIE 5012—Advanced Word Processing (3 cr)
BIE 5013—Spreadsheet Analysis Using Computers (3 cr)
BIE 5014—Database Computer Applications (3 cr)
BIE 5015—Integrated Computer Applications in Business and Marketing Education (3 cr)

WHRE 5628—Multimedia Presentations in Business (3 cr)

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

BIE 5597—Internship: Business and Industry Education (1–8 cr)
HRD 3201—Introduction to Training and Development (3 cr)
HRD 3301—Introduction to Organization Development (3 cr)
HRD 5302—Managing Work Teams in Business and Industry (3 cr)
WHRE 5121—Principles of Supervisory Management (3 cr)
WHRE 5301—Philosophy and Practice of Career and Technical Education (2 cr)
HRD 5627—Management and Supervisory Development (3 cr)
BIE 5662—Computer Training in School and Industry Settings (3 cr)
WHRE 5601—Student and Trainee Assessment (2 cr)
WHRE 5629—Course Development for Business and Industry (2 cr)
WHRE 5661—Instructional Methods for Business and Industry (2 cr)

Sales and Marketing Focus

BIE 3061—Professional Sales Management (3 cr)
BIE 5001—Teaching Marketing Promotion (3 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
HRD 5624—Sales Training (3 cr)
HRD 5626—Customer Service Training (3 cr)

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

BIE 5597—Internship: Business and Industry Education (1–8 cr)

Note: Programs listed in this catalog are current as of March 2008.
HRD 3201—Introduction to Training and Development (3 cr)
HRD 3301—Introduction to Organization Development (3 cr)
HRD 5302—Managing Work Teams in Business and Industry (3 cr)
WHRE 5121—Principles of Supervisory Management (3 cr)
WHRE 5301—Philosophy and Practice of Career and Technical Education (2 cr)
HRD 5627—Management and Supervisory Development (3 cr)
BIE 5662—Computer Training in School and Industry Settings (3 cr)
WHRE 5601—Student and Trainee Assessment (2 cr)
WHRE 5629—Instructional Methods for Business and Industry (2 cr)
WHRE 5661—Instructional Methods for Business and Industry (2 cr)

Career and Technical Education B.S.

Work and Human Resource Education

- Required credits to graduate with this degree: 120.
- Required credits within the major: 90.

The major in career and technical education (CTE) is a professional development degree program offering professional preparation in the field. Students may select one of several program options.

The licensure program option prepares students for Minnesota teaching licensure for grades 9-12 in one of eight career and technical education fields:

- communication technology careers
- construction careers
- creative design careers
- early childhood careers
- hospitality service careers
- manufacturing careers
- medical careers
- transportation careers

The general career and technical education option prepares students to teach in technical and community college CTE programs.

For more information on program and licensure requirements, contact the program adviser at 612-625-7250.

Admission Requirements

Students must complete 30 credits before admission to the program.

Students must have completed at least 30 semester credits or sufficient verified and approved technical work experience to be awarded 30 credits toward the degree. Applicants to the postsecondary general career and technical education option must have a minimum 2.00 GPA.

For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

Program Requirements

A minimum 2.00 overall GPA with no grade lower than C- is required for major courses with the following designators: BIE, EDHD, HRD, and WHRE. A minimum grade of C- is also required for general psychology. A minimum 2.50 overall GPA is required for recommendation for Minnesota teaching licensure.

Electives to complete the 120 credits must be selected in consultation with an adviser.

Degree Programs • Coaching Minor

Foundation Courses

- BA 3033W—Business Communication, WI (3 cr)
- or WRIT 3562W—Technical and Professional Writing, WI (4 cr)
- or CI 5452—Reading in the Content Areas for Initial Licensure Candidates (1 cr)
- or COMM 1101—Introduction to Public Speaking (3 cr)
- or PSTL 1281—General Psychology, SSCI (4 cr)
- or PSY 1001—Introduction to Psychology, SSCI (4 cr)
- or MATH 1001—Excursions in Mathematics, MATH (3 cr)
- or MATH 1031—College Algebra and Probability, MATH (3 cr)

Pedagogical Studies

- BIE 1396—Supervised Career and Technical Education Teaching (4 cr)
- or EDHD 5001—Learning, Cognition, and Assessment (3 cr)
- or WHRE 1301—Introduction to Career and Technical Education Teaching (2 cr)
- or WHRE 3601—Foundations of Student and Trainee Assessment (2 cr)
- or WHRE 5601—Student and Trainee Assessment (2 cr)
- or WHRE 5629—Instructional Methods for Business and Industry (2 cr)
- or WHRE 5661—Instructional Methods for Business and Industry (2 cr)
- or WHRE 5662—Instructional Methods for Business and Industry (2 cr)
- or WHRE 5301—Philosophy and Practice of Career and Technical Education (2 cr)

Career Content Proficiency

Up to 32 credits may be completed before enrollment in the CTE program. Credits may include occupational experience, formal technical college coursework, military or industrial experience, or workshops related to the field. Credits will be evaluated for transfer to BIE 3151. The remainder of credits in this requirement must be completed after enrollment.

Complete 44 or more credits from the following:

- BIE 3151—Technical Development: Advanced (1–32 cr)
- BIE 5151—Technical Development: Specialized (1–12 cr)
- BIE 5596—Occupational Experience in Business and Industry (1–10 cr)
- BIE 5993—Directed Study in Business and Industry (1–4 cr)
- EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
- PUBH 3005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)
- or PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)
- or WHRE 3011W—Introduction to Technology and Public Ethics, C/PE, WI (3 cr)
- or WHRE 5011W—Technology and Public Ethics, C/PE, WI (3 cr)

Coaching Minor

Kinesiology, School of

Required credits in this minor: 21 to 42.

The coaching minor offers an in-depth study of the theoretical and practical nature of coaching through a planned and integrated series of courses. Completion of the coaching minor also will qualify the student for the University of Minnesota Coaching Certificate.

Additional program offerings also include a certificate in coaching.

Program Requirements

Admission is open to all University students. A Coaching Program Application Form must be submitted. Students must also maintain a 2.50 GPA in courses submitted for the completion of the coaching minor.

- KIN 3113—First Responder for Coaches and Athletic Trainers (3 cr)
- or Current American Red Cross Standard First Aid and CPR Certification
- or KIN 3114—Prevention and Care of Athletic Injuries (3 cr)
- or KIN 3133—Motor Control, Learning, and Development (3 cr)
- or KIN 3143—Organization and Management of Sport (3 cr)
- or KIN 5725—Organization and Management of Physical Education and Sport (3 cr)

For the most up-to-date listing of program requirements, visit the [ONLINE CATALOG at www.catalogs.umn.edu/programs.html](http://www.catalogs.umn.edu/programs.html).
Take one KIN or two INMD courses in human anatomy.
KIN 3027—Human Anatomy for Kinesiology Students (3 cr)
or KIN 3111—Human Anatomy (2 cr)
or take the following course pair
ANAT 3001—Human Anatomy (3 cr)
ANAT 3602—Principles of Human Anatomy Laboratory (2 cr)

Electives
In addition to the courses below, any program-related course approved by an adviser can be applied toward this minor.

Psychology and Physiology
Take 2 or more course(s) from the following:
KIN 3112—Introduction to Biomechanics (3 cr)
KIN 4385—Exercise Physiology (4 cr)
KIN 5126—Sport Psychology (3 cr)
KIN 5136—Psychology of Coaching (3 cr)
SMGT 3621—Applied Sport Psychology (2 cr)

Coaching
Take 2 or more course(s) from the following:
KIN 3168—Soccer Coaching Theory and Skill Development (2 cr)
KIN 3169—Volleyball Coaching Theory and Skill Development (2 cr)
KIN 3171—Baseball Coaching Theory and Skill Development (2 cr)
KIN 3172—Basketball Coaching Theory and Skill Development (2 cr)
KIN 3173—Football Coaching Theory and Skill Development (2 cr)
KIN 3174—Golf Coaching Theory and Skill Development (2 cr)
KIN 3175—Gymnastics Coaching Theory and Skill Development (2 cr)
KIN 3176—Ice Hockey Coaching Theory and Skill Development (2 cr)
KIN 3177—Swimming and Diving Coaching Theory and Skill Development (2 cr)
KIN 3178—Tennis Coaching Theory and Skill Development (2 cr)
KIN 3179—Track and Field Coaching Theory and Skill Development (2 cr)
KIN 3181—Wrestling Coaching Theory and Skill Development (2 cr)
KIN 5720—Special Topics in Kinesiology (1–8 cr)

Senior Project
KIN 4697 includes a coaching experience under the supervision of a head coach or athletic director generally in a 7-12 grade setting. Coinciding with the practicum is a class requiring three integrated papers incorporating a personal coaching philosophy, the role of sport in society, and the identification of challenges in coaching in today’s society.
KIN 4697—Student Teaching: Coaching (3 cr)

Early Childhood Education Foundations B.S.
Institute of Child Development
- Required credits to graduate with this degree: 120.
- Required credits within the major: 60.

The undergraduate program in early childhood education foundations prepares upper division students to work with young children and their families and to work with both typically or atypically developing children. The curriculum includes an extensive core of liberal education courses that are central to early childhood teaching and child development.

The program prepares graduates to work in non-licensure educational settings (including daycare centers or youth community programs), pursue advanced degrees, or work in other settings where a strong liberal education base is useful.

In addition, the undergraduate degree program prepares students for entry into the master of education (M.Ed.)/initial licensure program in early childhood education and early childhood special education. M.Ed. admission requirements include successful completion of all requirements for the B.S. degree, and successful school practicum experiences. Preferred admission to the M.Ed. program requires a minimum 2.80 GPA.

Admission Requirements
Students must complete 60 credits before admission to the program.
A GPA above 2.00 is preferred for the following:
- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.

Program admission is based on the following criteria:
- Minimum 2.50 overall GPA
- Completion of at least 60 credits, including credits in progress at the time of application. This includes completion of the two-course psychology requirement and at least half of the courses in content areas 2-6. After program admission, students must complete remaining courses in content areas 2-6 and all courses in content areas 7-8.
- Reflective essay. See the CEHD Undergraduate Application for Early Childhood Education Foundations for more information.

For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

Basic Requirements (Content Area 1)
One year college-level spoken second language or American Sign Language (ASL) is highly recommended.
PSTL 1281—General Psychology, SSCI (4 cr)
or PSY 1001—Introduction to Psychology, SSCI (4 cr)
CPSY 2301—Introductory Child Psychology, SSCI (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
or PSTL 2283W—Psychology of Human Development, SSCI, WI (4 cr)

Language and Communication (Content Area 2)
COMM 1101—Introduction to Public Speaking (3 cr)
or COMM 3402—Introduction to Interpersonal Communication, SSCI (3 cr)
or PSTL 1461—Oral Communication in the Public Sphere, C/PE (3 cr)
PSY 4345—Language Development and Communication (3 cr)
or LING 5501—Introduction to Language Acquisition (3 cr)
ENGL 3601—Analysis of the English Language (4 cr)
or LING 1701—Language and Society, CD (4 cr)
or LING 3001—Introduction to Linguistics, SSCI (4 cr)

Mathematics (Content Area 3)
EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
or PSTL 1004—Statistics, MATH (4 cr)
or PSY 4801—Introduction to Statistics (4 cr)
or STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
MATH 1031—College Algebra and Probability, MATH (3 cr)
or MATH 1051—Precalculus I (3 cr)
or MATH 1151—Precalculus II, MATH (3 cr)
Logic/computer skills course approved by an adviser.

Science (Content Area 4)
Students must complete a biological science course with a lab, a physical science course with a lab, and one science course with or without a lab. Select any course in the diversified core BIO/L.
Select any course in the diversified core PHYS/L.
Select any course in the diversified cores BIO/L, PHYS, or ENVTL.

Social Studies (Content Area 5)
CSCL 3979—Issues in Cultural Pluralism, C/PE, CD (3 cr)
or PSTL 1851—Multicultural Relations, CD (3 cr)
or SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
or SOC 3211W—American Race Relations, CD, SSCI, WI (3 cr)
PSTL 1231—Perspectives in American History, HP (4 cr)
or HIST 1301W—U.S. History to 1877, CD, HP, WI (4 cr)

Note: Programs listed in this catalog are current as of March 2008.
Communication Arts and Literature (Content Area 6)
AMIN 1201W—American Indian Literature, CD, LIT, WI (3 cr)
or ENGL 1201W—Contemporary American Literature, CD, LIT, WI (4 cr)
or ENGL 1301W—Introduction to Multicultural Literatures of the United States, CD, LIT, WI (4 cr)
or ENGL 3005W—Survey of American Literatures and Cultures I, CD, LIT, WI (4 cr)
or ENGL 3006W—Survey of American Literatures and Cultures II, CD, LIT, WI (4 cr)
or ENGL 3598—Introduction to African American Literature and Culture II (4 cr)
or PSTL 1364—Literature of the American Immigrant Experience, CD, LIT (3 cr)
or PSTL 1365W—Literatures of the United States, CD, LIT, WI (3 cr)
or PSTL 1816—African-American Literature, CD, LIT (3 cr)
or PSTL 1836—Asian-American Literature, CD, LIT (3 cr)
CI 3401—Children’s Literature: Pre-K Through Grade 5 (3 cr)

One elective from the following areas: music, art, dance, theater, philosophy, or an elective approved by an adviser.

Program Requirements
Requirements include a minimum 2.00 GPA and no grade lower than C- for major courses with the following designators and numbers: CI, CPSY, EDHD, EPSY, and KIN 4132.

Students planning to pursue the M.Ed./initial licensure program in early childhood education and early childhood special education and Minnesota state teaching licensure must have a 2.80 GPA in the undergraduate program and meet other requirements. The Praxis I test must be completed before graduation and before entry into the M.Ed./initial licensure program.

Foundation Courses (Content Area 7)
CPSY 4331—Social and Personality Development (4 cr)
CPSY 4343—Cognitive Development (3 cr)
CPSY 4993—Directed Instruction in Child Psychology (1–4 cr)
EDHD 5007—Technology for Teaching and Learning (1.5 cr)
EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
EDHD 5015—Fundamentals of Alcohol and Drug Abuse (2 cr)
EDHD 3005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)
KIN 4132—Motor Development (3 cr)

Major Courses (Content Area 8)
Students must be admitted to the program before taking these courses. Many of the major courses have an experiential component.
CI 5111—Introduction to Elementary School Teaching (3 cr)
CPSY 5251—Social and Philosophical Foundations of Early Childhood Education (3 cr)
CPSY 5252—Facilitating Social and Physical Learning in Early Childhood Education (3 cr)
CPSY 5253—Facilitating Cognitive and Creative Learning in Early Childhood Education (3 cr)
CPSY 5281—Student Teaching in Early Childhood Education (3–6 cr)
EPSY 5625—Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction (2 cr)
EPSY 5681—Education of Infants, Toddlers, and Preschool Children with Disabilities: Methods and Materials (3 cr)

Pre-Licensure or Non-Licensure Options
Students are required to complete one of the following course groups.

Preparation for M.Ed. Initial Licensure
Students planning to pursue the M.Ed./initial licensure program in early childhood education and early childhood special education must complete courses in Sections A and B. Coursework in Section A may be completed during the senior year of the undergraduate Early Childhood Education Foundations program or as part of the M.Ed./initial licensure program.
Coursework in Section B must be taken after admission to the M.Ed. program.

Section A
CPSY 4334W—Children, Youth in Society, C/PE, WI (4 cr)
CPSY 4336W—Development and Interpersonal Relations, WI (4 cr)
EPSY 5099—Family-centered Services (2 cr)
EPSY 5616—Behavior Analysis and Classroom Management (3 cr)

Section B
EPSY 5753 requires two, three-credit teaching experiences.
CI 5181—Clinical Experience in Elementary School Teaching (3–8 cr)
CI 5415—Literacy Development in the Primary Grades (3 cr)
CI 5504—Elementary School Science: Materials and Resources (3 cr)
CI 5701—Teaching Social Studies in the Elementary School (2 cr)
CI 5821—Teaching Mathematics in the Elementary School (2 cr)
EPSY 5762—Student Teaching: Early Childhood Special Education (1–6 cr)
EPSY 5849—Observation and Assessment of the Preschool Child (3 cr)

Non-Licensure Option
Students complete appropriate electives of interest for their program, in consultation with their adviser.

Elementary Education Foundations B.S.
Curriculum and Instruction
• Required credits to graduate with this degree: 120.
• Required credits within the major: 60.

The B.S. degree program in elementary education foundations prepares students to work with children, including those with special needs and in urban school settings.

The program does not lead directly to teaching licensure, but prepares students to enter the master of education (M.Ed.)/initial licensure program in elementary education, which leads to state of Minnesota teaching licensure. It also prepares graduates to work in non-licensure educational settings (daycare centers or youth community programs) or other settings where a strong liberal education base is useful. The curriculum includes an extensive core of liberal education coursework that is central to elementary school teaching.

Admission Requirements
Students must complete 60 credits before admission to the program.
A GPA above 2.00 is preferred for the following:
• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.

Admission is based on the following criteria:
• Minimum 2.50 overall GPA; higher GPA is recommended.
• Completion of at least 60 credits, including credits in progress at the time of application. This includes general psychology coursework and at least half of the courses in each of the five content areas.
• At least 70 hours of paid or unpaid experience working
with children, including at least 35 hours in a K-6 public classroom setting. This may include mentoring, tutoring, and camp counseling, but not babysitting or nannying.

- Experience with diverse populations.

Completion of two semesters of language is recommended before admission.

For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu)

**Basic Requirements (Content Area 1)**

MUS 1001 may be waived for students who have musical aptitude equivalent to five to six years study of an instrument, through high school. Contact a program advisor for more information.

CT 1001—Introduction to the Elementary School (3 cr)

**Language and Communication**

- ENGL 3601—Analysis of the English Language (4 cr)
- LING 1701—Language and Society, CD (4 cr)
- LING 3001—Introduction to Linguistics, SSCI (4 cr)
- LING 5001—Introduction to Linguistics (4 cr)

**Psychology**

PSY 1001—Introduction to Psychology, SSCI (4 cr)

**Music**

- MUS 1001—Fundamentals of Music, OH (3 cr)
- MUS 1061—Class Piano for Nonmusic Majors I, OH (2 cr)

**Mathematics (Content Area 2)**

Students pursuing a middle school specialty in mathematics must complete one course in statistics and one course in calculus.

**College Algebra**

- MATH 1031—College Algebra and Probability, MATH (3 cr)

**Statistical Reasoning, Calculus, or Logic**

- EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
- PSTL 1004—Statistics, MATH (4 cr)
- PSTL 1005—Functions and Problems of Logic, MATH (3 cr)
- MATH 1142—Short Calculus, MATH (4 cr)
- MATH 1271—Calculus I, MATH (4 cr)
- MATH 1272—Calculus II (4 cr)
- MATH 1281—Calculus with Biological Emphasis I, MATH (4 cr)
- MATH 1371—IT Calculus I, MATH (4 cr)
- PHIL 1001—Introduction to Logic, MATH (4 cr)
- STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
- STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

**Mathematics for Elementary Teachers**

Complete one of the following course pairs after admission to the major.

**Topics in Elementary Mathematics**

MATH 3113—Topics in Elementary Mathematics I (4 cr) and MATH 3118—Topics in Elementary Mathematics II (4 cr)

**Mathematics Education**

MTHE 3101—Mathematics and Pedagogy for Elementary Teachers I (4 cr) and MTHE 3102—Mathematics and Pedagogy for Elementary Teachers II (4 cr)

**Science (Content Area 3)**

Students pursuing a middle school specialty in science should take both physics and chemistry.

**Biological Science With Lab**

- BIOL 1001—Introductory Biology I: Evolutionary and Ecological Perspectives, BIOL SCI/L, ENVT, PHYS SCI/L (4 cr)
- PSTL 1131—Principles of Biological Science, BIOL SCI/L (4 cr)

**Earth Science With Lab**

- AST 1001—Exploring the Universe, ENVT, PHYS SCI/L (4 cr)
- GEO 1001—Earth and Its Environments, ENV, PHYS SCI/L (4 cr)
- SOIL 1125—The Soil Resource, ENV, PHYS SCI/L (4 cr)

**Physical Science With Lab**

- PHYS 3071W—Laboratory-Based Physics for Teachers, PHYS SCI/L, WI (4 cr)
- PSTL 1163—Physical Systems: Principles and Practices, PHYS SCI/L (4 cr)

**Science Elective (With or Without Lab)**

Any science course elective with or without lab.

- PSTL 1112—Ecological Evaluation of Environmental Problems, ENV, BIOL SCI/L (4 cr)
- BIOL 2012—General Zoology (4 cr)
- GEO 1002—Earth History, ENV, PHYS SCI/L (4 cr)
- PHYS 1001W—Energy and the Environment, ENV, PHYS SCI/L, WI (4 cr)
- PHYS 1101W—Introductory College Physics I, PHYS SCI/L, WI (4 cr)
- PHYS 1102W—Introductory College Physics II, PHYS SCI/L, WI (4 cr)
- CHEM 1011—Introductory Chemistry: Lecture and Laboratory, PHYS SCI/L (4 cr)

**Social Studies (Content Area 4)**

Students pursuing a middle school specialty in social studies must complete 1 political science course.

**Cultural Pluralism/Diversity**

- AMST 3113W—America’s Diverse Cultures, CD, OH, WI (3 cr)
- CSCL 3979—Issues in Cultural Pluralism, C/PE, CD (3 cr)
- ENGL 3741—Literacy and American Cultural Diversity, C/PE, CD (4 cr)
- PSTL 1211—People and Problems, CD, SSCI (4 cr)
- PSTL 1851—Multicultural Relations, CD (4 cr)
- SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
- SOC 3211W—American Race Relations, CD, SSCI, WI (3 cr)
- POL 1001—American Democracy in a Changing World, C/PE, SSCI (4 cr)
- POL 1201—Political Ideas and Ideologies, C/PE, SSCI (4 cr)
- POL 3225—American Political Thought, C/PE (3 cr)
- POL 3319—Education and the American Dream, C/PE, SSCI (3 cr)

**American History**

- PSTL 1231—Perspectives in American History, HP (4 cr)

**Human Geography**

- GEOG 1301W—Our Globalizing World, IP, SSCI, WI (4 cr)

**Non-U.S. History Elective**

Select any course that meets the Council on Liberal Education (CLE) requirements in both Historical Perspectives (HP) and International Perspectives (IP).

**Communication and Literature (Content Area 5)**

Students pursuing the middle school specialty in communication arts and literature are required to take one of the ENGW courses in creative writing listed below. Completion of a course with the designator ARTH, ARTS, COMM, DNCE, ENGL, HUM, PHIL, or TH will not fulfill the requirement for those with a middle school specialty.

**Literature of American Minorities**

- AFRO 3594W—Introduction to Contemporary Black Writers, WI (3 cr)
- AMIN 3201W—American Indian Literature, CD, LIT, WI (3 cr)
- CHIC 3507W—Introduction to Chicana/o Literature, LIT, CD, WI (3 cr)
- ENGL 1301W—Introduction to Multicultural Literatures of the United States, CD, LIT, WI (4 cr)
- ENGL 3300—Multicultural American Literatures and Cultures (3 cr)
- PSTL 1364—Literature of the American Immigrant Experience, CD, LIT, WI (3 cr)
- PSTL 1816—African-American Literature, CD, LIT (3 cr)
- PSTL 1836—Asian-American Literature, CD, LIT (3 cr)
- AFRO 3591W—Introduction to African American Literature, LIT, WI (4 cr)
- ENGL 3598—Introduction to African American Literature and Culture II (4 cr)
- AFRO 3592W—Introduction to Black Women Writers in the United States, CD, LIT, WI (3 cr)
- ENGL 3592W—Introduction to Black Women Writers in the United States, CD, LIT, WI (3 cr)

**Note:** Programs listed in this catalog are current as of March 2008.
Contemporary Literature
AFRO 3601—Introduction to African Literature, LIT, IP (3 cr)
or ENGL 1401W—Introduction to “Third World” Literatures in English, IP, LIT, WI (4 cr)
or ENGL 3004W—Historical Survey of British Literatures II, HP, WI (4 cr)
or ENGL 3171—Modern British Literatures and Cultures (3 cr)
or ENGL 3180—Contemporary Literatures and Cultures (3 cr)
or PSTL 1367W—Contemporary Literature: International Perspectives, IP, LIT, WI (4 cr)

Arts/Humanities Elective
ENGW 1101W—Introduction to Creative Writing, LIT, WI (4 cr)
or ENGW 1102—Introduction to Fiction Writing (3 cr)
or ENGW 1103—Introduction to Poetry Writing (3 cr)
or ENGW 1104—Introduction to Literary Nonfiction Writing (3 cr)
or ENGW 3102—Intermediate Fiction Writing (3 cr)
or ENGW 3104—Intermediate Poetry Writing (3 cr)
or ENGW 3106—Intermediate Literary Nonfiction Writing (3 cr)
or ENGW 3110—Topics in Creative Writing (3 cr)
or PSTL 1311—Art: General Art, IP, OH (3 cr)
or Any course from the following designators: ARTH, ARTS, COMM, DNCE, ENGL, HUM, PHIL, TH.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Introduction to Elementary Education
These courses must be taken in the first semester of the program.
Take all of the following in the same term:
CI 5111—Introduction to Elementary School Teaching (3 cr)
CI 5183—Applying Instructional Methods in the Elementary Classroom (1–2 cr)
EDHD 5001—Learning, Cognition, and Assessment (3 cr)

Special Education
These courses must be taken one year after the Introduction to Elementary Education courses.
Take all of the following in the same term:
CI 5183—Applying Instructional Methods in the Elementary Classroom (1–2 cr)
EPSY 5613—Foundations of Special Education I (3 cr)
EPSY 5616—Behavior Analysis and Classroom Management (3 cr)

Foundation Courses
EDHD 5003—Developmental and Individual Differences in Educational Contexts (3 cr)
EDHD 5005—School and Society (2 cr)
EDHD 5007—Technology for Teaching and Learning (1.5 cr)
EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)
or PUBH 3005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)

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

Middle School Specialty (Grades 5–8)
Students selecting a middle school specialty may be required to complete additional coursework in mathematics, science, social studies, or communication arts and literature. These additional requirements are noted in content areas above. Consult an adviser for more information.
CPSY 4303—Adolescent Psychology (4 cr)
-OR-

Preprimary Specialty (Ages 3–4)
The following courses are recommended for students in this specialty area:
CPSY 4343 and CPSY 5251. The following courses are required for licensure:
CPSY 4331—Social and Personality Development (4 cr)
CPSY 4993—Directed Instruction in Child Psychology (1–4 cr)
CPSY 5252—Facilitating Social and Physical Learning in Early Childhood Education (3 cr)
CPSY 5253—Facilitating Cognitive and Creative Learning in Early Childhood Education (3 cr)
CPSY 5281—Student Teaching in Early Childhood Education (3–6 cr)

Child Psychology
CPSY 2301—Introductory Child Psychology, SSCI (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)

Family Social Science B.S.

Degree Programs • Family Social Science B.S.

Family Social Science
• Required credits to graduate with this degree: 120.
• Required credits within the major: 55 to 58.
• This program requires summer terms.
Family social science is a multidisciplinary major for those who are interested in helping people, counseling, and understanding human relationships. This major prepares graduates for careers in working with individuals, families, or systems in human services. The major is enhanced by a required internship related to the student’s specific program and career goals. Qualified graduates may continue their education through graduate study in family social science, child and human development, social work, or allied health disciplines.

Admission Requirements
For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu)

Program Requirements

Economics
APEC 1101—Principles of Microeconomics, SSCI (3 cr)
or APEC 1102—Principles of Macroeconomics, IP, SSCI (3 cr)
or ECON 1101—Principles of Microeconomics, IP, SSCI (4 cr)
or ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
or ECON 1104—Principles of Microeconomics, IP, SSCI (4 cr)

Statistics
STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
or PSTL 1004—Statistics, MATH (4 cr)
or EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
or OMS 2550—Business Statistics: Data Sources, Presentation, and Analysis (4 cr)
or psy 4801—Introduction to Statistics (4 cr)
or STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

Additional Course
FSOS 1101—Intimate Relationships, CD, SSCI (4 cr)
or FSOS 1201—Human Development in Families: Lifespan, SSCI, CD (4 cr)
or PSTL 1211—People and Problems, CD, SSCI (4 cr)
or PSTL 1281—General Psychology, SSCI (4 cr)
or PSTL 1285W—Introduction to Cultural Anthropology, IP, SSCI, WI (4 cr)
or PSTL 1289—Psychology of the American Experience, CD, SSCI (4 cr)
or SW 1001—Introduction to the World of Social Work: A Global Perspective (3 cr)
or Choose a course from one of the following areas: anthropology, child psychology, human development, political science, psychology, social work, or sociology

Communication Courses
COMM 1101—Introduction to Public Speaking (3 cr)
or PSTL 1461—Oral Communication in the Public Sphere, C/PE (3 cr)
or PSTL 1311—Art: General Art, IP, OH (3 cr)
or PSTL 1289—Psychology of the American Experience, CD, SSCI (4 cr)
or PSTL 1367W—Contemporary Literature: International Perspectives, IP, LIT, WI (4 cr)

Major Courses
FSOS 2101—Preparation for Working With Families (2 cr)
FSOS 2103—Family Policy (3 cr)
FSOS 2105—Methods in Family Research (3 cr)

For the most up-to-date listing of program requirements, visit the ONLINE CATALOG at [www.catalogs.umn.edu/programs.html](http://www.catalogs.umn.edu/programs.html)
Program Requirements

**Family Violence Prevention Minor**

**School of Social Work**

- Required credits in this minor: 15.

The family violence prevention minor is a 15-credit graduate program for students interested in strengthening their educational experience with a research base and a set of practical skills in family violence prevention. It is an intensive, interdisciplinary learning experience for students in all fields of study.

Courses are in fields related to social services, education, health care, and other direct services addressing issues related to child abuse and neglect, adult domestic violence, elder abuse, and intergenerational abuse. Students learn theories and research related to violent behavior, examine relationships between violence in society and violence within families, and explore different professional responses to violence. Elective courses provide the opportunity to integrate these concepts into further study within a major or in other fields of interest.

**Human Resource Development B.S.**

**Work and Human Resource Education**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 40.

The B.S. in human resource development (HRD) prepares students for positions in training, career development, organization development, employee assistance, and workplace learning and development.

Undergraduate students prepare for entry-level employment in human resource development. Typical careers in the field include instructional designer, technical trainer, training coordinator, organization development specialist, performance consultant, training facilitator, or learning and development specialist.

Undergraduates can also develop a foundation for advanced study and the degrees (M.Ed., M.A., Ph.D., or Ed.D.) that are typically required for advancement in the field. All students select a programmatic or thematic supporting program. Although there are few restrictions on the choice of supporting program, students usually choose to focus on the fields of human resources and industrial relations, psychology, adult education, management, or communication studies.

The program core requires students to develop a baseline understanding of training and development, organization development, and adult education. Students who complete the B.S. degree in human resource development also earn a certificate in human resource development. For more information on the certificate, see the certificates section.

**Note:** Programs listed in this catalog are current as of March 2008.
Admission Requirements
Students must complete 60 credits before admission to the program.
A GPA above 2.00 is preferred for the following:
• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.
Admission requirements include 60 credits, completed or in progress.
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements
A minimum 2.00 GPA with no grade lower than C- is required for major courses with the following designators: ADED, BIE, HRD, and WHRE. A minimum grade of C- is also required for general psychology.

Foundation Courses
All students must have basic competence in computer applications. Students lacking such competence at the time of admission must take BIE 5011. Students with basic competence must take one advanced course, chosen in consultation with the department adviser.
WHRE 3011—Introduction to Technology and Public Ethics, C/P, WI (3 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
or An advanced computer course, chosen in consultation with an adviser.
COMM 1101—Introduction to Public Speaking (3 cr)
ECON 1101—Principles of Microeconomics, IP, SSCI (4 cr)
or ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
PSTL 1281—General Psychology, SSCI (4 cr)
or PSY 1001—Introduction to Psychology, SSCI (4 cr)
MATH 1001—Excursions in Mathematics, MATH (3 cr)
or MATH 1031—College Algebra and Probability, MATH (3 cr)
or STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
or One higher level math course
WRIT 3562W—Technical and Professional Writing, WI (4 cr)
or One advanced composition course approved by an adviser.

Major Courses
HRD 5001—Introduction to Human Resource Development (3 cr)
HRD 5196—Profession and Practice of Human Resource Development (2 cr)
HRD 5201—Introduction to Training and Development (3 cr)
HRD 5301—Introduction to Organization Development (3 cr)
HRD 5519—Internship: Human Resource Development (1-10 cr)
ADED 3101—Introduction to Strategies for Teaching Adults (3 cr)
Take 5 or more credit(s) from the following:
WHRE 5121—Principles of Supervisory Management (3 cr)
WHRE 5201—Family and Work Relationships (3 cr)
HRD 3xxx
HRD 5xxx

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

Programmatic
Students select 13 credits, all of which have a common course designator. Frequently selected programs include human resources/industrial relations (HRIR), speech communication (COMM), management (MGMT), adult education (ADED), and business and industry education (BIE). Choices are not limited to these designators.

Thematic
Students select 13 credits that support a common theme, regardless of course designator. Sample themes include ethical perspectives, international education, work and family, and conflict management. Courses must be selected in consultation with the department adviser.

Kinesiology B.S.
Kinesiology, School of
• Required credits to graduate with this degree: 120 to 125.
• Required credits within the major: 54 to 59.
The bachelor of science (B.S.) program in kinesiology prepares individuals for roles in sports/health clubs or corporate fitness/exercise centers, or serves as background for exercise rehabilitation, exercise physiology, biomechanics, social psychology of sport, motor behavior, ergonomics, human factors, and other human performance contexts. Kinesiology is an appropriate major for students seeking careers in the fitness/wellness industries or the allied health sciences, such as physical and occupational therapy, medicine, and nursing. It can be used as preparation for the M.Ed./initial licensure program in physical education, which prepares students for Minnesota teaching licensure in K-12 physical education.

Admission Requirements
Students must complete 60 credits before admission to the program.
Freshmen and transfer students are usually admitted to premajor status before admission to this major.
A GPA above 2.00 is preferred for the following:
• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.
Take one course from each of the following course groups. At least five of the six required prerequisite courses must be completed and/or in progress at the time of application.
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Biology Course With Lab
BIOL 1001—Introduction to Biology I: Evolutionary and Ecological Perspectives, BIOL SCI/L, ENVT (4 cr)
or BIOL 1009—General Biology, BIOL SCI/L (4 cr)
or BIOL 1009H—Honors: General Biology, BIOL SCI/L, H (4 cr)
or FSCN 1021—Introductory Microbiology, BIOL SCI/L (4 cr)
or PSTL 1131—Principles of Biological Science, BIOL SCI/L (4 cr)
or PSTL 1135—Human Anatomy and Physiology, BIOL SCI/L (4 cr)

Chemistry Course With Lab
CHEM 1011—Introductory Chemistry: Lecture and Laboratory, PHYS SCI/L (4 cr)
or CHEM 1021—Chemical Principles I, ENVT, PHYS SCI/L (4 cr)
or CHEM 1022—Chemical Principles II, ENVT, PHYS SCI/L (4 cr)
or CHEM 1031H—Honors Chemistry I, ENVT, PHYS SCI/L, H (4 cr)
or CHEM 1032H—Honors Chemistry II, ENVT, PHYS SCI/L, H (4 cr)

Physics Course With Lab
PHYS 1101W—Introductory College Physics I, PHYS SCI/L, WI (4 cr)
or PHYS 1201W—Introductory Physics for Biology and Pre-medicine I, PHYS SCI/L, WI (5 cr)
or PHYS 1310W—Introductory Physics for Science and Engineering I, PHYS SCI/L, WI (4 cr)
or PHYS 1401V—Honors Physics I, PHYS SCI/L, WI, H (4 cr)

Psychology
PSTL 1281—General Psychology, SSCI (4 cr)
or PSY 1001—Introduction to Psychology, SSCI (4 cr)

Speech Performance
COMM 1101—Introduction to Public Speaking (3 cr)
or COMM 1101H—Honors: Introduction to Public Speaking, H (3 cr)
or COMM 1313W—Analysis of Argument, WI (3 cr)
or PSTL 1461—Oral Communication in the Public Sphere, C/P (3 cr)
Statistics
EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
or PSTL 1004—Statistics, MATH (4 cr)
or STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
or STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

Program Requirements
The following courses are strongly recommended, but not required, before admission to the program: KIN 3027 or INMD 3001, KIN 1871, and five physical activity courses (1 credit each) chosen from at least four of the following categories: aquatics, conditioning, weight training, dance, individual and dual sports/activities, team sports/activities. Students pursuing K-12 physical education licensure must complete additional requirements; consult with a faculty adviser.

Major Courses
KIN 1871—Introduction to Kinesiology (2 cr)
KIN 3112—Introduction to Biomechanics (3 cr)
KIN 3131W—History and Philosophy of Sport, WI (3 cr)
KIN 3133—Motor Control, Learning, and Development (3 cr)
KIN 3131M—Measurement, Evaluation, and Research in Kinesiology (3 cr)
KIN 4385—Exercise Physiology (4 cr)

Anatomy
ANAT 3001—Human Anatomy (3 cr)
or ANAT 3611—Principles of Human Anatomy (3 cr)
or ANAT 3601—Principles of Human Anatomy (3 cr)
or KIN 3027—Human Anatomy for Kinesiology Students (3 cr)
or KIN 3111—Human Anatomy (2 cr)

Sport Psychology
KIN 3126W—Psychology and Sociology of Sport, WI (3 cr)

Physiology
KIN 3385—Human Physiology (4 cr)
or PHSL 3051—Human Physiology (4 cr)

Core Electives
Students must complete 6 credits in one of the sub-requirements.
Take 15 or more credit(s) including 4 or more sub-requirement(s) from the following:

Human Performance
Take 0–2 course(s) from the following:
HUMF 5001—Foundations of Human Factors/Ergonomics (3 cr)
HUMF 5722—Human Factors Psychology (3 cr)
KIN 4132—Motor Development (3 cr)
KIN 4135—Motor Control and Learning (3 cr)
KIN 4520—Current Topics in Kinesiology (1-4 cr)
KIN 5720—Special Topics in Kinesiology (1-8 cr)
KIN 5001—Foundations of Human Factors/Ergonomics (3 cr)
KIN 5171—Foundations of Kinesiology (3 cr)
KIN 5141—Nutrition for Health and Physical Performance (3 cr)
KIN 5142—Applied Sport Nutrition for Athletic Performance (3 cr)

Sports Management
Take 0–2 course(s) from the following:
KIN 5111—Sports Facilities (3 cr)
KIN 5115—Event Management in Sport (3 cr)
KIN 5421—Sport Finance (3 cr)
KIN 5461—Foundations of Sport Management (3 cr)
KIN 5690—Sport Management Ethics and Policy (3 cr)
KIN 5631—Programming and Promotion in Sport (3 cr)
KIN 5725—Organization and Management of Physical Education and Sport (3 cr)
KIN 5801—Legal Aspects of Sport and Recreation (4 cr)

Exercise Science
Take 0–2 course(s) from the following:
KIN 5122—Applied Exercise Physiology (3 cr)
KIN 5141—Nutrition for Health and Physical Performance (3 cr)
KIN 5385—Exercise for Disease Prevention and Management (3 cr)
KIN 5435—Advanced Theory and Techniques of Exercise Science (3 cr)
KIN 5485—Advanced Electrocardiogram, Graded Exercise Testing, and Prescription (3 cr)

Sports Sociology/Psychology
Take 0–2 course(s) from the following:
KIN 5126—Sport Psychology (3 cr)
KIN 5136—Psychology of Coaching (3 cr)
KIN 5371—Sport and Society (3 cr)
KIN 5375—Competitive Sport for Children and Youth (3 cr)
KIN 5511—Women in Sport and Leisure (3 cr)
KIN 5723—Psychology of Sport Injury (3 cr)

Motor Control
Take 0–2 course(s) from the following:
KIN 5235—Advanced Biomechanics II: Kinetics (3 cr)
KIN 5941—Neural Basis of Movement (3 cr)
RSC 5135—Advanced Biomechanics I: Kinematics (3 cr)
RSC 5841—Rehabilitation Science Instrumentation and Methodology (4 cr)

CPR Certification
Students must complete CPR certification within one year before their program graduation date.
KIN 3113—First Responder for Coaches and Athletic Trainers (3 cr)
or First aid and CPR certification.

Field Experience/Directed Study/Coaching
All upper division students are required to complete practical experiences, coaching, or directed study in the selected focus.
Take 10 or more credit(s) from the following:
KIN 3696—Supervised Practical Experience (1–10 cr)
KIN 3993—Directed Study in Kinesiology (1–10 cr)
KIN 3993H—Directed Study in Kinesiology, H (1–10 cr)
KIN 4697—Student Teaching: Coaching (3 cr)
KIN 5196—Practicum: Developmental/Adapted Physical Education (1–4 cr)

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

Exercise Science

Required Courses for the Sub-Plan

Emphasis Electives
Students in this emphasis must complete 10–17 credits of KIN 1xxx-5xxx courses or other faculty adviser approved courses.
Take 10 or more credit(s) from the following:
KIN 1xxx
KIN 2xxx
KIN 3xxx
KIN 4xxx
KIN 5xxx

Physical Education Activity Courses
Take 5 or more course(s) including 4 or more sub-requirement(s) from the following:

Dance
Take 0–2 course(s) from the following:
DNCE 1001—Modern Dance Technique 1 (1 cr)
DNCE 1002—Modern Dance Technique 2 (1 cr)
DNCE 1010—Modern Dance Technique 3 (2 cr)
DNCE 1020—Modern Dance Technique 4 (2 cr)
DNCE 1101—Ballet Technique 1 (1 cr)
DNCE 1102—Ballet Technique 2 (1 cr)
DNCE 1110—Ballet Technique 3 (2 cr)

Note: Programs listed in this catalog are current as of March 2008.
Degree Programs • Kinesiology B.S.

DNCE 1201—Jazz Technique 1 (1 cr)
DNCE 1202—Jazz Technique 2 (1 cr)
DNCE 1210—Jazz Technique 3 (1 cr)
DNCE 1220—Jazz Technique 4 (1 cr)
DNCE 1301—Tap Technique 1 (1 cr)
DNCE 1302—Tap Technique 2 (1 cr)
DNCE 1310—Jazz Technique 5 (1 cr)
DNCE 1320—Ballroom 1 (1 cr)
DNCE 1321—Ballroom 2 (1 cr)
DNCE 1330—Jazz Technique 6 (1 cr)
DNCE 1331—Tap Technique 3 (1 cr)
DNCE 1332—Tap Technique 4 (1 cr)
DNCE 1333—Body Mind Centering (2 cr)
DNCE 1340—Dance Therapy (1 cr)

Aquatics
Take 0–2 course(s) from the following:
PE 1004—Diving: Springboard (1 cr)
PE 1007—Beginning Swimming (1 cr)
PE 1107—Intermediate Swimming (1 cr)
PE 1205—Scuba and Skin Diving (1 cr)
PE 1306—Lifeguard Training (1 cr)
PE 1411—Water Safety Instructor (2 cr)

Conditioning/Weight Training
Take 0–2 course(s) from the following:
PE 1014—Conditioning (1 cr)
PE 1015—Weight Training (1 cr)
PE 1415—Advanced Weight Training and Conditioning (1 cr)

Individual Sports
Take 0–2 course(s) from the following:
PE 1016—Posture and Individual Exercise (1 cr)
PE 1022—Whitewater Kayaking (2 cr)
PE 1029—Handball (1 cr)
PE 1031—Sabre Fencing (1 cr)
PE 1032—Badminton (1 cr)
PE 1033—Foil Fencing (1 cr)
PE 1034—Judo (1 cr)
PE 1035—Karate (1 cr)
PE 1036—Racquetball (1 cr)
PE 1037—Squash Racquets (1 cr)
PE 1038—Beginning Tennis (1 cr)
PE 1041—Cycling (1 cr)
PE 1042—Orienteering (1 cr)
PE 1043—Beginning Horse Riding (1 cr)
PE 1044—Self-Defense (1 cr)
PE 1045—Rock Climbing (1 cr)
PE 1046—Taekwondo (1 cr)
PE 1047—Backpacking (2 cr)
PE 1048—Bowling (1 cr)
PE 1053—Ice Skating (1 cr)
PE 1055—Golf (1 cr)
PE 1056—Nordic (Cross-Country) Skiing (1 cr)
PE 1057—Beginning Skiing (1 cr)
PE 1058—Snowboarding (1 cr)
PE 1059—Track and Field (1 cr)
PE 1065—Beginning Tumbling and Gymnastics (1 cr)
PE 1133—Intermediate Foil Fencing (1 cr)
PE 1135—Intermediate Karate (1 cr)
PE 1136—Intermediate Racquetball (1 cr)
PE 1138—Intermediate Tennis (1 cr)
PE 1154—Figure Skating (1 cr)
PE 1157—Intermediate Skiing (1 cr)
PE 1165—Intermediate Tumbling and Gymnastics (1 cr)

Team Sports
Take 0–2 course(s) from the following:
PE 1067—Basketball (1 cr)
PE 1071—Beginning Cricket (1 cr)
PE 1072—Soccer (1 cr)
PE 1073—Softball (1 cr)
PE 1074—Beginning Volleyball (1 cr)
PE 1075—Ice Hockey (1 cr)
PE 1174—Intermediate Volleyball (1 cr)

Pre-Licensure
This emphasis is for students planning to pursue the pre-physical education teaching licensure.

Required Courses for the Sub-Plan

Education Courses
CPSY 4303—Adolescent Psychology (4 cr)
EDHD 5001—Learning, Cognition, and Assessment (3 cr)
EDHD 5005—School and Society (2 cr)
EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
KIN 3143—Organization and Management of Sport (3 cr)
CPSY 3201—Introductory Child Psychology, SSCI (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
KIN 5103—Developmental/Adapted Physical Education (3 cr)
or KIN 5104—Physical Activities for Persons with Disabilities (3 cr)
PUBH 3004—Basic Concepts in Personal and Community Health (4 cr)
or PUBH 3005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)
or take the following course pair
PUBH 3001—Personal and Community Health (2 cr)
and PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)

Physical Education Activity Courses
Take a minimum of 10 courses from the following:

Dance
DNCE 1xxx
or DNCE 2xxx
or DNCE 3xxx
or DNCE 4xxx
or DNCE 5xxx

Tumbling/Floor Exercise
KIN 3175—Gymnastics Coaching Theory and Skill Development (2 cr)
or PE 1065—Beginning Tumbling and Gymnastics (1 cr)
or PE 1165—Intermediate Tumbling and Gymnastics (1 cr)

Individual Sports
Take 2 or more course(s) from the following:
KIN 3177—Swimming and Diving Coaching Theory and Skill Development (2 cr)
PE 1029—Handball (1 cr)
PE 1031—Sabre Fencing (1 cr)
PE 1032—Badminton (1 cr)
PE 1033—Foil Fencing (1 cr)
PE 1034—Judo (1 cr)
PE 1035—Karate (1 cr)
PE 1036—Racquetball (1 cr)
PE 1037—Squash Racquets (1 cr)
PE 1044—Self-Defense (1 cr)
PE 1045—Rock Climbing (1 cr)
PE 1046—Taekwondo (1 cr)
PE 1047—Backpacking (2 cr)
PE 1048—Bowling (1 cr)
PE 1053—Ice Skating (1 cr)
PE 1055—Golf (1 cr)

For the most up-to-date listing of program requirements, visit the Online Catalog at www.catalogs.umn.edu/programs.html.
KIN 3178—Tennis Coaching Theory and Skill Development (2 cr)  
or  PE 1038—Beginning Tennis (1 cr)

**Track and Field**

KIN 3179—Track and Field Coaching Theory and Skill Development (2 cr)  
or  PE 1059—Track and Field (1 cr)

**Lifetime Activity**

KIN 5726—Physical Education—Teaming and Trekking (2 cr)  
or  KIN 5727—Physical Education—An Adventure Experience (1 cr)  
or  PE 1007—Beginning Swiming (1 cr)  
or  PE 1022—Whitewater Kayaking (2 cr)  
or  PE 1041—Cycling (1 cr)  
or  PE 1042—Orienteering (1 cr)  
or  PE 1043—Beginning Horse Riding (1 cr)  
or  PE 1045—Rock Climbing (1 cr)  
or  PE 1047—Backpacking (2 cr)  
or  PE 1053—Ice Skating (1 cr)  
or  PE 1056—Nordic (Cross-Country) Sking (1 cr)  
or  PE 1057—Beginning Skiing (1 cr)  
or  PE 1058—Snowboarding (1 cr)  
or  PE 1107—Intermediate Swimming (1 cr)  
or  PE 1154—Figure Skating (1 cr)  
or  PE 1205—Scuba and Skin Diving (1 cr)  
or  REC 2151—Outdoor and Camp Leadership (3 cr)

**Conditioning/Weight Training**

PE 1014—Conditioning (1 cr)  
or  PE 1015—Weight Training (1 cr)

**Team Sports**

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

- PE 1075—Ice Hockey (1 cr)
- KIN 3168—Soccer Coaching Theory and Skill Development (2 cr)  
or  PE 1072—Soccer (1 cr)  
or  KIN 3169—Volleyball Coaching Theory and Skill Development (2 cr)  
or  PE 1074—Beginning Volleyball (1 cr)  
or  PE 1174—Intermediate Volleyball (1 cr)  
or  KIN 3171—Baseball Coaching Theory and Skill Development (2 cr)  
or  PE 1073—Softball (1 cr)  
or  KIN 3172—Basketball Coaching Theory and Skill Development (2 cr)  
or  PE 1067—Basketball (1 cr)

**Pre-Physical Therapy**

**Required Courses for the Sub-Plan**

**Emphasis Electives**

Students in this emphasis must complete 10-17 credits of 1xxx-5xxx courses, approved by a faculty adviser. Course options include:

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

- KIN 1xxx
- KIN 2xxx
- KIN 3xxx
- KIN 4xxx
- KIN 5xxx
- BIOL 2012—General Zoology (4 cr)
- BIOL 3211—Animal Physiology (3 cr)
- BIOL 2005—Animal Diversity Laboratory (1 cr)
- VBS 2032—General Microbiology With Laboratory (4 cr)
- CHEM 1022—Chemical Principles II, ENVT, PHYS SCI/L (4 cr)
- PHYS 2021—Introductory Physics II, PHYS SCI/L, WI (4 cr)
- PHYS 1202W—Introductory Physics for Biology and Pre-medicine II, PHYS SCI/L, WI (5 cr)
- PSY 3604—Introduction to Abnormal Psychology (3 cr)
- MATH 1142—Short Calculus, MATH (4 cr)
- MATH 1271—Calculus I, MATH (4 cr)
- PT 1002—Orientation to Physical Therapy (1 cr)
- CHEM 2301—Organic Chemistry I (3 cr)
- CHEM 2302—Organic Chemistry II (3 cr)
- CHEM 2311—Organic Lab (4 cr)
- PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS SCI/L, WI (4 cr)
- FSCN 1012—Sports Nutrition (2 cr)
- FSCN 1021—Introductory Microbiology, BIOL SCI/L (4 cr)
- FSCN 1112—Principles of Nutrition, ENVT (3 cr)
- COMM 3411—Introduction to Small Group Communication (3 cr)
- SMGT 4641—Training and Conditioning for Sport (3 cr)

**Physical Education Activity Courses**

Take 5 or more course(s) including 4 or more sub-requrement(s) from the following:

**Dance**

Take 0–2 course(s) from the following:

- DNCE 1001—Modern Dance Technique 1 (1 cr)
- DNCE 1002—Modern Dance Technique 2 (1 cr)
- DNCE 1010—Modern Dance Technique 3 (2 cr)
- DNCE 1020—Modern Dance Technique 4 (2 cr)
- DNCE 1101—Ballet Technique 1 (1 cr)
- DNCE 1102—Ballet Technique 2 (1 cr)
- DNCE 1110—Ballet Technique 3 (2 cr)
- DNCE 1201—Jazz Technique 1 (1 cr)
- DNCE 1202—Jazz Technique 2 (1 cr)
- DNCE 1210—Jazz Technique 3 (1 cr)
- DNCE 1220—Jazz Technique 4 (1 cr)
- DNCE 1301—Tap Technique 1 (1 cr)
- DNCE 1302—Tap Technique 2 (1 cr)
- DNCE 1311—International Folk Dance 1 (1 cr)
- DNCE 1312—International Folk Dance 2 (1 cr)
- DNCE 1321—Ballroom 1 (1 cr)
- DNCE 1322—Ballroom 2 (1 cr)
- DNCE 1331—Yoga (1 cr)
- DNCE 1332—Yoga for Dancers (1 cr)
- DNCE 3110—Ballet Technique 5 (2 cr)
- DNCE 3120—Ballet Technique 6 (2 cr)
- DNCE 3210—Jazz Technique 5 (1 cr)
- DNCE 3220—Jazz Technique 6 (1 cr)
- DNCE 3301—Tap Technique 3 (1 cr)
- DNCE 3302—Tap Technique 4 (1 cr)
- DNCE 3337—Body Mind Centering (2 cr)
- DNCE 1325—Latin Dance (1 cr)
- DNCE 1335—Tai Chi Ch’uan (1 cr)
- DNCE 1347—Stott Pilates Conditioning (1 cr)

**Aquatics**

Take 0–2 course(s) from the following:

- PE 1004—Diving: Springboard (1 cr)
- PE 1007—Beginning Swimming (1 cr)
- PE 1107—Intermediate Swimming (1 cr)
- PE 1205—Scuba and Skin Diving (1 cr)
- PE 1305—Scuba Stress Rescue and Accident Management (1 cr)
- PE 1306—Lifeguard Training (1 cr)
- PE 1411—Water Safety Instructor (2 cr)

**Conditioning/Weight Training**

Take 0–2 course(s) from the following:

- PE 1014—Conditioning (1 cr)
- PE 1015—Weight Training (1 cr)
- PE 1016—Posture and Individual Exercise (1 cr)
- PE 1415—Advanced Weight Training and Conditioning (1 cr)

**Individual Sports**

Take 0–2 course(s) from the following:

- PE 1016—Posture and Individual Exercise (1 cr)
- PE 1022—Whitewater Kayaking (2 cr)
- PE 1029—Handball (1 cr)
- PE 1031—Sabre Fencing (1 cr)
- PE 1032—Badminton (1 cr)
- PE 1033—Foil Fencing (1 cr)
- PE 1034—Judo (1 cr)
- PE 1035—Karate (1 cr)

**Note:** Programs listed in this catalog are current as of March 2008.
EDPA 4303W—Leadership for Global Citizenship, WI (3 cr)
or
EDPA 3302—Leadership, You, and Your Community (3 cr)

Program Requirements
EDPA 1301W—Personal Leadership in the University, WI (3 cr)
or
PE 1036—Racquetball (1 cr)
PE 1037—Squash Racquets (1 cr)
PE 1038—Beginning Tennis (1 cr)
PE 1041—Cycling (1 cr)
PE 1042—Orienteering (1 cr)
PE 1043—Beginning Horse Riding (1 cr)
PE 1044—Self-Defense (1 cr)
PE 1045—Rock Climbing (1 cr)
PE 1046—Tae Kwon Do (1 cr)
PE 1047—Backpacking (2 cr)
PE 1048—Bowling (1 cr)
PE 1053—Ice Skating (1 cr)
PE 1055—Golf (1 cr)
PE 1056—Nordic (Cross-Country) Skiing (1 cr)
PE 1057—Beginning Skiing (1 cr)
PE 1058—Snowboarding (1 cr)
PE 1059—Track and Field (1 cr)
PE 1065—Beginning Tumbling and Gymnastics (1 cr)
PE 1133—Intermediate Foil Fencing (1 cr)
PE 1135—Intermediate Karate (1 cr)
PE 1136—Intermediate Racquetball (1 cr)
PE 1138—Intermediate Tennis (1 cr)
PE 1154—Figure Skating (1 cr)
PE 1157—Intermediate Skiing (1 cr)
PE 1165—Intermediate Tumbling and Gymnastics (1 cr)

Team Sports
Take 0–2 course(s) from the following:
PE 1067—Basketball (1 cr)
PE 1071—Beginning Cricket (1 cr)
PE 1072—Soccer (1 cr)
PE 1073—Softball (1 cr)
PE 1074—Beginning Volleyball (1 cr)
PE 1075—Ice Hockey (1 cr)
PE 1174—Intermediate Volleyball (1 cr)

Leadership Minor
Educational Policy and Administration
• Required credits in this minor: 16.

The undergraduate leadership minor is a 16-credit interdisciplinary program that helps students gain understanding and experience in multiple frameworks of leadership. The program develops the leadership and social change skills of undergraduates for their roles as citizens on the University campus and in the larger global community. This minor is a collaborative effort of the college’s department of Educational Policy and Administration (EDPA), the University’s Hubert H. Humphrey Institute, and the Office for Student Affairs.

Admission Requirements
Students must complete 1 course before admission to the program.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.
EDPA 1301W—Personal Leadership in the University, WI (3 cr)
or
PA 1961W—Personal Leadership in the University, WI (3 cr)

Program Requirements
EDPA 3302—Leadership, You, and Your Community (3 cr)
or
PA 3961—Leadership, You, and Your Community (3 cr)
EDPA 4303W—Leadership for Global Citizenship, WI (3 cr)
or
PA 4961W—Leadership for Global Citizenship, WI (3 cr)

Field Experience
EDPA 3402—Leadership Minor: Field Experience (2 cr)
or
PA 3971—Leadership Minor Field Experience (2 cr)

Electives
In consultation with the minor office, take at least 5 additional credits to complete the 16-credit requirement for the minor.

Recreation, Park, and Leisure Studies B.S.
Kinesiology, School of
• Required credits to graduate with this degree: 124 to 128.
• Required credits within the major: 90.

The undergraduate program in recreation, park, and leisure studies prepares students to assume leadership, supervisory, or beginning administrative responsibilities in various park, recreation, leisure service, and sport management agencies. The program also prepares students for graduate study in outdoor recreation/education, park and recreation administration, and sport management. Many students combine recreation, park, and leisure studies with coursework in other disciplines, such as management, social work, physical and occupational therapy, creative arts, human growth and development, special education, and psychology. Students pursuing a B.S. degree may choose one of the following emphasis areas of leisure services management: commercial parks and recreation; outdoor education and recreation; and public parks and recreation sub-plans.

Admission Requirements
Students must complete 30 credits before admission to the program.

Students must complete at least 30 credits of the University’s liberal education requirements, including the freshman writing requirement; have earned a minimum overall GPA of 2.00, with preference given to applicants with a higher average; and have relevant education- or career-related experience, paid or volunteer. Appropriate related and major courses may be applied toward these requirements.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements
Requirements include a minimum 2.00 GPA and no grade lower than C- for major courses with the REC designator. A minimum grade of C- is also required for general psychology.

Foundation Courses
For additional college requirements, consult with an SPS program adviser.
Take 3 or more course(s) from the following:
PE 1xxx
COMM 1101—Introduction to Public Speaking (3 cr)
or
COMM 1313W—Analysis of Argument, WI (3 cr)
or
PSTL 1461—Oral Communication in the Public Sphere, C/PE (3 cr)
or
PSTL 1211—Introduction to Sociology, CD, SSCI (4 cr)
or
SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
or
PSTL 1281—General Psychology, SSCI (4 cr)
or
PSY 1001—Introduction to Psychology, SSCI (4 cr)
or
PUBH 3004—Basic Concepts in Personal and Community Health (4 cr)
or
PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)

Major Courses
REC 1501—Orientation to Leisure and Recreation (3 cr)
REC 3281—Research and Evaluation in Recreation, Park, and Leisure Studies (4 cr)

For the most up-to-date listing of program requirements, visit the ONLINE CATALOG at www.catalogs.umn.edu/programs.html.
Program Sub-Plans
Students are required to complete one of the following sub-plans.

Commercial Parks and Recreation
For additional requirements, consult with an SPS program adviser.

Additional Foundation Courses
Complete 3 credits from ADED, ASL, BIE, CI, CPSY, EDHD, EDPA, EPSY, HRD, WHRE, YOST

Commercial Parks and Recreation Focus
Take 16 credits in recreation courses related to an emphasis area, selected in consultation with a major adviser.

Additional Courses
REC 5191—Commercial Recreation and Tourism (3 cr)
REC 5801—Legal Aspects of Sport and Recreation (4 cr)

Supporting Program
No more than three 1xxx courses, selected in consultation with an adviser, may count toward completing the sub-plan.

Take 24 or more credit(s) including 3 or more sub-requirement(s) from the following:

Marketing and Management
ACCT 2050—Introduction to Financial Reporting (4 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
BLAW 3058—The Law of Contracts and Agency (4 cr)
MGMT 3001—Fundamentals of Management (3 cr)
MKTG 3001—Principles of Marketing (3 cr)

Economics
APEC 1102—Principles of Macroeconomics, IP, SSCI (3 cr)
or ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)

Electives
Take 3 or more credit(s) from the following:
BLAW 3xxx
MGMT 3xxx
MKTG 3xxx

Outdoor Education and Recreation
Additional Foundation Courses
Complete 3 credits from ADED, ASL, BIE, CI, CPSY, EDHD, EDPA, EPSY, HRD, WHRE, YOST

Outdoor Education and Recreation Focus
Take 24 or more credit(s) including 2 or more sub-requirement(s) from the following:

Marketing and Management
BIE 5011—Introduction to Computer Applications (3 cr)
BLAW 3058—The Law of Contracts and Agency (4 cr)
MGMT 3001—Fundamentals of Management (3 cr)
MKTG 3001—Principles of Marketing (3 cr)

Electives
Take 11 or more credit(s) from the following:
ACCT 2050—Introduction to Financial Reporting (4 cr)
APEC 4311—Tourism Development: Principles, Processes, Policies (3 cr)
ECON 3321—Issues in American Public Policy, CPE (3 cr)
RRM 4232W—Managing Recreational Lands, ENVT, WI (4 cr)

Public Parks and Recreation
Additional Foundation Courses
For additional College requirements, consult with a Student Services program adviser.

Commercial Parks and Recreation Focus
The electives listed below are only suggestions. Consult with an adviser for more course options to reach the 16 credit total.

Additional Courses
REC 5191—Commercial Recreation and Tourism (3 cr)
REC 5801—Legal Aspects of Sport and Recreation (4 cr)

Supporting Program
Take 24 or more credit(s) including 3 or more sub-requirement(s) from the following:

Marketing and Management
ACCT 2050—Introduction to Financial Reporting (4 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
BLAW 3058—The Law of Contracts and Agency (4 cr)
MGMT 3001—Fundamentals of Management (3 cr)
MKTG 3001—Principles of Marketing (3 cr)

Economics
APEC 1102—Principles of Macroeconomics, IP, SSCI (3 cr)
or ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)

Electives
Take 4 or more credit(s) from the following:
BLAW 3xxx
MGMT 3xxx
MKTG 3xxx

Social Justice Minor
School of Social Work
• Required credits in this minor: 17 to 18.

The social justice minor offers undergraduate students the opportunity to theorize about the meanings of social justice and practice “doing” social justice advocacy in community organizations. The minor is an interdisciplinary, cross-collegiate undergraduate program. Students create socially just communities and a respectful space for all opinions in the dialogue-based classrooms. Teaching faculty, students, and community groups become partners in creating and sharing in an authentic collective learning experience. The program is based on the belief in equity and fairness in every aspect.
of human experience and the importance of recognizing the
struggles for liberation and the social movements of many
peoples globally.

Program Requirements
The social justice minor requires three of the four core courses
(11 to 12 credits), all of which include 30 hours of service
learning in social justice organizations, and 6 credits of elective
courses.

Core Courses
These courses include 30 hours of service learning in social justice
organizations.
SW 3501—Theories and Practices of Social Change Organizing, SSCL, C/PE
(4 cr)
SW 4501—Senior Seminar in Social Justice (4 cr)
SW 2501W—Introduction to Social Justice, C/PE, SSCL, WI (4 cr)
or
SW 1501—Introduction to Peace Studies (3 cr)

Electives
Take 6 or more credit(s) from the following:
AFRO 3120—Social and Intellectual Movements in the African Diaspora (3 cr)
AFRO 3251W—Sociological Perspectives on Race, Class, and Gender, CD,
SSCI, WI (3 cr)
AFRO 3426—African Americans, Social Policy, and the Welfare State, CD (3 cr)
AFRO 3866—The Civil Rights and Black Power Movement, 1954-1984, C/PE,
CD (3 cr)
AMIN 4501—Law, Sovereignty, and Treaty Rights, C/PE (3 cr)
AMIN 4515—Contemporary American Indian Movements (3 cr)
AMST 3001—Contemporary Perspectives on Asian America, CD (3 cr)
AAS 1101—Imagining Asian America, C/PE, CD (3 cr)
AAS 3501—Asian America Through Arts and Culture, OH, CD (4 cr)
CHIC 1112—Introduction to Chicano/o Studies: Critical Paradigms, CD, HP
(3 cr)
CHIC 3212—La Chicana, CD (3 cr)
CHIC 3374—Migrant Farmworkers in the U.S.: Families, Work, and Advocacy,
SSCI, CD (3 cr)
CHIC 3275—Theory in Action: Community Engagement in a Social Justice
Framework, C/PE (3 cr)
CI 1911—Ethics, Wealth, and Education in a Democracy, C/PE (3 cr)
EDPA 3304—Strategic Leadership for Future Societies (3 cr)
EPSY 3112—Psychology of Multiculturalism in Education, CD (3 cr)
EPSY 3113—PRACTICUM: Service Learning, Psychology of Multiculturalism in
Education (1 cr)
EPSY 3134W—Social Diversity and Deculturalization in Education, C/PE,
SSCI, WI (3 cr)
FSOS 3104—Global and Diverse Families (3 cr)
GLBT 3301—Gay, Lesbian, Bisexual, and Transgender Social Movements in
the United States (3 cr)
HIST 3877—Asian American History, 1850-Present, CD, HP (3 cr)
PHIL 1004W—Introduction to Political Philosophy, C/PE, OH, WI (4 cr)
PHIL 1007—Introduction to Political Philosophy Practicum, C/PE (1 cr)
PHIL 3301—Environmental Ethics, C/PE, ENV (4 cr)
PHIL 3302W—Moral Problems of Contemporary Society, C/PE, OH, WI (4 cr)
PHIL 3307—Social Justice and Community Service, C/PE, CD (4 cr)
PHIL 3308—Social Justice and Community Service, C/PE, CD (4 cr)
PHIL 4231—Philosophy of Language (3 cr)
PHIL 4324—Ethics and Education (3 cr)
PHIL 4325—Education and Social Change, C/PE, CD (4 cr)
PHIL 4326—Lives Worth Living: Questions of Self, Vocation, and Community,
C/PE, OH (6 cr)
SOC 3003—Social Problems (3 cr)
SOC 3201—Inequality: Introduction to Stratification (3 cr)
SOC 3211W—American Race Relations, CD, SSCL, WI (3 cr)
SOC 3251W—Sociological Perspectives on Race, Class, and Gender, CD,
SSCL, WI (3 cr)
SOC 3322W—Social Movements, Protests, and Change, C/PE, WI (3 cr)
SOC 4461—Sociology of Ethnic and Racial Conflict, CD, IP (3 cr)
SPAN 3401—Service Learning in the Chicano/Latino Community, C/PE, CD
(3 cr)
SW 3301—GLBT Social Movements (3 cr)
SW 3703—Gender Violence in Global Perspective, IP (3 cr)
TH 5117—Performance and Social Change (3 cr)
GWSS 1002—Politics of Sex, CD, SSCL (4 cr)
GWSS 3003—Gender and Global Politics, IP, SSCL (3 cr)
WIRE 3011W—Introduction to Technology and Public Ethics, C/PE, WI (3 cr)
YOST 2001—The Everyday Lives of Youth, SSCL (4 cr)
YOST 3101—Introduction to Youthwork (4 cr)
CHIC 3446—Chicana/o History II: WWII, El Movimiento, and the New
Millennium, HP, CD (3 cr)
CHIC 1275—Service Learning in the Chicano/Latino Community, CD, C/PE
(3 cr)
CHIC 1275—Service Learning in the Chicano/Latino Community, C/PE, CD
(3 cr)
GWSS 3590—Topics: Social Change, Activism, Law, and Policy Studies (3 cr)
POL 4210—Topics in Political Theory (3-4 cr)
ESPM 3480—Topics in Natural Resources (1-4 cr)
GEOG 3379—Environment and Development in the Third World, ENV, IP
(3 cr)
AAS 3409W—Asian American Women's Cultural Production, CD, WI (3 cr)
AAS 3409W—Asian American Women's Cultural Production, C/PE, CD (3 cr)
AAS 4231—The Color of Public Policy: African Americans, American Indians,
and Chicanos in the United States (3 cr)
or
AFRO 4231—The Color of Public Policy: African Americans, American Indians,
and Chicanos in the United States (3 cr)
or
AMIN 4231—The Color of Public Policy: African Americans, American Indians,
and Chicanos in the United States (3 cr)
or
CHIC 4231—The Color of Public Policy: African Americans, American Indians,
and Chicanos in the United States (3 cr)
Sport Management B.S.
Kinesiology, School of
• Required credits to graduate with this degree: 120.
• Required credits within the major: 71.
• This program requires summer terms.
The sport management major focuses on contemporary sport as a
product of social, psychological, and economic phenomena.
Because of its prominent role in our culture, economy, and
societal behavior, sport is a popular subject for academic
inquiry. Graduates may find employment in sport marketing
and management, coaching, sport administration, and sport or
other fitness-related occupations. The program also prepares
students for graduate study in sport management.
Coursework in sport management addresses such topics as
ethics and sport, psychology of sport performance, sport as a
sociocultural phenomenon, sport management, sport marketing
and promotion, and event management.
Features of the program include a 10-credit experiential course,
a senior seminar, and a set of focused electives. Each student
selects electives from one of the following three emphasis
areas: coaching, sport management, or youth services/development.
Additional offerings include a coaching certificate and a
coaching minor.

Admission Requirements
Students must complete 60 credits before admission to the
program.
Admission preference is given to students who have completed
liberal education requirements and have an overall GPA of 2.00
before the admission deadline. Because of a large number of
applicants, a 2.75 GPA is recommended.
Completion of SPST 1701 is recommended before admission to
the program.
For information about University of Minnesota admission
requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu)
Program Requirements

Foundation Courses
Take a minimum of 24 credits from this group, including 6 credits of education and human development electives (excluding courses with KIN, REC, or PSTL designators). With the guidance of a Student Services adviser, choose from courses listed at http://cehd.umn.edu..

PE 1xxx
COMM 1101—Introduction to Public Speaking (3 cr)
or COMM 1313W—Analysis of Argument, WI (3 cr)
or PSTL 1461—Oral Communication in the Public Sphere, C/PE (3 cr)
PSTL 1211—People and Problems, CD, SSC (4 cr)
or SOC 1001—Introduction to Sociology, CD, SSC (4 cr)
PSTL 1281—General Psychology, SSC (4 cr)
or PSY 1001—Introduction to Psychology, SSC (4 cr)
PUBH 3004—Basic Concepts in Personal and Community Health (4 cr)
or take the following course pair
PUBH 3001—Personal and Community Health (2 cr)
and PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)
Take at least 6 credits from ADED, AFEE, AGED, ASL, BIE, CI, CPSY, EDHD, EDPA, EPSY, HRD, WHRE, YOST.

Major Courses
Completion of SPST 1701 is required before admission to the program. All major core courses must be completed after program admission.
SMGT 1701—Introduction to Sport Studies (2 cr)
SMGT 3143—Organization and Management of Sport (3 cr)
SMGT 3501—Sport in a Diverse Society, SSC, CD (3 cr)
SMGT 3601—Ethics and Values in Sport (2 cr)
SMGT 3611—Sport Psychology (2 cr)
SMGT 3861—Legal Aspects of Sport (2 cr)
SMGT 3881W—Senior Seminar in Sport Studies, WI (3 cr)
SMGT 3996—Practicum: The Sport Experience (1–10 cr)

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

Coaching
The coaching certification can be completed within this track.

Required Courses for the Sub-Plan
Take 20 or more credits from the following:
FSCN 1112—Principles of Nutrition, ENVT (3 cr)
SMGT 3111—Sports Facilities (2 cr)
SMGT 3112—Applied Sport Science (2 cr)
SMGT 3621—Applied Sport Psychology (2 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
or PSTL 1571—Introduction to Computer Applications (3 cr)
or PSTL 1571—Computer Literacy and Problem Solving (4 cr)

Coaching Certification
Completion of the following courses meets requirements for coaching certification or coaching focus
KIN 3113—First Responder for Coaches and Athletic Trainers (3 cr)
KIN 3133—Motor Control, Learning, and Development (3 cr)
KIN 4697—Student Teaching: Coaching (3 cr)

Human Anatomy
ANAT 3001—Human Anatomy (3 cr)
or KIN 3027—Human Anatomy for Kinesiology Students (3 cr)
or KIN 3111—Human Anatomy (2 cr)

Coaching Certification 1
Take 2 or more courses from the following:
KIN 3112—Introduction to Biomechanics (3 cr)
KIN 4385—Exercise Physiology (4 cr)
KIN 5126—Sport Psychology (3 cr)
KIN 5136—Psychology of Coaching (3 cr)
SMGT 3621—Applied Sport Psychology (2 cr)
SMGT 4641—Training and Conditioning for Sport (3 cr)

Coaching Certification 2
Take 2 or more courses from the following:
KIN 3168—Soccer Coaching Theory and Skill Development (2 cr)
KIN 3169—Volleyball Coaching Theory and Skill Development (2 cr)
KIN 3171—Baseball Coaching Theory and Skill Development (2 cr)
KIN 3172—Basketball Coaching Theory and Skill Development (2 cr)
KIN 3173—Football Coaching Theory and Skill Development (2 cr)
KIN 3174—Golf Coaching Theory and Skill Development (2 cr)
KIN 3175—Gymnastics Coaching Theory and Skill Development (2 cr)
KIN 3176—Ice Hockey Coaching Theory and Skill Development (2 cr)
KIN 3177—Swimming and Diving Coaching Theory and Skill Development (2 cr)
KIN 3178—Tennis Coaching Theory and Skill Development (2 cr)
KIN 3179—Track and Field Coaching Theory and Skill Development (2 cr)
KIN 3181—Wrestling Coaching Theory and Skill Development (2 cr)
KIN 5720—Special Topics in Kinesiology (1–8 cr)

Sport Management

Required Courses for the Sub-Plan
Take 20 or more credits from the following:
BIE 3061—Professional Sales Management (3 cr)
BLAW 3058—The Law of Contracts and Agency (4 cr)
COMM 3201—Introduction to Electronic Media Production (4 cr)
COMM 3441—Introduction to Organizational Communication (3 cr)
ECON 1102—Principles of Macroeconomics, IP, SSC (4 cr)
PSTL 1511—Introduction to Business and Society, SSC (4 cr)
PSTL 1513—Small Business Fundamentals With E-Business Applications (3 cr)
HRD 5201—Training and Development of Human Resources (3 cr)
HRIR 3021—Human Resource Management and Industrial Relations (3 cr)
KIN 5115—Event Management in Sport (3 cr)
MGMT 3001—Fundamentals of Management (3 cr)
MKTG 3001—Principles of Marketing (3 cr)
SMGT 3111—Sports Facilities (2 cr)
SMGT 3421—Business of Sport (2 cr)
SMGT 3631—Sport Marketing (3 cr)
ECON 1101—Principles of Microeconomics, IP, SSC (4 cr)
ACCT 2050—Introduction to Financial Reporting (4 cr)
or PSTL 1540—Accounting Fundamentals I (3 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
or PSTL 1571—Computer Literacy and Problem Solving (4 cr)

Youth Services/Development

Required Courses for the Sub-Plan
Take 20 or more credits from the following:
CPSY 4303—Adolescent Psychology (4 cr)
CPSY 4331—Social and Personality Development (4 cr)
CPSY 434W—Children, Youth in Society, C/PE, WI (4 cr)
EDPA 5372—Youth in Modern Society (3 cr)
FSOS 1101—Intimate Relationships, CD, SSCI (4 cr)
KIN 1089—Health and Society (3 cr)
KIN 5115—Event Management in Sport (3 cr)
KIN 5375—Competitive Sport for Children and Youth (3 cr)
REC 1501—Orientation to Leisure and Recreation (3 cr)
REC 2151—Outdoor and Camp Leadership (3 cr)
REC 3541W—Recreation Programming, WI (3 cr)
SMGT 3112—Applied Sport Science (2 cr)
SMGT 3631—Sport Marketing (3 cr)
SW 1001—Introduction to the World of Social Work: A Global Perspective (3 cr)
YOST 2001—The Everyday Lives of Youth, SSC (4 cr)
YOST 5031—International Youthwork (3 cr)
YOST 5402—Youth Policy: Enhancing Healthy Development in Everyday Life (3 cr)
BIE 5011—Introduction to Computer Applications (3 cr)
or PSTL 1571—Computer Literacy and Problem Solving (4 cr)
CPSY 2301—Introductory Child Psychology, SSC (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
or PSTL 2283W—Psychology of Human Development, SSC, WI (4 cr)

Note: Programs listed in this catalog are current as of March 2008.
Technology Education B.S.

Work and Human Resource Education
- Required credits to graduate with this degree: 120.
- Required credits within the major: 71.
- This program requires summer terms.
This program prepares students to meet Minnesota state licensure requirements for teaching technology education to grades 5–12.

The curriculum surveys the broad range of technology use and application in the areas of manufacturing, construction, transportation, communication, energy, and power. Coursework includes liberal education, technology education, and professional/clinical experiences and student teaching.
Graduate study in this field is available. A career and technical education certificate is also available.

Admission Requirements
Students must complete 60 credits before admission to the program.
A GPA above 2.00 is preferred for the following:
- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements
A minimum 2.00 GPA with no grade lower than C- is required for major courses with the following designators: BIE, EDHD, HRD, and WHRE. A minimum grade of C- is also required for general psychology.

Required credits within the major: 71.
Required credits to graduate with this degree: 120.

Coursework focuses on:
- Design and application in the areas of manufacturing, construction, transportation, communication, energy, and power.
- Professional/clinical experiences and student teaching.
- Liberal education and technology education.

Technical Skills
A limited number of technical college credits can be applied to BIE 3151 or BIE 5151.

Take 1 or more course(s) totaling 9 or more credit(s) from the following:
- BIE 3151—Technical Development: Advanced (1–32 cr)
- BIE 5151—Technical Development: Specialized (1–12 cr)
- BIE 5596—Occupational Experience in Business and Industry (1–10 cr)

Technological Knowledge
An adviser-approved substitution may be taken in place of BIE 5011.

Professional/Clinical Studies
EDHD 5001—Learning, Cognition, and Assessment (3 cr)
EDHD 5003—Developmental and Individual Differences in Educational Contexts (3 cr)
EDHD 5005—School and Society (2 cr)
EDHD 5007—Technology for Teaching and Learning (1.5 cr)
EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
WHRE 5696—Teaching Internship: Introduction (1 cr)
WHRE 5697—Teaching Internship: School and Classroom Settings (2 cr)
WHRE 5698—Teaching Internship (3–8 cr)
PUBH 3033—Fundamentals of Alcohol and Drug Abuse (2 cr)

Professional/Clinical Studies
Or PUBH 5005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)

CI 5452—Reading in the Content Areas for Initial Licensure Candidates (1 cr)

Youth Studies B.S.

School of Social Work
- Required credits to graduate with this degree: 120.
- Required credits within the major: 62 to 65.

Youth studies is an interdisciplinary program that prepares students for practice and scholarship. Faculty conduct community-based action research and evaluation on youth issues, programs, policies, and services. The major emphasizes civic engagement for young people marginalized in their communities.

Coursework focuses on:
- Everyday lives of young people
- Working with urban, marginalized, and other youth populations
- International/global perspectives and youth civic engagement

Youth studies courses move students into the community through regular site visits, program observations, service-learning placements, international exchanges, and internships. Students are supported by culturally competent academic advising and one-on-one student-elder partnerships with faculty, staff, or community leaders. Qualified graduates may pursue graduate study in social work, education, or public policy.

Admission Requirements
Students must complete 4 courses before admission to the program.
Freshmen and transfer students are usually admitted to pre-major status before admission.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

YOST Requirement
YOST 1001—Seeing Youth, Thinking Youth: Media, Popular Media, and Scholarship (3 cr)
Or YOST 2002W—Introduction to Youth Studies: Understanding Youth, Young People, Youthhood, and Youth Work, WI (4 cr)

Sociology Requirement
SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
Or PSTL 1211—People and Problems, CD, SSCI (4 cr)
Statistics Requirement
STAT 1001—Introduction to the Ideas of Statistics, MATH (4 cr)
or PSTL 1004—Statistics, MATH (4 cr)
or EPSY 3264—Basic and Applied Statistics, MATH (3 cr)

Social Science Requirement
CPSY 2xxx
or POL 1xxx
or FSOS 1xxx
or GEOG 1301W—Our Globalizing World, IP, SSCI, WI (4 cr)
or Psychology
PSY 1001—Introduction to Psychology, SSCI (4 cr)
or PSTL 1281—General Psychology, SSCI (4 cr)
or PSTL 1289—Psychology of the American Experience, CD, SSCI (4 cr)
or Anthropology
ANTH 1003W—Understanding Cultures, IP, SSCI, WI (4 cr)
or ANTH 1005W—Introduction to Cultural Diversity and the World System, CD, IP, WI (4 cr)
or PSTL 1285W—Introduction to Cultural Anthropology, IP, SSCI, WI (4 cr)

Program Requirements

Foundation Courses
YOST 2101—Urban Youth and Youth Issues (4 cr)
YOST 2241—Experiential Learning (4 cr)
YOST 3001—Introduction to History and Philosophy of Youthwork (4 cr)
YOST 3032—Adolescent and Youth Development for Youthworkers (4 cr)
FSOS 2105—Methods in Family Research (3 cr)
or SOC 3801W—Sociological Research Methods, WI (4 cr)

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

A: Understanding Youth and Youthwork in Contexts
Take 6 or more credit(s) from the following:
YOST 3031—International Youthwork (3 cr)
YOST 3234—Youth Agencies, Organizations, and Youth Service Systems (3 cr)
YOST 4315—Youthwork in Schools (4 cr)
YOST 4317—Youthwork in Contested Spaces (3 cr)
YOST 4319—Understanding Youth Subcultures (3 cr)
YOST 4401W—Young People’s Spirituality and Youthwork: An Introduction, WI (4 cr)
YOST 4402—Youth Policy: Enhancing Healthy Development in Everyday Life (4 cr)
YOST 4403—Indirect Youthwork: Working on Behalf of Young People (4 cr)

B: Doing Youthwork in Contexts
Take 4 or more credit(s) from the following:
YOST 3101—Introduction to Youthwork (4 cr)
YOST 3235—Community Building, Civic Engagement, and Civic Youthwork (4 cr)
YOST 4301—Communicating With Adolescents About Sexuality (3 cr)
YOST 4314—Theater Activities in Youthwork and Education (2 cr)
YOST 4316—Media and Youth: Learning, Teaching, and Doing (2 cr)
YOST 4321—Work with Youth: Individual (2 cr)
YOST 4322—Work with Youth: Families (2 cr)
YOST 4323—Work with Youth: Groups (2 cr)
YOST 4324—Peer Helping: The Theory and Practice of Youth Helping Youth (2 cr)
YOST 4325—Improving Everyday Youthwork: Practical Program Evaluation (2 cr)

Advanced/Applied Skills
9 credits minimum, to be completed during final year of study.
YOST 4196—Youthwork Internship (4 cr)
YOST 4411—Youth Research and Youth Program Evaluation (5 cr)

College Communication Courses
COMM 1101—Introduction to Public Speaking (3 cr)
or PSTL 1461—Oral Communication in the Public Sphere, C/PE (3 cr)
ENGL 3027W—The Essay, WI (4 cr)
or ENGL 3029W—Professional Writing, WI (3 cr)
or WRIT 3562W—Technical and Professional Writing, WI (4 cr)

Youth Studies Minor

- Required credits in this minor: 16 to 17.
The youth studies is a 16-credit undergraduate minor that addresses youth as an idea, youth as young people, youthhood as the everyday lives of young people, and the responses of communities to this population.

Participants in the youth studies minor learn about and critically analyze at a beginning level the families of ideas, models, concepts, discourses, and ways of understanding, responding to, and working with young people. Participants craft their unique program from among the required designated courses to prepare for graduate training/education in the many scholarly and youth work professional fields. Participants do not become trained workers with youth nor receive any certification to do youth work in any participating field.

Program Requirements

Youth Studies Minor Courses
YOST 1001—Seeing Youth, Thinking Youth: Media, Popular Media, and Scholarship (3 cr)
YOST 4002W—Constructing Personal Models of Youth Scholarship and Youth Work (4 cr)

Youth Studies Electives
Electives to be chosen in consultation with youth studies adviser.
Take 3–4 credit(s) from the following:
YOST 3xxx
YOST 4xxx

General Electives
Take 6 or more credit(s) from the following:
AFRO 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
AAS 3920—Topics in Asian American Studies (2–4 cr)
CHIC 3275—Service Learning in the Chicano/Latino Community, C/PE, CD (3 cr)
CPSY 4303—Adolescent Psychology (4 cr)
FSOS 4155—Parent-Child Relationships (3 cr)
GLBT 3301—Gay, Lesbian, Bisexual, and Transgender Social Movements in the United States (3 cr)
REC 2151—Outdoor and Camp Leadership (3 cr)
SOC 3101—Introduction to the American Criminal Justice System, C/PE, SSCI (3 cr)
SW 3301—GLBT Social Movements (3 cr)
SW 3703—Gender Violence in Global Perspective, IP (3 cr)