Twin Cities Campus

Additional Licensure

Curriculum & Instruction, Educational Psychology, Family Social Science, Kinesiology, School of, Organizational Leadership, Policy and Development

College of Education and Human Development

Contact Information:
College of Education and Human Development Student Services, 360 Education Sciences Building, 56 East River Road, Minneapolis, MN 55455, 612-625-3339
Email: cehdinfo@umn.edu
Website: http://www.cehd.umn.edu/future/graduate/teach/additional/default.html

• Program Type: Post-baccalaureate credit certificate/licensure/endorsement
• Requirements for this program are current for Fall 2014
• Length of program in credits: 19 to 24
• This program requires summer semesters for timely completion.
• Degree: College of Education Additional Licensure

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The additional licensure program offers a variety of courses specifically designed to address the competencies required by the state for various teaching and administrative licenses. Additional licenses are added to a current five-year, full-time professional Minnesota teaching license. Courses are offered throughout the year with evening courses offered during fall, spring, and summer semesters, and day courses offered during summer semester. Students who enroll in the program are generally practicing teachers. They complete the program in an average of one to two years.

Accreditation
This program is accredited by NCATE/BOT, Council of Exceptional Children (CEC) and Council on Education of the Deaf (CED).

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
This program is not offered full-time and therefore is not intended for international students needing a visa to study in the United States.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Students must complete all coursework with a grade of S or C or better.

Required courses
Required courses are specific to the individual Additional Licensure sub-plan programs listed.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may complete the program with more than one sub-plan.

**Academic and Behavioral Strategist**

The professional development program in special education offers a program of study that leads to K-12 licensure as an Academic Behavioral Strategist (ABS) and an M.Ed. degree. This degree is designed to prepare teachers to work in a variety of educational settings with students who have mild to moderate disabilities. Graduates of the program are student-centered, collaborative professionals who implement evidence-based instructional interventions with fidelity to improve learner outcomes. The program incorporates maximizing learner expectations and learning opportunities including cultural and social diversity. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for students with developmental disabilities and their families, focusing on the objective of providing effective teaching practices and instructional strategies.

**ABS Licensure Required Courses**

- EPsy 4613, 5604, 5605, 5611, 5614, 5616, 5617, 5618, 5619, 5657, 5704, 5705 and 5741

**Agricultural Education 5-12**

**Autism Spectrum Disorders licensure**

The professional development program in special education offers a program in Autism Spectrum Disorders (ASD) that leads to Birth-12 licensure and an M.Ed. degree. This degree is designed to prepare teachers to work in a variety of educational settings including home and school based programs with children who have been identified with ASD and their families. Graduates are prepared to assess, analyze, and provide intervention and remediation of academic, social and communicative challenges for students with ASD. This program focuses on the implementation of evidence-based practices, specialized educational services, and outcomes that add value to the learning and development of infants, children and adults with ASD from diverse cultural backgrounds.

**ASD Licensure Required Courses**

- EPsy 4613, 5611, 5614, 5616, 5618, 5621, 5622, 5625, 5631, 5632, 5633, 5661, 5662, 5663, 5664, 5681, 5705, 5742

**Career/Tech Ed:** Comm Tech

**Career/Tech Ed:** Construction

**Career/Tech Ed:** Creative Dsgn

**Career/Tech Ed:** Early Child

**Career/Tech Ed:** Manufacturing

**Career/Tech Ed:** Medical

**Career/Tech Ed:** Accomm Special

**Career/Tech Ed:** Transportation

**Career/Tech Ed:** Hospitality Sv

**Chemistry Education 9-12**

**Comm Arts/Lit Educ 5-8/9-12**

**Comm Arts/Lit Education 5-8**

**Computer, Keyboarding & Related Technology Applications K-12**

**Deaf and Hard of Hearing**

**Developmental and Adaptive Physical Education**

**Developmental Disabilities**

**Director of Community Ed**
Students must have a bachelor's degree plus 24 credits. Additionally, they should have 320 hours of field experience.

**Required courses**
- OLPD 5389 - Community Education Leadership (3.0 cr)
- OLPD 5394 - Leadership in Community Education Finance and Law (1.0 cr)
Additional course or experiential requirements may be determined through the pre-assessment completed as part of OLPD 5385.
- Adult Education (2 cr)
  - Early Childhood (2 cr)
  - School Age Programs (2 cr)

**Director of Special Education**
Students must possess or complete three years of teaching experience.

60 credits beyond a bachelor's degree to include a graduate degree.

320 hours of field experience.

**Required courses**
- OLPD 5321 - The Principal as Leader of High-Performing Schools (3.0 cr)
- OLPD 5368 - Leadership for Special Education Services (3.0 cr)
- OLPD 5392 - Special Education Finance: Program Models, Policy, and Law (2.0 cr)

**Early Childhood Educ Birth-Gr3**

**Early Childhood Special Education**

**Earth & Space Science Ed 9-12**

**Emotional and Behavioral Disorders**

**English as a Second Lang K-12**

**Health Education**
The master of education (M.Ed.)/additional licensure program is designed for current licensed teachers who would like to add health to their teaching license. Students will also have the option of completing their M.Ed. while in the additional licensure program. The program can be completed within a 12-month period. Courses are required to be taken in the summer, fall and spring semesters. A large portion of the program is delivered via on-line courses and/or hybrid courses and is scheduled outside of teaching and coaching hours.

**Required Kinesiology Courses**
- KIN 5201 - Health Education Foundations (3.0 cr)
- KIN 5202 - Current Issues in Health (2.0 cr)
- KIN 5203 - Health Media, Consumerism, and Communication (2.0 cr)
- KIN 5204 - Methods in Health Education (3.0 cr)
- KIN 5205 - Health Education Curriculum (3.0 cr)
- KIN 6201 - Clinical Experience I: Health Education (4.0 cr)
- KIN 6202 - Clinical Experience II: Health Education (2.0 - 6.0 cr)

**Prerequisites**
The following prerequisites are needed for the Health Education additional licensure. Proof of CPR/First Aid certified may substitute for KIN 3113. Comparable courses from other universities may be submitted for possible approval.
- KIN 3001 - Lifetime Health and Wellness [SOCS] (3.0 cr)
- PUBH 3001 - Personal and Community Health (2.0 cr)
- KIN 3113 [inactive](3.0 cr)

**Learning Disabilities K-12**

**Life Science Education 9-12**

**Mathematics Education 5-8**

**Mathematics Education 5-8/9-12**

**Oral/Aural**
Parent and Family Education

Physical Education K-12

Physics Education 9-12

Principal K-12
Students must possess or complete three years of teaching experience.

60 credits beyond a bachelor's degree to include a graduate degree.

320 hours of field experience.

Required courses
- OLPD 5321 - The Principal as Leader of High-Performing Schools (3.0 cr)
- OLPD 5388 - Leadership for Master(ful) Scheduling (2.0 cr)

Reading

School Counseling K-12

School Psychologist

Science Education 5-8

Social Studies Educ 5-8/9-12

Social Studies Education 5-8

Superintendent
Students must possess or complete three years of teaching experience.

60 credits beyond a bachelor's degree to include a graduate degree.

320 hours of field experience.

Required courses
- OLPD 5322 - Leaders in the Superintendency and Central Office (3.0 cr)
- OLPD 5393 - Leading School Finance Elections (1.0 cr)

Teacher Coordinator of Work-based Learning

Technology Education 5-12

Visual Arts Education K-12

WorldLang/Cultures: Japanese K-12

WorldLang/Cultures: Arabic K-8

WorldLang/Cultures: Arabic K-12

WorldLang/Cultures: Chinese K-12

WorldLang/Cultures: French K-8

WorldLang/Cultures: French K-12

WorldLang/Cultures: German K-8

WorldLang/Cultures: German K-12
WorldLang/Cultures: Hebrew K-8
WorldLang/Cultures: Hebrew K-12
WorldLang/Cultures: Italian K-8
WorldLang/Cultures: Italian K-12
WorldLang/Cultures: Japanese K-8
WorldLang/Cultures: Latin K-8
WorldLang/Cultures: Latin K-12
WorldLang/Cultures: Norweg K-12
WorldLang/Cultures: Ojibwe K-12
WorldLang/Cultures: Polish K-12
WorldLang/Cultures: Russian K-8
WorldLang/Cultures: Russian K-12
WorldLang/Cultures: Spanish K-12
WorldLang/Cultures: Swedish K-12
Twin Cities Campus

Adult Education M.Ed.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 34
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The graduate program in adult education (AdEd), is a specialized academic area of the Human Resource Development program in the Department of Organizational Leadership, Policy, and Development. AdEd graduate programs prepare individuals to work with adults in a variety of roles, such as program developers, teachers, advisers, administrators, and managers in a variety of formal and informal settings, such as educational institutions, business and industry, community agencies, healthcare organizations, continuing and professional education, and adult basic education.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
When applying online, applicants should complete Statements #1 & 2 (Statement #1 should indicate if student is in a special cohort). Filling out statement #3 optional. Applicants must also submit a résumé and personal statement (limit two pages) describing career goals and rationale for interest in the M.Ed. program. Two letters of recommendation from individuals who can attest to the applicant's potential are also required. Admissions are done on a rolling basis with the following deadlines: March 1 (Summer), July 1 (Fall), November 1 (Spring).

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
- Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 24 major credits and 10 credits outside the major. The is no final exam.
This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Required Courses
Students must complete at least 34 credits, including the following courses:
OLPD 5296: Field Experience in Adult Education
(3 credits are required and no more than 6 credits may be applied toward the program)
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
OLPD 5202 - Perspectives of Adult Learning and Development (3.0 cr)
OLPD 5204 - Designing the Adult Education Program (3.0 cr)
OLPD 5296 - Field Experience in Adult Education (1.0 - 6.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
One additional 3 credit Adult Education course with adviser approval
Up to 10 credits of electives courses with adviser approval to equal the 34 credits needed for this program. The appropriate elective courses may vary depending on whether the student is also pursing a license as reflected by their optional sub-plan.

Program Sub-plans
A sub-plan is not required for this program.
Students may not complete the program with more than one sub-plan.

Adult Basic and Continuing Education
This sub-plan reflects students who are also pursuing licensure in addition to the degree. For the purposes of the the MEd, the course requirements are the same as described above, but participation in this sub-plan will influence which elective courses an adviser may approve to equal the 34 credits needed for this program.

Rochester
All sub-plans have the same curriculum requirements. New students are not being admitted to this sub-plan. Courses may be taken on the Twin Cities campus.
Twin Cities Campus
Adult Education Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organization Leadership, Policy, and Development, 330 Wulling Hall 3345A, 86 Pleasant Street S.E., Minneapolis, MN 55455 (612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 14
- This program does not require summer semesters for timely completion.
- Degree: Adult Education PBacc Certificate Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The graduate program in adult education (AdEd), is a specialized academic area of the Human Resource Development program track in the Department of Organizational Leadership, Policy, and Development. AdEd graduate programs prepare individuals to work with adults in a variety of roles, such as program developers, teachers, advisers, administrators, and managers in a variety of formal and informal settings, such as educational institutions, business and industry, community agencies, healthcare organizations, continuing and professional education, and adult basic education.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Admission is open to degree-seeking or non-degree seeking students who possess a U.S. bachelor's degree (or international equivalent). Applications are reviewed on an ongoing basis and may be submitted at any time.

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.
Certificate coursework completed with undergraduate student status cannot be applied to graduate-level degree programs.

**Required Coursework**
- OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)
- OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
- OLPD 5202 - Perspectives of Adult Learning and Development (3.0 cr)

Students should enroll for a minimum of 4 credits of OLPD 5296 or OLPD 5696
- OLPD 5296 - Field Experience in Adult Education (1.0 - 6.0 cr)
- or OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)

**Electives**
Only if needed to meet 14 credit minimum
- OLPD 5607 - Organization Development (3.0 cr)
- or Additional OLPD courses with adviser approval to make total credits earned equal at least 14 credits.
Twin Cities Campus
Adult Literacy Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
The Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455 (612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 14
- This program does not require summer semesters for timely completion.
- Degree: Adult Literacy PBacc Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The adult literacy certificate is designed to prepare teachers, administrators, trainers, and counselors in the broad political, social, economic, and theoretical aspects of adult literacy in a global environment.

Program Delivery
This program is available:
- completely online (all program coursework can be completed online)

Prerequisites for Admission
Other requirements to be completed before admission:
U.S. bachelor's degree or international equivalent.

Special Application Requirements:
Admission is open to degree-seeking or non-degree seeking students. Students may pursue the certificate alone or concurrently with a UM master's or doctoral degree program.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

The adult literacy certificate requires a minimum of 14 credits. Certificate coursework completed with undergraduate student status cannot be applied to graduate-level degree programs.

Adult Literacy
minimum of 6 credits from modules below
Module 1
OLPD 5211 - Introduction to the Undereducated Adult (1.0 cr)
OLPD 5212 - Introduction to Adult Literacy in the Workplace (1.0 cr)
OLPD 5213 - Introduction to Adult Literacy in the Community (1.0 cr)

or Module 2
OLPD 5224 - Formal Assessment of Adult Literacy (1.0 cr)
OLPD 5225 - Informal Assessment of Adult Literacy (1.0 cr)
OLPD 5226 - Advanced Assessment of Adult Literacy (1.0 cr)

or Module 3
OLPD 5233 - Methods of Teaching Beginning Adult Literacy (1.0 cr)
OLPD 5234 - Methods of Teaching Intermediate Adult Literacy (1.0 cr)
OLPD 5235 - Methods of Teaching Advanced Adult Literacy (1.0 cr)
or OLPD 5203 - Methods of Teaching Adult Literacy (3.0 cr)

**Adult Education**
minimum 3 credits
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
or OLPD 5202 - Perspectives of Adult Learning and Development (3.0 cr)

**Field Experience**
minimum 3 credits
OLPD 5296 - Field Experience in Adult Education (1.0 - 6.0 cr)

**Electives**
Minimum 2 credits. The following courses can be substituted for one adult literacy class and/or be counted as electives.
SLS 5721 (Inactive) (3.0 cr)
or SLS 5724 (Inactive) (3.0 cr)
or other course with approval of program adviser
Twin Cities Campus
Advanced Practices in Second Language Teaching Postbaccalaureate Certificate
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program requires summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The University of Minnesota's Advanced Practices in Second Language Teaching Certificate program is designed for teachers of foreign languages and English as a second/foreign language and is offered by the Department of Curriculum and Instruction in partnership with the Center for Advanced Research on Language Acquisition (CARLA) Summer Institute Program.

Courses are offered on the Twin Cities campus, typically during the last three weeks in July. The certificate may be completed independently or in conjunction with a master of education (M.Ed) degree in second languages and cultures education at the University of Minnesota.

Although the University certificate does not lead to teaching licensure or state certification, it adds value to a pre-service or in-service teacher’s academic program and professional life. Completion of the advanced practices in second language teaching certificate indicates successful participation in a set of internationally recognized, high-quality summer institutes for language teaching and provides a vehicle for teachers to receive tangible recognition of preparation in advanced language teaching practices and methodologies.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A completed bachelor's degree is required for admission.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a one page personal statement discussing your experience teaching languages and the ways this certificate program will contribute to your professional development. Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
- Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

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The University of Minnesota is an equal opportunity educator and employer.
Information current as of September 19, 2014
The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Courses (6 credits)
- CI 5621 - Culture as the Core in the Second Language Classroom (2.0 cr)
- CI 5622 - Second Language Acquisition Basics for Teachers (2.0 cr)
- LGTT 5110 - Technology in the Second Language Classroom (2.0 cr)

Elective Courses (6 credits)
Take 3 or more course(s) totaling 6 or more credit(s) from the following:
- CI 5623 - Improving Language Learning: A Practical Course in Styles- and Strategies-based Instruction (2.0 cr)
- CI 5624 - Content-based Language Instruction and Curriculum Development (2.0 cr)
- CI 5625 - Developing Assessments for the Second Language Classroom (2.0 cr)
- CI 5626 - Developing Learners' Sociocultural Competence (2.0 cr)
Twin Cities Campus

Agricultural Education M.Ed.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Master of education (M.Ed.)/initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards of the Minnesota Board of Teaching.

The agricultural education initial licensure program at the University of Minnesota is designed to help students become accomplished professional educators who can help students succeed in the classroom. The program prepares inquiring, analytical, and reflective professional educators who can teach in the classroom and lead in the schools.

Students enter a 12- to 15-month program integrating educational theory with classroom practice. Working closely with experienced teachers, students observe firsthand the daily rewards and pressures of their profession.

Flexibility is an important advantage of this program. Students may enroll in any semester and are welcomed into the entire agriculture education program, building valuable professional support. A second advantage is that most program credits may be applied toward completion of the M.Ed. degree. Students have five years to complete their degree, beginning with the first course(s) used in the program, and must maintain a 2.80 minimum overall grade point average (GPA).

This program includes two components: initial licensure and the M.Ed. degree. After successfully completing licensure requirements and appropriate work experience, students are recommended for state licensure to teach agricultural education in grades 5-8 and 7-12. This program may also provide initial preparation for Minnesota State College and Universities (MnSCU) licensure in farm business management education.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.50.

Relevant professional experience or a relevant undergraduate major is also required.

Other requirements to be completed before admission:
Candidates for both plans must have at least one year of professional experience before the degree is awarded.

Special Application Requirements:
In addition to other required materials, when applying online applicants must submit Statements #1 and 2, a résumé and two letters of recommendation from individuals who can attest to the student's potential in the field. Admissions is done on a rolling basis with the following semestery deadlines: March 1 (Summer), July 1 (Fall), and November 1 (Spring)

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 15 major credits and 15 credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Program Sub-plans
Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

License
After successfully completing licensure requirements and appropriate work experience, students are recommended for state licensure to teach agricultural education in grades 5-8 and 7-12. This program may also provide initial preparation for Minnesota State College and Universities (MnSCU) licensure in farm business management education.

Please see OLPD website for more information about Licensure requirements in addition to the M.Ed.
http://www.cehd.umn.edu/OLPD/grad-programs/licensure.html

Required Courses
AFEE 5995 - Integrating Paper--Master of Education: Agricultural and Extension Education (1.0 - 4.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
6 credits minimum in additional AFEE courses credits in consultation with adviser: At least 2 credits from each of the following three areas: curriculum; methods; and program planning/organization/management
16 credits in agricultural, food, and environmental sciences or related fields of study credits in consultation with adviser (A maximum of 12 credits of AFEE 5220: Special Topics in Agriculture Education and Extension (1-3 cr) may be applied to this requirement.)
AFEE 5290 - Seminar: Current Issues in Agricultural Education and Extension (1.0 - 3.0 cr)
  or AFEE 5280 - Current Issues for the Beginning Agricultural Education Teacher (1.0 - 3.0 cr)
  or Equivalent course chosen in consultation with an adviser
Electives
in consultation with adviser, if needed to meet 30 credit degree requirement

Professional Studies
This sub-plan is for individuals who are interested in agri-industry training and development, sales and sales management, extension service, or other areas of agriculturally based business.

With guidance from faculty advisers, students choose at least 30 semester credits that may include coursework, independent study, internships, workshops, school-based experiences, and an integrating paper. Students can also enroll in courses offered during the summer and at off-campus school sites.

Required Courses
AFEE 5995 - Integrating Paper--Master of Education: Agricultural and Extension Education (1.0 - 4.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
10 credits selected from the following two areas credits in consultation with adviser: methods and program planning/organization/management
12 credits in agricultural, food, and environmental sciences or related fields of study credits in consultation with adviser (A maximum of 8 credits of AFEE 5220: Special Topics in Agriculture Education and Extension (1-3 cr) may be applied to this requirement.)
AFEE 5290 - Seminar: Current Issues in Agricultural Education and Extension (1.0 - 3.0 cr)
or an equivalent course chosen in consultation with an adviser

Electives
Electives in consultation with adviser, if needed, to meet 30 credit degree requirement
Twin Cities Campus

Applied Developmental Psychology Postbaccalaureate Certificate
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Institute of Child Development, 51 East River Parkway, Minneapolis, MN 55455 (612-624-0526; fax: 612-624-6373).
Email: borde021@umn.edu

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 21
- This program does not require summer semesters for timely completion.
- Degree: Appl Developmental Psychology PBacc Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate in applied developmental psychology allows graduate students to study and experience applications of developmental science issues, policies, and problems concerning children and child development at the local, state, and national level. Through the combination of theory and field experience, students learn how to help solve pressing real-life problems and to improve the lives of children. The 21-credit program explores such topics as ethical issues in applied developmental psychology; media and children's programming; nutrition and hunger; accidents and safety issues; children in the judicial system; the design and role of children's museums; and the development of children's toys, games, and recreational activities. Professionals in this field need to develop an in-depth understanding of how public policy affects children's lives, how to make pure research comprehensible and practical without losing its complexity, and how to work in interdisciplinary teams.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Admission to this program is currently suspended.

Special Application Requirements:
Admission is based primarily on the applicant's academic record, GRE scores, and research experience.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

CPSY 8360 Section 7 (2 cr) gives an overview of applied developmental science problems and provides a framework for the second two components of the program. CPSY 8301 (4 cr) and 8302 (4 cr) are the core courses in developmental psychology covering biological, cognitive, and social aspects of development. They are fundamental to understanding the developmental perspective. CPSY 8996 (5 cr) integrates and applies information learned in coursework. The course is individually designed based on each student's prior experience and interests. Students focus on practical and/or public policy applications of developmental research in settings such as the Search Institute, the Minnesota Children's Museum, the guardian ad litem program in the local courts, the Center for 4-H Youth Development, and the National Institute on Media and the Family. This field experience may be taken in one to three semesters or a summer session, but must be at least 5 credits and total 188 hours. A major paper describing the field experience and integrating relevant basic research literature with practical availability taking place in the field setting is expected. Electives (6 cr) may include 5xxx or 8xxx courses approved by the training directors and chosen to complement the student's area of interest.

Required Courses

Students must take CPSY 8360 for 2Cr. and CPSY 8996 for 5 Cr.

- **CPSY 8360** - Special Topics in Developmental Psychology (1.0 - 3.0 cr)
- **CPSY 8301** - Developmental Psychology: Cognitive Processes (4.0 cr)
- **CPSY 8302** - Developmental Psychology: Social and Emotional Processes (4.0 cr)
- **CPSY 8996** - Directed Field Experiences in Child Psychology (1.0 - 6.0 cr)

Electives (6 cr) may include 5xxx or 8xxx courses approved by the training directors and chosen to complement the student's area of interest.
Twin Cities Campus

Applied Kinesiology M.Ed.

Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 220 Cooke Hall, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700)
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of education (M.Ed.) professional studies degree programs are designed to meet the needs of practicing professionals in education and human development fields. Students admitted typically have interests in improving their current professional practice and applying their education in their current work responsibilities. The M.Ed. in applied kinesiology examines human movement, physical performance, and organizational structures of sport, exercise and movement science, sport and recreation management, and physical activities for persons with disabilities. The subplans in K-12 physical education, health education, and developmental and adapted physical education prepare future educators to assume leadership roles in K-12 schools.

With guidance from faculty advisers, students choose at least 30 semester credits, which may include coursework, independent study, internships, workshops, and professional, site-based experiences. Five program options are available:
1. Sport and exercise science: general preparation in a variety of areas or in-depth preparation in one area of applied kinesiology
2. Sport management: a primary focus on the management of sport and physical activity settings
3. Developmental and adapted physical education (DAPE): prepares students for Minnesota teaching licensure in DAPE for grades preK-12
4. Physical education: designed to help students become inquiring, analytical, and reflective professional educators knowledgeable about the science of movement who are prepared for leadership roles in the schools.
5. Health education: designed to prepare students in important aspects of health and well-being and who are enthusiastic and prepared for leadership roles in the schools.

Note: Candidates for the DAPE M.Ed./additional license must hold a current Minnesota teaching license in physical education.

Accreditation
This program is accredited by National Association for Colleges of Teacher Education (NCATE).

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.50.

A bachelor's degree, preferably in physical education or kinesiology.

Special Application Requirements:
Each Track has a different application due date, please see web site: http://www.cehd.umn.edu/kin/programs.asp

All applicants must submit the following items:
- Official transcripts from all postsecondary institutions the student has attended or is currently attending, except the University of Minnesota. Transcripts must be received from the issuing school in a sealed and stamped envelope, and mailed to School of Kinesiology, Cooke Hall, 1900 University Ave. Se., Minneapolis, MN 55455.
- Any student with a U.S. bachelor's degree or a comparable foreign degree from an accredited college or university may apply to
CEHD. Official transcripts of all previous post-secondary academic study must be submitted. Transcripts from coursework completed at a university outside of the United States must be evaluated by a professional credential evaluation center.

- Developmental and adapted physical education (DAPE) subplan applicants must submit a copy of current K-12 physical education license(s).

All applicants must upload or submit the following items with their online applications:
- A résumé
- A personal statement describing the applicant's career goals and rationale for interest in the M.Ed. program (limit two pages)

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan C: Plan C requires 20 to 30 major credits and 0 to 10 credits outside the major. The is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Developmental and Adapted Physical Education

The M.Ed. in Applied Kinesiology-Developmental and Adapted Physical Education (DAPE) subplan is designed for students who currently hold a Minnesota teaching license in physical education and who wish to expand their knowledge and experience to teaching developmental and adapted physical education.

The M.Ed. in Applied Kinesiology -- DAPE subplan requires a minimum of 30 graduate-level credits. Students who currently have their Minnesota teaching license in physical education generally obtain their additional license in DAPE in the School of Kinesiology and take an additional 7 course credits to earn the M.Ed. Students must maintain a 3.0 GPA.

DAPE Required Courses

The M.Ed. requires 16 credits of Kinesiology courses, 13 credits of Educational Psychology courses, and 1 elective credit. Students register for 4 credits of KIN 5196 and 3 credits of KIN 5995.

Required Kinesiology Courses

- KIN 5103 - Developmental/Adapted Physical Education (3.0 cr)
- KIN 5104 - Physical Activities for Persons with Disabilities (3.0 cr)
- KIN 5196 - Practicum: Developmental/Adapted Physical Education (1.0 - 4.0 cr)
- KIN 5995 - Research Problems in Applied Kinesiology (1.0 - 6.0 cr)

Take either KIN 4981 or KIN 5981 in consultation with adviser.

- KIN 4981 - Understanding Kinesiology Research (3.0 cr)
- KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)

Required Educational Psychology Courses

- EPSY 5613 - Foundations of Special Education I (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)

**Elective courses**

Students must take a minimum of 1 additional course credit in Kinesiology in consultation with adviser. An elective course taken outside Kinesiology must be approved by the adviser.

**Physical Education**

The physical education initial licensure program at the University of Minnesota is designed to help students become inquiring, analytical, and reflective educators with a strong experiential base on which to apply the principles and methods learned in their University courses. This program has a subset of prerequisite courses. Contact the School of Kinesiology for more information.

The Master of education (M.Ed.)/initial licensure program is for individuals with bachelor's degrees who wish to become licensed teachers. This graduate-level program provides rigorous, professional teacher preparation in accordance with the Minnesota Standards for Effective Practice for Teachers and the Physical Education Content Standards adopted by the Minnesota Board of Teaching.

The M.Ed. in Applied Kinesiology -- Physical Education subplan requires a minimum of 30 graduate-level credits. Students must maintain a 3.0 GPA. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education. For more information on the initial licensure program, go to the School of Kinesiology website.

**Required Core Coursework**

Students take 21 credits of kinesiology courses in pedagogical and theoretical foundations of education, curriculum, and clinical experience. Courses required are listed below and should be taken in consultation with the adviser. Students must register for 4 credits of KIN 6598 and 2 credits of KIN 5995.

- KIN 6151 - Theoretical Foundations of Curriculum and Instruction in Physical Education (2.0 cr)
- KIN 6521 - Pedagogy I: Elementary Physical Education (4.0 cr)
- KIN 6522 - Pedagogy II: Secondary Physical Education (4.0 cr)
- KIN 6598 - Clinical Experience III: Physical Education (2.0 - 6.0 cr)
- KIN 5152 - Curriculum Development in Physical Education (2.0 cr)
- KIN 5201 - Health Education Foundations (3.0 cr)
- KIN 5202 - Current Issues in Health (2.0 cr)
- KIN 5203 - Health Media, Consumerism, and Communication (2.0 cr)
- KIN 5204 - Methods in Health Education (3.0 cr)
- KIN 5205 - Health Education Curriculum (3.0 cr)
- KIN 6202 - Clinical Experience II: Health Education (2.0 - 6.0 cr)

Take either KIN 4981 or KIN 5981 in consultation with adviser.

- KIN 4981 - Understanding Kinesiology Research (3.0 cr)
- KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)

**Elective Courses**

Students take 9 credits of elective coursework in consultation with the adviser.

**Health Education**

The health education initial licensure program is designed to help students become inquiring, analytical, and reflective professional educators in health and health-related issues. The program seeks to develop thoughtful practitioners who can respond to the latest developments related to health and well-being and who are enthusiastic and prepared for leadership roles in the schools.

Master of education (M.Ed.)/initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Minnesota Standards for Effective Practice for Teachers and the Physical Education Content Standards adopted by the Minnesota Board of Teaching.

Teachers who are currently licensed by the state of Minnesota may obtain a Health Education Additional License offered by the School of Kinesiology.

The M.Ed. in Applied Kinesiology -- Health Education subplan requires a minimum of 30 graduate-level credits. Students must maintain a 3.0 GPA. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education. For more information on the initial licensure program, go to the School of Kinesiology website.

**Required Core Courses**

Students take 22 credits of kinesiology courses in theoretical foundations of health education, curriculum, and clinical experience. Courses required are listed below and should be taken in consultation with the adviser. Students must register for 4 credits of KIN 6202 and 2 credits of KIN 5995.

- KIN 5201 - Health Education Foundations (3.0 cr)
- KIN 5202 - Current Issues in Health (2.0 cr)
- KIN 5203 - Health Media, Consumerism, and Communication (2.0 cr)
- KIN 5204 - Methods in Health Education (3.0 cr)
- KIN 5205 - Health Education Curriculum (3.0 cr)
- KIN 6202 - Clinical Experience II: Health Education (2.0 - 6.0 cr)
KIN 5995 - Research Problems in Applied Kinesiology (1.0 - 6.0 cr)
Take either KIN 4981 or KIN 5981 in consultation with adviser.
  KIN 4981 - Understanding Kinesiology Research (3.0 cr)
  or KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)

**Elective Courses**
Students take 8 credits of elective coursework in consultation with the adviser.

**Sport and Exercise Science: Professional Studies**
Students will complete a total of 30 course credits, including a minimum of 20 kinesiology course credits and a maximum of 10 credits of non-KIN electives. This emphasis has three concentrations: Sport Performance, Athletic Training, and Health Promotion. A maximum total of 9 credits of 4xxx-level courses are allowed with adviser's consent. Students must maintain a minimum 3.0 GPA.

**Required Courses**
Students must consult with their adviser to determine their appropriate concentration and coursework. All concentrations require the following courses. Students register for 4 credits of KIN 5995.
  KIN 4981 - Understanding Kinesiology Research (3.0 cr)
  KIN 5995 - Research Problems in Applied Kinesiology (1.0 - 6.0 cr)

**Recommended KIN Elective Courses**
A minimum of 13 credits should be chosen from the following list with adviser consultation. KIN 5720, KIN 5992 and KIN 5696 are limited to 3-4 credits.
  KIN 4385 - Exercise Physiology (4.0 cr)
  or KIN 4641 - Training and Conditioning for Sport (3.0 cr)
  or KIN 4520 - Current Topics in Kinesiology (2.0 - 4.0 cr)
  or KIN 4741 - Strength and Power Development and Program Design (3.0 cr)
  or KIN 4841 - Athletic Performance and Environmental Considerations (3.0 cr)
  or KIN 4941 - Applied Sport Science (3.0 cr)
  or KIN 5122 - Applied Exercise Physiology (3.0 cr)
  or KIN 5123 - Motivational Interventions in Physical Activity (3.0 cr)
  or KIN 5136 - Psychology of Coaching (3.0 cr)
  or KIN 5142 - Applied Sport Nutrition for Athletic Performance (3.0 cr)
  or KIN 5202 - Current Issues in Health (2.0 cr)
  or KIN 5203 - Health Media, Consumerism, and Communication (2.0 cr)
  or KIN 5371 - Sport and Society (3.0 cr)
  or KIN 5375 - Competitive Sport for Children and Youth (3.0 cr)
  or KIN 5585 - Pediatric Physiology and Health: Concepts and Applications (2.0 cr)
  or KIN 5641 - Scientific Theory and Application of Training and Conditioning in Sport (3.0 cr)
  or KIN 5720 - Special Topics in Kinesiology (2.0 - 4.0 cr)
  or KIN 5723 - Psychology of Sport Injury (3.0 cr)
  or KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)
  or KIN 5992 - Readings in Kinesiology (1.0 - 9.0 cr)
  or KIN 5696 - Practicum in Kinesiology (1.0 - 6.0 cr)

**Recommended non-KIN electives**
A maximum of 10 credits of non-KIN courses may be taken. Students should consult with their adviser to determine the most appropriate courses based on academic background and future career goals.
  PUBH 6320 - Fundamentals of Epidemiology (3.0 cr)
  or PHSL 5444 - Muscle (3.0 cr)
  or PHAR 5201 - Applied Health Sciences Terminology (2.0 cr)
  or PHAR 5205 - Obesity: Issues, Interventions, Innovations (2.0 cr)
  or PHAR 5206 - Applied Health Literacy and Communication (3.0 cr)

**Sport Management: Professional Studies**
Students will complete a total of 30 credits, including 22 core course requirements and a minimum of 8 electives. Required courses will provide students with a well-balanced perspective of the industry; multiple options in elective courses allow students to focus on topics they find applicable and interesting in relation to the sport and physical activity industry. Students must maintain a minimum 3.0 GPA.

**Required Courses**
Students must register for 3 credits of KIN 5995, which must be taken in the last semester of study.
  KIN 5421 - Sport Finance (3.0 cr)
  KIN 5601 - Sport Management Ethics and Policy (3.0 cr)
  KIN 5631 - Programming and Promotion in Sport (3.0 cr)
  KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)
  KIN 5801 - Legal Aspects of Sport and Recreation (4.0 cr)
  KIN 5995 - Research Problems in Applied Kinesiology (1.0 - 6.0 cr)

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Information current as of September 19, 2014
Must be taken prior to KIN 5995:
KIN 4981 - Understanding Kinesiology Research (3.0 cr)
or KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)

Elective Courses
Students choose a minimum of 8 elective credits in consultation with adviser. Recommended electives are listed, however one (1) course may be selected from outside Kinesiology, such as in the Department of Organizational Leadership, Policy and Development or Carlson School of Management. KIN 5461 is required for students without baseline knowledge of sport management. KIN 5720 is limited to 3-4 credits.
KIN 5111 - Sports Facilities (3.0 cr)
KIN 5115 - Event Management in Sport (3.0 cr)
KIN 5371 - Sport and Society (3.0 cr)
KIN 5461 - Issues in the Sport Industry (3.0 cr)
KIN 5511 - Sport and Gender (3.0 cr)
KIN 5804 - National Collegiate Athletic Association (NCAA) Compliance (2.0 cr)
KIN 5720 - Special Topics in Kinesiology (2.0 - 4.0 cr)
Twin Cities Campus

Autism Spectrum Disorders Postbaccalaureate Certificate

Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax: 612-624-8241).
Email: sped-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych/Programs/SpecialEd/certificate/Autism.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 13
- This program does not require summer semesters for timely completion.
- Degree: Autism Spectrum Disorder Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate program in autism spectrum disorders (ASD) is designed to prepare teachers and related service personnel to design and deliver services to children and youth with ASD and their families.

ASD are developmental disorders of neurobiological origin that can affect intellectual functioning, social abilities, and language and communication skills.

This 13-credit program offers specialized training in methods of assessment, intervention, and treatment evaluation. This program offers professional development opportunities for autism resource specialists, public and private social service agency staff, personnel at public and private schools, treatment facility personnel, and psychology and education professionals.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Other requirements to be completed before admission:
International students wishing to complete the certificate must be admitted to a degree program at the University of Minnesota Twin Cities campus. Graduate applicants must have a minimum 2.80 GPA in an undergraduate degree and 3.00 in graduate coursework from accredited institutions.

Special Application Requirements:
All applicants must submit the following materials:
- Two letters of recommendation on letterhead stationery from individuals who can address the applicant's abilities to work in a professional context with this population
- Typed goal statement (no more than one page)
- Completed application
- Transcripts from all postsecondary institutions attended or currently attending, except the University of Minnesota. For students not currently in a University of Minnesota program, transcripts must be received from the issuing school in a sealed and stamped envelope.
- Foreign transcript evaluation (if applicable) from an accredited reviewer (ECS http://www.ece.org/ or WES http://www.wes.org/students/index.asp).

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

All coursework must be completed for the certificate. Students will have a maximum of four years to do so from the moment of admission. Students must maintain a minimum 3.00 GPA in certificate coursework to remain in the program.

Required Coursework
Students must complete the following coursework (13 credits).
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- EPSY 5632 - Module 2: Evidence-based Methods for AAC Assessment and Intervention (2.0 cr)
- EPSY 5633 - Module 3: Speech-generating Devices and High-Tech AAC (1.0 cr)
- EPSY 5661 - Introduction to Autism Spectrum Disorder (3.0 cr)
- EPSY 5663 - Assessment and Intervention for Individuals with Autism Spectrum Disorders (3.0 cr)
Twin Cities Campus
Business and Industry Education M.Ed.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Note: This program is no longer accepting new students.

Program Delivery
This program is available:
* via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
This program no longer accepts new students

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 14 to 30 major credits and 0 to 16 credits outside the major. The is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Required Coursework
NOTE: 6 credits of other program related courses must be taken if these requirements have already been completed. An additional course option (OLPD 5425) in lieu of OLPD 5475 used to be available but is no longer offered by OLPD. Number of credits of OLPD 5476 determined by adviser. Related coursework and elective options determined in consultation with adviser and based on student's subplan where applicable.
OLPD 5405 - Critical Issues in Business and Industry (3.0 cr)
OLPD 5475 - Curriculum Development for Business and Marketing Education (3.0 cr)
OLPD 5476 - Field Based Projects in Business and Industry (1.0 - 4.0 cr)
OLPD 5496 - Occupational Experience in Business and Industry (1.0 - 10.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
10 credits of 5xxx courses consistent with the student's focus area to be chosen in consultation with an adviser.
Electives as needed to reach 30 credits total with adviser approval
Program Sub-plans
A sub-plan is not required for this program. Students may not complete the program with more than one sub-plan.

Business and Marketing Education
Sub-plan used to help adviser and student determine courses taken to meet the 10 credits of 5xxx-level coursework and elective requirements.

Industrial Education
Sub-plan used to help adviser and student determine courses taken to meet the 10 credits of 5xxx-level coursework and elective requirements.

Postbaccalaureate B.M.E.
Sub-plan used to help adviser and student determine courses taken to meet the 10 credits of 5xxx-level coursework and elective requirements.

Postbaccalaureate Ind
Sub-plan used to help adviser and student determine courses taken to meet the 10 credits of 5xxx-level coursework and elective requirements.
Twin Cities Campus
Career and Technical Education Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organization Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1700; fax: 612-624-2231)
Email: opdo@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Technical Education PBacc Certificate Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

This certificate is designed for current instructors and those preparing to instruct in technical and community college settings, or individuals seeking a credential for workplace advancement.

Completion of Teacher Education Series (TES) requirements for this certificate program prepares students for state teaching licensure in secondary and postsecondary career and technical education. Licensure is granted by the Minnesota State Colleges and Universities (MnSCU) system and the Minnesota Department of Education (MDE).

Seventy-five percent of the certificate coursework must be completed at the University of Minnesota. Most courses will be offered on the University's Twin Cities campus, but additional courses may be offered elsewhere.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Applications are reviewed on an ongoing basis and may be submitted at any time.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

A 12-credit Regents-approved career and technical education certificate is available to students who wish to obtain a credential after completing the Teacher Education Series (TES) and approved electives.

Required courses
Minimum 8-10 credits
Students must complete the four required TES courses, listed below. For participants with no previous pedagogy courses, an additional 2 credit graduate level course related to pedagogy determined in consultation with the adviser will be required, but can be waived for those with previous pedagogy training or experience.
OLPD 5806 - Philosophy and Practice of Career and Technical Education (2.0 cr)
OLPD 5808 - Student and Trainee Assessment (2.0 cr)
OLPD 5829 - Course Development for Business and Industry (2.0 cr)
OLPD 5861 - Instructional Methods for Business and Industry (2.0 cr)

Students are encouraged to consult faculty adviser about appropriate elective course(s) to complete the program's 12-credit requirement. Elective courses must be approved by a faculty adviser.
Twin Cities Campus
Child Psychology M.A.
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Institute of Child Development, 154 Child Development Building, 51 East River Parkway, Minneapolis, MN 55455 (612-624-0526; fax: 612-624-6373)
Website: http://www.cehd.umn.edu/icd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Note: The Institute of Child Development does not offer admission for this master's degree. Students may choose to complete this master's degree (typically Plan B) during their progress toward the Ph.D. See the Child Psychology Ph.D. for more information.

Program Delivery
This program is available:
* via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan A: Plan A requires 16 major credits, up to null credits outside the major, and 10 thesis credits. The final exam is written and oral.

Plan B: Plan B requires 16 major credits and up to null credits outside the major. The final exam is written. A capstone project is required.

Capstone Project: The Plan B project is written.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Plan A requires a minimum of 20 course credits (a minimum of 16 in the child psychology major and 4 additional credits chosen with the adviser) and 10 thesis credits. Plan B requires 30 course credits (a minimum of 16 credits in the child psychology major, 6 additional credits chosen with the adviser, and 8 credits of CPSY 8994 for the plan B project). A plan B project equivalent to 120 hours of work is required.

Major Courses
- CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
- CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
- CPSY 8311 - Landmark Issues and Great Controversies in Child Development (2.0 cr)
- EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
- EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)

Additional Credits As Needed, Selected with Adviser
Plan A
Take 10 or more credit(s) from the following:
• CPSY 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

Plan B
Take 8 or more credit(s) from the following:
• CPSY 8994 - Research Problems in Child Psychology (1.0 - 6.0 cr)

Program Sub-plans
A sub-plan is not required for this program.
Students may not complete the program with more than one sub-plan.
Twin Cities Campus
Child Psychology Minor
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Email: icdapply@umn.edu
Website: http://www.cehd.umn.edu/icd

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Students majoring in other fields may complete a doctoral minor in child psychology. Contact the Institute of Child Development for more information.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
Please contact the child psychology director of graduate studies prior to declaring this minor.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Doctoral
Required Courses
CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
CPSY 8996 - Directed Field Experiences in Child Psychology (1.0 - 6.0 cr)
Remaining credits can be taken from CPSY 4xxx (subject to their major program's approval) or CPSY 8xxx courses.
Twin Cities Campus
Child Psychology Ph.D.
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Institute of Child Development, 154 Child Development Building, 51 East River Parkway, Minneapolis, MN 55455 (612-624-0526; fax: 612-624-6373).
Email: icdapply@umn.edu
Website: http://www.cehd.umn.edu/icd

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 68
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Ph.D. in child psychology focuses primarily on training for research in normal human development, and most students take positions in academic or research settings. The goal of the program is to train all students for careers in research and college teaching in child psychology, and to prepare students in the collaborative program options for careers in applied areas of child psychology, as well. General program students may choose to specialize in an area such as cognitive neuroscience, language, learning, personality, memory, perception, psychobiology, or social development. Students interested in clinical research may specialize in developmental psychopathology and clinical science through participation in the developmental psychopathology and clinical science (DPCS) training program. DPCS training is a cooperative effort between the Institute of Child Development and the Department of Psychology to instruct leaders in research and teaching. DPCS training draws on the unique strengths of each program.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
The equivalent of three semester (or four quarter) courses in psychology and one course in statistics are required.

New students are normally admitted in fall semester. Application deadline is December 1st of the preceding year. Applicants must submit, via the online application system, a departmental application for graduate work, scores from the General Test of the GRE that are less than five years old, three letters of recommendation from persons familiar with their scholarship and research potential, a complete set of unofficial transcripts, and a clearly written statement of career interests, goals, and objectives. The three letters of recommendation also must be received by the deadline. The TOEFL should be submitted when applicable. Official transcripts are only required if an offer of admission is made. For full application instructions see: http://www.cehd.umn.edu/icd/FutureStudents/CPSY/Graduate/.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
44 credits are required in the major.
0 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

The Ph.D. degree usually requires five years of graduate work. Major program components include coursework, research activities, and teaching experience. Coursework requirements are specialization specific, but all students are required to take 44 credits in the major and 24 thesis credits.

Each student specializes in an area such as social and personality development, learning, cognitive development, cognitive neuroscience, language development, psychobiology, or perceptual development.

Major Program Coursework
CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
CPSY 8311 - Landmark Issues and Great Controversies in Child Development (2.0 cr)
CPSY 8321 - Seminar in Teaching Developmental Psychology (1.0 cr)
CPSY 8322 - Apprenticeship in Teaching Developmental Psychology (1.0 - 3.0 cr)

Special Topics and Advanced Seminars (5 credits minimum)
Take 5 or more credit(s) from the following:
• CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)
• CPSY 8660 - Advanced Developmental Psychology (1.0 - 4.0 cr)

Statistical Analysis
EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)

Research Credits (14 credits minimum)
Take 14 or more credit(s) from the following:
• CPSY 8994 - Research Problems in Child Psychology (1.0 - 6.0 cr)

Additional Credits as Needed, Selected with Adviser

Thesis Credits
Take exactly 24 credit(s) from the following:
• CPSY 8888 - Thesis Credit: Doctoral (1.0 - 24.0 cr)
Twin Cities Campus
Clinical Physiology and Movement Science Minor
Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
400 Cooke Hall, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-624-4370; fax: 612-624-1314)
Email: jkonczak@umn.edu
Website: http://ccms.umn.edu/Programs.html

• Program Type: Graduate free-standing minor
• Requirements for this program are current for Fall 2014
• Length of program in credits (Masters): 9
• Length of program in credits (Doctorate): 12
• This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master's or doctoral minor in clinical physiology and movement science is an innovative free-standing graduate minor that is available to University of Minnesota graduate students. Offering a uniquely interdisciplinary program in a new, emerging field of study, the minor is designed for graduate students in clinical, engineering, nursing, public health, and medical fields who are interested in the clinical aspects of physiology and movement science. The interdisciplinary coursework combines physiology and movement science with clinical skills for research and the diagnosis and assessment of disease conditions. Developed by faculty with rich collective expertise from across the University, the minor offers students a choice of two tracks: clinical physiology or clinical movement science.

The minor is attractive to graduate students seeking a Ph.D. or master's degree in kinesiology, rehabilitation sciences, and the speech and hearing sciences; in biomedical or mechanical engineering; in the School of Nursing; in the School of Public Health; or seeking a combined M.D./Ph.D. who have an interest in a variety of medical fields such as neurology, neurosurgery, otolaryngology, orthopedics, and pediatrics.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
Students wishing to pursue this graduate minor must be currently enrolled in a graduate degree program at the University of Minnesota.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

CPMS 5101 Introduction to Clinical Physiology and Movement Science is a required core course for all students seeking the minor. KIN 5987 Professional Skills and Grant Writing for Health Sciences, 2 credits, is also required for a Ph.D. minor, unless an equivalent course has been taken or the student can document previous grant writing experience.

Additional elective courses are selected in consultation with the faculty adviser and approved by the director of graduate studies (DGS), in order to satisfy the requirements for the minor. Courses chosen will depend on the background and goals of the student. Students can select one of two tracks: clinical physiology or clinical movement science.

Program Sub-plans
Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

**Doctoral**

**Required Courses for Clinical Movement Science/Clinical Physiology Ph.D. Minor**
- CPMS 5101 - Introduction to Clinical Physiology and Movement Science (3.0 cr)
- KIN 5987 - Professional Skills and Grant Writing for Health Sciences (2.0 cr)

**Electives**
Electives are chosen in consultation with the adviser. NURS 8173 and SAPH 8173 are cross-listed.
- BMEN 5201 - Advanced Biomechanics (3.0 cr)
- or CPMS 5201 - Colloquium in Clinical Physiology and Movement Science (1.0 cr)
- or CPMS 8201 - Seminar in Clinical Physiology and Movement Science (1.0 cr)
- or KIN 5122 - Applied Exercise Physiology (3.0 cr)
- or KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)
- or KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)
- or KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
- or KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)
- or KIN 5585 - Pediatric Physiology and Health: Concepts and Applications (2.0 cr)
- or KIN 5941 - Clinical Movement Neuroscience (3.0 cr)
- or KIN 8122 - Seminar: Exercise Physiology (2.0 cr)
- or KIN 8132 - Seminar: Motor Development (3.0 cr)
- or KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)
- or KIN 8211 - Seminar: Perception and Action (3.0 cr)
- or NURS 5222 - Advanced Physiology (3.0 cr)
- or NURS 8171 - Qualitative Research Design and Methods (3.0 - 4.0 cr)
- or NURS 8173 - Principles and Methods of Implementing Research (3.0 cr)
- or NURS 8175 - Quantitative Research Design and Methods (3.0 cr)
- or OT 5393 - Functional Anatomy and Kinesiology (4.0 cr)
- or OTOL 5993 - Directed Studies (1.0 - 12.0 cr)
- or OTOL 8239 - Otoneurology (1.0 - 2.0 cr)
- or OTOL 8244 - Seminar: Current Literature (1.0 cr)
- or PUBH 6320 - Fundamentals of Epidemiology (3.0 cr)
- or PUBH 6341 - Epidemiologic Methods I (3.0 cr)
- or PUBH 6342 - Epidemiologic Methods II (3.0 cr)
- or PUBH 7415 - Introduction to Clinical Trials (3.0 cr)
- or PUBH 7420 - Clinical Trials: Design, Implementation, and Analysis (3.0 cr)
- or RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)
- or RSC 5814 - Age, Exercise, and Rehabilitation (2.0 cr)
- or RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)
- or RSC 8130 - Current Literature Seminar (1.0 - 3.0 cr)
- or RSC 8135 - Advanced Kinesiology (3.0 cr)
- or RSC 8170 - Special Topics in Rehabilitation Science (1.0 - 3.0 cr)
- or RSC 8282 - Problems in Human Movement (4.0 cr)

**Master’s**

**Required Courses for Clinical Movement Science/Clinical Physiology Master’s Minor**
- CPMS 5101 - Introduction to Clinical Physiology and Movement Science (3.0 cr)

**Electives**
Electives are chosen in consultation with the adviser. NURS 8173 and SAPH 8173 are cross-listed.
- BMEN 5201 - Advanced Biomechanics (3.0 cr)
- or CPMS 5201 - Colloquium in Clinical Physiology and Movement Science (1.0 cr)
- or CPMS 8201 - Seminar in Clinical Physiology and Movement Science (1.0 cr)
- or KIN 5122 - Applied Exercise Physiology (3.0 cr)
- or KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)
- or KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)
- or KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
- or KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)
- or KIN 5585 - Pediatric Physiology and Health: Concepts and Applications (2.0 cr)
- or KIN 5941 - Clinical Movement Neuroscience (3.0 cr)
- or KIN 8122 - Seminar: Exercise Physiology (2.0 cr)
- or KIN 8132 - Seminar: Motor Development (3.0 cr)
- or KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)
- or KIN 8211 - Seminar: Perception and Action (3.0 cr)
- or NURS 5222 - Advanced Physiology (3.0 cr)
or NURS 8171 - Qualitative Research Design and Methods (3.0 - 4.0 cr)
or NURS 8173 - Principles and Methods of Implementing Research (3.0 cr)
or SAPH 8173 - Principles and Methods of Implementing Research (3.0 cr)
or NURS 8175 - Quantitative Research Design and Methods (3.0 cr)
or OT 5393 - Functional Anatomy and Kinesiology (4.0 cr)
or OTOL 5993 - Directed Studies (1.0 - 12.0 cr)
or OTOL 8239 - Otoneurology (1.0 - 2.0 cr)
or OTOL 8244 - Seminar: Current Literature (1.0 cr)
or PUBH 6320 - Fundamentals of Epidemiology (3.0 cr)
or PUBH 6341 - Epidemiologic Methods I (3.0 cr)
or PUBH 6342 - Epidemiologic Methods II (3.0 cr)
or PUBH 7415 - Introduction to Clinical Trials (3.0 cr)
or PUBH 7420 - Clinical Trials: Design, Implementation, and Analysis (3.0 cr)
or RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)
or RSC 5814 - Age, Exercise, and Rehabilitation (2.0 cr)
or RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)
or RSC 8130 - Current Literature Seminar (1.0 - 3.0 cr)
or RSC 8135 - Advanced Kinesiology (3.0 cr)
or RSC 8170 - Special Topics in Rehabilitation Science (1.0 - 3.0 cr)
or RSC 8282 - Problems in Human Movement (4.0 cr)
Clinical Physiology and Movement Science Postbaccalaureate Certificate

Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
400 Cooke Hall, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-624-4370; fax: 612-624-1314).
Email: jkonczak@umn.edu
Website: http://ccms.umn.edu/Programs.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Clinical Physiology & Movement Science PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The clinical physiology and movement science postbaccalaureate certificate program is aimed at D.N.P. and M.D. fellows in nursing and medicine, as well as professionals in clinical fields, such as physical, occupational, and speech therapy. In addition, engineers working in the area of medical technology or medical device development are potential candidates. The interdisciplinary coursework combines physiology and movement science with clinical skills for research and the diagnosis and assessment of disease conditions. Students have the option to tailor the program to their individual needs and interest. They may select from a list of more than 30 courses. Developed by faculty with a rich collective expertise from across the University, the programs offer students a choice of two tracks: clinical physiology and clinical movement science.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Students wishing to pursue the certificate program must have completed a bachelor's degree, preferably in an allied health sciences or natural science field.

Special Application Requirements:
If the individual is applying for a certificate and is not currently enrolled in a graduate program at the University of Minnesota, two letters of support will be requested and a GPA of 3.0 or greater (or equivalent if there were a different student evaluation system) from a previous graduate program will be required. Submission package includes: clinical physiology and movement science application form, resume or curriculum vitae, transcripts, two letters of support, and documented language proficiency. Deadline for Fall semester admission is July 15; deadline for Spring semester admission is November 15.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Paper Based - Total Score: 550

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.0 is required for students to remain in good standing.

**Required Course**
This course is required for both the Clinical Movement Science track and the Clinical Physiology track:
- **CPMS 5101 - Introduction to Clinical Physiology and Movement Science (3.0 cr)**

**Elective Courses**
The following courses are offered by a number of graduate programs and can be used as course electives for the certificate program in consultation with the adviser. NURS 8173 and SAPH 8173 are cross-listed.

- **BMEN 5201 - Advanced Biomechanics (3.0 cr)**
- or **CPMS 5201 - Colloquium in Clinical Physiology and Movement Science (1.0 cr)**
- or **CPMS 8201 - Seminar in Clinical Physiology and Movement Science (1.0 cr)**
- or **KIN 5122 - Applied Exercise Physiology (3.0 cr)**
- or **KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)**
- or **KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)**
- or **KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)**
- or **KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)**
- or **KIN 5585 - Pediatric Physiology and Health: Concepts and Applications (2.0 cr)**
- or **KIN 5941 - Clinical Movement Neuroscience (3.0 cr)**
- or **KIN 8122 - Seminar: Exercise Physiology (2.0 cr)**
- or **KIN 8132 - Seminar: Motor Development (3.0 cr)**
- or **KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)**
- or **NURS 5222 - Advanced Physiology (3.0 cr)**
- or **NURS 8171 - Qualitative Research Design and Methods (3.0 - 4.0 cr)**
- or **NURS 8173 - Principles and Methods of Implementing Research (3.0 cr)**
- or **SAPH 8173 - Principles and Methods of Implementing Research (3.0 cr)**
- or **NURS 8175 - Quantitative Research Design and Methods (3.0 cr)**
- or **OT 5393 - Functional Anatomy and Kinesiology (4.0 cr)**
- or **OTOL 5993 - Directed Studies (1.0 - 12.0 cr)**
- or **OTOL 8239 - Otoneurology (1.0 - 2.0 cr)**
- or **OTOL 8244 - Seminar: Current Literature (1.0 cr)**
- or **RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)**
- or **RSC 5814 - Age, Exercise, and Rehabilitation (2.0 cr)**
- or **RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)**
- or **RSC 8130 - Current Literature Seminar (1.0 - 3.0 cr)**
- or **RSC 8135 - Advanced Kinesiology (3.0 cr)**
- or **RSC 8170 - Special Topics in Rehabilitation Science (1.0 - 3.0 cr)**
- or **RSC 8282 - Problems in Human Movement (4.0 cr)**

**Program Sub-plans**
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

**Clinical Movement Science**
Clinical movement science is a new, interdisciplinary field of study focusing on human movement dysfunctions due to neurological or orthopedic diseases or diminished physical activity. This new field bridges the gap between basic and clinical sciences by crossing the boundaries of traditional disciplines of neurology, neurophysiology, kinesiology, and physical and occupational therapy. The curriculum includes a required core course that covers the theory and application of clinical physiology and movement science. Elective courses are chosen from a broad list of offerings in departments such as kinesiology, public health, rehabilitation science, and otolaryngology.

The postbaccalaureate certificate requires a minimum of 12 semester credits. CPMS 5101 serves as a required core course for all students seeking a certificate. Electives are selected in consultation with the faculty adviser and approved by the director of graduate studies (DGS), in order to satisfy the requirements for the certificate. The specific courses chosen will depend on the background and goals of the individual student.
Sample Program for Clinical Movement Science Track

**Required**
- CPMS 5101 - Introduction to Clinical Physiology and Movement Science (3.0 cr)

**Electives**
- Students should register for 2 credits of OTOL 8239.
- RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)
- OTOL 8239 - Otoneurology (1.0 - 2.0 cr)
- KIN 5941 - Clinical Movement Neuroscience (3.0 cr)

**Clinical Physiology**
This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

Clinical physiology is a branch of physiology that bridges basic physiology and clinical medicine. It joins the gap between basic and clinical sciences by crossing the boundaries of traditional disciplines of neurology, neurophysiology, kinesiology, and physical and occupational therapy. The curriculum includes a required core course that covers the theory and application of clinical physiology and movement science. Elective courses are chosen from a broad list of offerings in departments such as kinesiology, public health, rehabilitation science, and otolaryngology.

The postbaccalaureate certificate requires a minimum of 12 semester credits. CPMS 5101 is required for all students seeking a certificate. Electives are selected in consultation with the faculty adviser and approved by the director of graduate studies (DGS) in order to satisfy the requirements for the certificate. The specific courses chosen will depend on the background and goals of the individual student.

Sample Program for Clinical Physiology Track

**Required**
- CPMS 5101 - Introduction to Clinical Physiology and Movement Science (3.0 cr)

**Electives**
- KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
- PUBH 7420 - Clinical Trials: Design, Implementation, and Analysis (3.0 cr)
- RSC 8130 - Current Literature Seminar (1.0 - 3.0 cr)
- KIN 8122 - Seminar: Exercise Physiology (2.0 cr)
Community and Learning Postbaccalaureate Certificate
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2545; fax: 612-624-8277)
Email: cigs@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 15
- This program does not require summer semesters for timely completion.
- Degree: Community and Learning Postbaccalaureate Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The community and learning certificate is designed to prepare individuals who work in community-based organizations and programs for the informal educational responsibilities that often accompany their roles.

This 15-credit certificate program prepares students to foster learning outside of the classroom and in their communities. Students will develop informal teaching and learning skills based on engagement and collaboration, and building trust and respect among participants.

The program is designed for individuals involved in community life. Examples include public health worker, youth worker, youth program leader, youth program evaluator, community program developer, community activist, community organizer, community educator, community program evaluator, environmental educator, civic engagement educator, political organizer, and teacher.

Certificate goals include providing students with:
- broad understanding of the history of democratic educational traditions and practices in community settings;
- greater knowledge of and experience with the pedagogy of teaching and learning in informal learning and everyday life situations; and
- leadership abilities that support individual and group learning, civic engagement, and empowerment.

The program is offered by the Department of Curriculum and Instruction (C&I). The certificate can also provide a portal to additional study, since courses may be applied toward a graduate-level program.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Applicants must hold a bachelor's degree from an accredited college or university.

Special Application Requirements:
This program is not recommended for international students because required courses and electives may not be offered frequently enough to meet visa requirements for courses taken each semester, unless the student is also enrolled in another degree-granting program and is completing this certificate in conjunction with it.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
IELTS
- Total Score: 6.5
MELAB
- Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Note: Certificate coursework completed with undergraduate student status cannot be applied to graduate-level degree programs.

Required Courses

The certificate requires students to complete 15 credits from the following courses.

Students must complete required courses totaling 6 credits:
- **YOST 5972** - Education in the Community (3.0 cr)
- **YOST 5974** - The Democratic Learning Community (3.0 cr)

Elective Credits

In addition, students must complete at least 9 credits from the following courses (and may not include more than one 4xxx course).

Note: Students seeking graduate credit for PHIL 4324, PHIL 4325, or PHIL 4326 must also register concurrently for PHIL 8300. To enroll in SW 8505, the student must be doctoral students in social work, or receive the approval of their adviser and the course instructor.

- **YOST 5952** - Everyday Lives of Youth (3.0 cr)
- **YOST 5954** - Experiential Learning: Pedagogy for Community and Classroom (3.0 cr)
- **YOST 5958** - Community: Context for Youth Development Leadership (3.0 cr)
- PHIL 4324
  - **Inactive**
- **PHIL 4325** - Education and Social Change [AH, CIV] (4.0 cr)
- **PHIL 4326** - Lives Worth Living: Questions of Self, Vocation, and Community [CIV, AH] (4.0 cr)
- **PHIL 8300** - Workshop in Moral and Political Philosophy (1.0 cr)
- **PA 5012** - The Politics of Public Affairs (3.0 cr)
- **SW 8505** - Advanced Community Organization and Advocacy (3.0 cr)
Twin Cities Campus
Curriculum and Instruction M.Ed.
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-4006; fax: 612-624-8277)
Email: CIninfo@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Master of Education (M.Ed.)/professional studies degree programs are designed to meet the needs of practicing professionals in education and human development fields. Students admitted typically have interests in improving their current professional practice and applying their education to their present work responsibilities.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A bachelor's degree from an accredited college or university.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a clearly written statement of career interests, goals, and objectives. Master's applications are reviewed by department faculty three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

**Plan C:** Plan C requires 30 major credits and up to null credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may complete the program with more than one sub-plan.

**Art Education**

This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Art Education is designed for experienced art teachers and others who want to acquire advanced knowledge and leadership skills in the field of art education. The program is flexible and can be tailored to accommodate individual needs. Final project requirements include a school-based project examining a problem, issue, or topic identified by the student.

The M.Ed./professional studies - Art Education sub-plan requires 12 credits of core coursework, 12 credits of Art Education coursework and 6 credits of electives for a total of 30 credits.

**Core Coursework (12 credits)**

- CI 5186 should be taken for 3 credits.
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
- CI 5177 - Practical Research (3.0 cr)
- CI 5186 - School-Related Projects (1.0 - 4.0 cr)
- CI 5351 - Technology Tools for Educators (3.0 cr)

**Art Education Requirements (12 credits)**

- CI 5075 and CI 5078 are required; CI 5075 can be taken for 1-3 credits. Other courses listed can be taken for desired amount of variable credits provided 12 total credits between required and elective courses for Art Education are completed.
- CI 5075 - The Social and Historical Foundations of Art Education (1.0 - 3.0 cr)
- CI 5078 - Application of Aesthetic Theory in Education (2.0 cr)

**Art Education Electives**

- CI 5049 and CI 5050 can be taken for 1-4 credits.
- Take 7 - 9 credit(s) from the following:
  - CI 5049 - Art Media Techniques (1.0 - 4.0 cr)
  - CI 5050 - Issues in Art Education (1.0 - 4.0 cr)
  - CI 5069 - Curriculum Innovations in Art Education (3.0 cr)

**Electives (6 credits)**

Courses will be selected in consultation with faculty adviser.

**Elementary Education**

This sub-plan is limited to students completing the program under Plan C.

ALERT: the M.Ed./professional studies degree program in Elementary Education is currently suspended. We are not accepting applications at this time.

The M.Ed./professional studies program in Elementary Education is designed for elementary teachers who want to improve their instructional, decision-making, evaluation, and leadership skills. The program is flexible and can be tailored to accommodate individual needs.

The M.Ed./professional studies - Elementary Education sub-plan requires 3 credits of core coursework, 15 credits of Elementary Education coursework and 12 credits of electives for a total of 30 credits.

**Core Coursework (3 credits)**

- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)

**Elementary Education Requirements (15 credits)**
Courses will be selected in consultation with faculty adviser.

**Electives (12 credits)**
Courses will be selected in consultation with faculty adviser.

**English Education**
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in English Education addresses the needs and interests of middle school, high school, and community-college English teachers. The English education program provides instruction on current developments in English/language arts curriculum theory and research, as well as methods for teaching literature, reading, composition, media, drama, and journalism. The program is flexible and can be tailored to accommodate individual needs.

The M.Ed./professional studies - English Education sub-plan requires 6 credits of core coursework, 18 credits of English Education coursework and 6 credits of electives for a total of 30 credits.

**Core Coursework (6 credits)**
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
- CI 5351 - Technology Tools for Educators (3.0 cr)

**English Education Requirements (18 credits)**
Take 18 or more credit(s) from the following:
- CI 5404 - Culturally Diverse Books for Children and Adolescents (3.0 cr)
- CI 5410 - Special Topics in the Teaching of Literacy (1.0 - 3.0 cr)
- CI 5417 - Elementary literacy Instruction for ESL Students (3.0 cr)
- CI 5422 - Teaching Writing in Schools (3.0 cr)
- CI 5442 - Literature for Adolescents (3.0 cr)
- CI 5451 - Teaching Reading in Middle and Secondary Grades (3.0 cr)
- CI 5462 - Evaluating and Assessing Writing (3.0 cr)
- CI 5472 - Teaching Film, Television, and Media Studies (3.0 cr)
- CI 5475 - Teaching Digital Writing: Blogs, Wikis, Online Talk, Podcasting, and E-Portfolios to Teach Writing (3.0 cr)
- CI 5501 - Language, Culture, and Education (3.0 cr)
- CI 5672 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)

**Electives (6 credits)**
Courses will be selected in consultation with faculty adviser.

**Environmental Education**
This sub-plan is limited to students completing the program under Plan C.

ALERT: the M.Ed./professional studies degree program in Environmental Education is currently suspended. We are not accepting applications at this time.

The M.Ed./professional studies degree program in Environmental Education is designed to develop leaders in environmental education through integrated research, outreach, and teaching. This program of at least 30 semester credits offers an interdisciplinary, integrated approach to environmental learning and leadership for school teachers, extension service educators, and environmental educators in formal and informal settings. Learning experiences allow students to integrate their work experience and academic study. Field work, evaluation methods, internships, and other practical applications of theory and method are integral parts of the program.

The M.Ed./professional studies - Environmental Education sub-plan requires 13 credits of core coursework, 3 credits of coursework related to research methods/evaluation/statistics, and 14 credits of electives for a total of 30 credits.

**Core Coursework (13 credits)**
- CI 5186 and CI 5190 must each be taken for a minimum of 2 credits
- ESPM 5202 - Environmental Conflict Management, Leadership, and Planning (3.0 cr)
- CI 5186 - School-Related Projects (1.0 - 4.0 cr)
- CI 5190 - Directed Individual Study in Curriculum and Instruction (1.0 - 6.0 cr)
- CI 5537 - Principles of Environmental Education (3.0 cr)
- CI 5747 - Global and Environmental Education: Content and Practice (3.0 cr)

**Research Methods, Evaluation, or Statistics (3 credits)**
A minimum of three credits, chosen in consultation with the faculty adviser, intended to provide skills or knowledge essential to the required research project.

**Electives (14 credits)**
A minimum of 14 credits of graduate-level coursework (5xxx and above) selected in consultation with faculty adviser from the following fields: natural sciences, social sciences, humanities, education, natural resources, and agriculture.
**Interdisciplinary Studies**
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Interdisciplinary Studies is a graduate-level, practitioner-based, coursework-only program designed for cohorts of experienced K-12 teachers of different subjects. It integrates coursework representing a number of academic disciplines as defined in K-12 contexts with coursework emphasizing particular areas of interest. Practicing teachers complete 30 semester credits of work in two areas: a core academic program with courses representing a range of K-12 disciplines and elective courses related to a specific focus area. The program may be combined with a certificate program offered in the Department of Curriculum and Instruction. Depending upon the cohort for which the program is designed, the program may be completed entirely online, entirely face-to-face (F2F), or as a hybrid, with a combination of F2F and online coursework.

The M.Ed./professional studies - Interdisciplinary Studies sub-plan requires a minimum of 15 credits of Interdisciplinary Studies coursework and 15 credits of electives for a total of 30 credits.

**Interdisciplinary Studies Requirements (15 credits)**
- Students will take CI 5150 twice - once under the "Educational Inequities: Race, Class & Gender" topic and the second under the "Teaching for Civic Engagement" topic.
- Take 5 or more course(s) totaling 15 or more credit(s) from the following:
  - CI 5361 - Teaching and Learning with the Internet (3.0 cr)
  - CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)
  - CI 5150 - Curriculum Topics (1.0 - 6.0 cr)
  - CI 5474 - New Literacies Frameworks and Instruction: Digital Texts and Digital Reading (3.0 cr)

**Electives (15 credits)**
Elective credits around a specific focus area will be identified for specific cohorts based on their expressed interests. Elective credits may be comprised of courses leading to a particular certificate.

**Learning Technologies**
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Learning Technologies is designed for professionals interested in using technology in their organizations (especially K-12 and college educators, new media designers, and corporate trainers). This program also serves students interested in using technology to develop instructional materials for a wide range of settings. Because TEL certificate requirements are incorporated into the M.Ed. program, students may earn a certificate while earning the M.Ed. degree.

The M.Ed./professional studies - Learning Technologies sub-plan (option 1, with Online Distance Learning or Multimedia Design and Development certificate) requires 9 credits of core coursework, 12 credits of Learning Technologies coursework and 9 credits of electives for a total of 30 credits.

The M.Ed./professional studies - Learning Technologies sub-plan (option 2, with K-12 Technology Integration certificate) requires 9 credits of core coursework, 16 credits of Learning Technologies coursework and 5 credits of electives for a total of 30 credits.

**M.Ed.-LT: Options 1 or 2**

**M.Ed. - LT w/ Online Distance Learning or Multimedia Design & Development certificate**

**Core Coursework (9 credits)**
- CI 5190 should be taken for 3 credits
- CI 5331 - Introduction to Learning Technologies (3.0 cr)
- CI 5177 - Practical Research (3.0 cr)
- CI 5190 - Directed Individual Study in Curriculum and Instruction (1.0 - 6.0 cr)

**LT Requirements (12 credits)**
- Take 4 or more course(s) totaling 12 or more credit(s) from the following:
  - CI 5321 - Foundations of Distance Education (3.0 cr)
  - CI 5323 - Online Learning Communities (3.0 cr)
  - CI 5325 - Designing and Developing Online Distance Learning (3.0 cr)
  - CI 5327 - Designing Online Adventure Learning (3.0 cr)
  - CI 5336 - Planning for Multimedia Design and Development (3.0 cr)
  - CI 5362 - Foundations of Interactive Design for Web-based Learning (3.0 cr)
  - CI 5363 - New Media and Interaction Design for Online and Mobile Learning (3.0 cr)
  - CI 5367 - Interactive Multimedia Instruction (3.0 cr)

**Electives (9 credits)**
- 3 credits under EPSY-designation; 6 credits related to technology use or education for a total of 9 credits.
M.Ed. - LT w/ K-12 Technology Integration certificate

Core Coursework (9 credits)
- CI 5190 should be taken for 3 credits
- CI 5331 - Introduction to Learning Technologies (3.0 cr)
- CI 5177 - Practical Research (3.0 cr)
- CI 5190 - Directed Individual Study in Curriculum and Instruction (1.0 - 6.0 cr)

LT Requirements (16 credits)
- Required courses are listed; additional 3 credits will be selected with faculty adviser for a total of 16 credits. CI 5330 should be taken for 3 credits.
- OLPD 5310 - Data-Driven Decision Making I (1.0 cr)
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
- CI 5330 - Special Topics in Learning Technologies (1.0 - 3.0 cr)
- CI 5351 - Technology Tools for Educators (3.0 cr)
- CI 5361 - Teaching and Learning with the Internet (3.0 cr)

Electives (5 credits)
- Courses must be related to technology use or education.

Mathematics Education
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Mathematics Education is designed for experienced mathematics teachers who want to acquire advanced knowledge and leadership skills in the field of mathematics education. The program is flexible and can be tailored to accommodate individual needs. Final project requirements include a school-based project examining a problem, issue, or topic identified by the student.

The M.Ed./professional studies - Mathematics Education sub-plan requires 6 credits of core coursework, 14 credits of Mathematics Education coursework and 10 credits of electives for a total of 30 credits.

Core Coursework (6 credits)
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
- CI 5177 - Practical Research (3.0 cr)

Mathematics Education Requirements (14 credits)
- MTHE 5314 - Teaching and Learning Mathematics (3.0 cr)
- MTHE 5366 - Technology-Assisted Mathematics Instruction (3.0 cr)
- MTHE 5993 - Directed Studies in Mathematics Education (2.0 cr)

Mathematics Education Electives
- Take 2 or more course(s) totaling 6 or more credit(s) from the following:
  - MTHE 5155 - Rational Number Concepts and Proportionality (3.0 cr)
  - MTHE 5170 - Historical Topics in the Mathematics Classroom (1.0 - 3.0 cr)
  - MTHE 5171 - Teaching Problem Solving (3.0 cr)
  - MTHE 5172 - Teaching Probability and Statistics (3.0 cr)
  - MTHE 5355 - Mathematics for Diverse Learners (3.0 cr)

Electives (10 credits)
- Courses will be selected in consultation with faculty adviser. Students choose electives from MATH-designated courses (minimum 7 credits); one MTHE-designated course may be included (maximum 3 credits).

Science Education
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Science Education is designed for experienced science teachers who want to acquire advanced knowledge and leadership skills in the field of science education. The program is flexible and can be tailored to accommodate individual needs. Final project requirements include a school-based project examining a problem, issue, or topic identified by the student.

The M.Ed./professional studies - Science Education sub-plan requires 9 credits of core coursework, 12 credits of Science Education coursework and 9 credits of electives for a total of 30 credits.

Core Coursework (9 credits)
- CI 5186 should be taken for 3 credits
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
CI 5351 - Technology Tools for Educators (3.0 cr)
CI 5186 - School-Related Projects (1.0 - 4.0 cr)

Science Education Requirements (12 credits)
CI 5533 - Current Developments in Science Teaching (3.0 cr)
CI 5534 - Studies in Science Education (3.0 cr)
CI 5535 - Foundations of Science Education (3.0 cr)
CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)

Electives (9 credits)
Courses will be selected in consultation with faculty adviser.

Social Studies
This sub-plan is limited to students completing the program under Plan C.

ALERT: the M.Ed./professional studies degree program in Social Studies Education is currently suspended. We are not accepting applications at this time.

The M.Ed./professional studies program in Social Studies Education is designed for experienced social studies teachers who want to acquire advanced knowledge and leadership skills in the field of social studies education. This program is flexible and can be tailored to accommodate individual needs.

The M.Ed./professional studies - Social Studies Education sub-plan requires 3 credits of core coursework, 15 credits of Social Studies Education coursework and 12 credits of electives for a total of 30 credits.

Core Coursework (3 credits)
CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)

Social Studies Requirements (15 credits)
Courses will be selected in consultation with faculty adviser.

Electives (12 credits)
Courses will be selected in consultation with faculty adviser.

Second Languages and Cultures
This sub-plan is limited to students completing the program under Plan C.

The M.Ed./professional studies program in Second Languages and Cultures (SLC) is designed for experienced second language teachers who want to acquire advanced knowledge of research, best practices, and effective policies in the field of second languages and cultures education. The SLC program addresses the needs and interests of second language educators in a variety of teaching contexts, including world languages, English as a second/foreign language (ESL/EFL), bilingual, and immersion settings. While the program emphasizes instructional issues related to K-12 education, it is also relevant to teachers working with university-level or adult learners. The program is flexible and can be tailored to accommodate individual needs.

Three M.Ed.- SLC options are offered. Option 1 requires a final project. Option 2 combines the M.Ed. with the certificate program in Dual Language and Immersion Education and requires a final project. Option 3 combines the M.Ed. with the certificate program in Advanced Practices in Second Language Teaching and does not require a final project.

The M.Ed./professional studies - Second Languages and Cultures sub-plan (option 1) requires 12 credits of core coursework, 12 credits of Second Languages and Cultures coursework and 6 credits of electives for a total of 30 credits.

The M.Ed./professional studies - Second Languages and Cultures sub-plan (option 2, with Dual Language & Immersion Education certificate) requires 12 credits of core coursework, 16 credits of Second Languages and Cultures coursework and 2 credits of electives for a total of 30 credits.

The M.Ed./professional studies - Second Languages and Cultures sub-plan (option 3, with Advanced Practices in Second Language Teaching certificate) requires 8 credits of core coursework and 22 credits of Second Languages and Cultures coursework for a total of 30 credits.

M.Ed.-SLC: Options 1, 2, or 3

M.Ed. - SLC
Core Coursework (12 credits)
CI 5186 should be taken for 3 credits
CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
CI 5177 - Practical Research (3.0 cr)
CI 5186 - School-Related Projects (1.0 - 4.0 cr)
CI 5351 - Technology Tools for Educators (3.0 cr)
or LGTT 5101 - Applications of Technology in Language Teaching (3.0 cr)

SLC Requirements (12 credits)
CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)
CI 5662 - Second Language Curriculum Design (3.0 cr)
CI 5642 - Assessing English Learners (3.0 cr)
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)

Electives (6 credits)
Courses will be selected in consultation with faculty adviser

-OR-

M.Ed. - SLC w/ Dual Language & Immersion Education certificate
Core Coursework (12 credits)
CI 5186 should be taken for 3 credits
CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
CI 5177 - Practical Research (3.0 cr)
CI 5186 - School-Related Projects (1.0 - 4.0 cr)
CI 5351 - Technology Tools for Educators (3.0 cr)
or LGTT 5101 - Applications of Technology in Language Teaching (3.0 cr)

SLC Requirements (16 credits)
CI 5660 should be taken for 2 credits
CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)
CI 5670 - Foundations of Dual Language and Immersion Education (3.0 cr)
CI 5671 - Curriculum Development and Assessment in Dual Language/Immersion Classrooms (3.0 cr)
CI 5672 - Language-Focused Instructional Practices and Strategies for Dual Language/Immersion Classrooms (3.0 cr)
CI 5673 - Immersion 101: An Introduction to Immersion Teaching (2.0 cr)
or CI 5674 - Immersion 101: An Introduction to Immersion Teaching in Character-based Languages (2.0 cr)

Electives (2 credits)
Course will be selected in consultation with faculty adviser

-OR-

M.Ed. - SLC w/ Advanced Practices in Second Language Teaching certificate
Core Coursework (8 credits)
CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
CI 5177 - Practical Research (3.0 cr)
LGTT 5110 - Technology in the Second Language Classroom (2.0 cr)

SLC Requirements (22 credits)
CI 5621 - Culture as the Core in the Second Language Classroom (2.0 cr)
CI 5622 - Second Language Acquisition Basics for Teachers (2.0 cr)
CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)
CI 5662 - Second Language Curriculum Design (3.0 cr)
CI 5642 - Assessing English Learners (3.0 cr)
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)

Take 3 or more course(s) totaling 6 or more credit(s) from the following:
• CI 5623 - Improving Language Learning: A Practical Course in Styles- and Strategies-based Instruction (2.0 cr)
• CI 5624 - Content-based Language Instruction and Curriculum Development (2.0 cr)
• CI 5625 - Developing Assessments for the Second Language Classroom (2.0 cr)
• CI 5626 - Developing Learners’ Sociocultural Competence (2.0 cr)
Twin Cities Campus
Disability Policy and Services Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Disability Policy and Services PBacc Cert Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate in disability policy and services is designed to allow graduate as well as community professionals, to study policies and services that affect the lives of children, youth, and adults with disabilities. The 12-credit program surveys the spectrum of education, health, and social services available to individuals with disabilities and their families, and examines the public and private networks of disability services from an interdisciplinary perspective. While the program addresses the needs of people with all types of disabilities, it emphasizes developmental disabilities across the lifespan. The program's individualized learning experience (ILE) requires students to integrate theory with practice by completing a disability-related research project or working directly with people with disabilities in settings such as schools, recreation centers, or human-service agencies.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.50.

Other requirements to be completed before admission:
Applicants must have completed an undergraduate degree by the time they start the program. Students must have completed a four-year college degree or equivalent coursework. Applications are reviewed on a rolling basis and may be submitted at any time.

Special Application Requirements:
Please address the following five questions below. Please answer each question listed and limit your response to 2 typed or word-processed pages, size-12 font. Upload your responses to the ApplyYourself online application in the "Program Specific Questions" upload area.

- What are your major areas of interest in the field of disability services or related to individuals with disabilities?
- What have been your past experiences in the area of disability services or related to individuals with disabilities?
- What is your current involvement in the field of disability services or related to individuals with disabilities?
- What is your anticipated or desired career interest?
- Why are you interested in the Disability Policy and Services Certificate Program?

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.
A minimum GPA of 2.80 is required for students to remain in good standing.

In addition to coursework, students must participate in at least six, one-hour interdisciplinary reflection groups to discuss relevant topics and ways to integrate field experiences with coursework. Reflection groups are offered throughout the year, including the summer session.

**Required Course**
OLPD 5356 - Disability Policy and Services (3.0 cr)

**Specialized Coursework**
This component broadens the student's level of knowledge in disability policies and services. Students must choose from courses offered across the University focusing on disability policy, disability services, and/or interdisciplinary teaming, such as communication disorders, family social science, kinesiology, nursing, public affairs, or social work. The ICI Certificate Coordinator can provide students with a list of acceptable courses meeting this requirement.

6 cr to be taken with approval from the ICI Certificate Coordinator

**Individualized learning experience & Interdisciplinary reflection groups**
This component allows students to integrate and apply the information they have learned in coursework. Students work with the ICI certificate coordinator to design an individualized learning experience (ILE) in which they work with persons who have disabilities in settings like schools, recreation centers, health clinics, or human-service agencies. The ILE can be completed in one or two semesters, but must total at least 3 credits and at least 200 hours.
Twin Cities Campus

Dual Language and Immersion Education Postbaccalaureate Certificate

Curriculum & Instruction

College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 15
- This program does not require summer semesters for timely completion.
- Degree: Language Immersion Education PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

This graduate-level certificate program gives students an opportunity to complete a coordinated series of courses in the area of dual language and immersion education. The program does not lead to a state teaching certificate or licensure (note that a university certificate program or certificate is distinct from a state certificate or certification).

In Minnesota and other states in the U.S., dual language/immersion teachers at the elementary level are required to hold a teaching license in elementary education and at the secondary level a license in the subject matter they teach (e.g., science, social studies, math). The University of Minnesota offers initial teacher licensure programs for individuals not yet licensed and additional teacher licensure programs for those individuals who already hold a MN teaching license and wish to add another.

The dual language and immersion education certificate program is designed for preK-12 teachers and other professionals to work effectively in the following school-based program models:
- “One-way” foreign language immersion programs designed for native English-speaking students
- “Two-way” bilingual immersion programs designed for native English-speaking students and native speakers of the program's partner language, such as Spanish
- Developmental bilingual programs designed for minority language learners, such as native Spanish speakers
- Indigenous language immersion programs designed for Native American children in indigenous communities with the goal of revitalizing an endangered language and culture

In dual language and immersion programs, second/foreign/minority language that students are acquiring is a vehicle to teach school subjects. In order to be considered a dual language or immersion program, the immersion language must be used for at least 50 percent of subject matter instruction during the elementary school years. In a middle/secondary continuation program, at least two year-long content courses must be taught in the immersion language.

These programs aim for “additive bilingualism and biliteracy,” or the acquisition of another language at no expense to the first, native language. Research shows that well-implemented programs allow students to develop higher levels of language proficiency in the immersion language than in any other type of language program model.

This unique University certificate program is the first in the United States to incorporate a coherent set of courses designed specifically for dual language and immersion teachers and other professionals. Offered by the college's Department of Curriculum and Instruction (C&I), the program was designed jointly by the college's second languages and cultures (SLC) education faculty and representatives of dual language and immersion programs in the Twin Cities metropolitan area.

Program Delivery
This program is available:
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.
A completed bachelor's degree is required for admission.

Students currently enrolled in a University of Minnesota graduate-level degree program may also apply.

Other requirements to be completed before admission:
Applicants should either be currently practicing as dual language or immersion educators, or provide evidence of the necessary background and interest (based on a goal statement).

This certificate program is available to graduate-level students only. Coursework taken before completion of the bachelor's degree cannot be applied to the certificate program.

**Special Application Requirements:**
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a goal statement (only if applicant is not a practicing dual language or immersion educator). Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:

- **TOEFL**
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550

- **IELTS**
  - Total Score: 6.5

- **MELAB**
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

**Core Courses (9 credits)**
- CI 5670 - Foundations of Dual Language and Immersion Education (3.0 cr)
- CI 5671 - Curriculum Development and Assessment in Dual Language/Immersion Classrooms (3.0 cr)
- CI 5672 - Language-Focused Instructional Practices and Strategies for Dual Language/Immersion Classrooms (3.0 cr)

**Elective Courses (6 credits)**
Courses will be selected in consultation with the faculty adviser for a total of 6 credits.
Twin Cities Campus

Early Childhood Education M.Ed.

Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Institute of Child Development, 51 East River Road, Minneapolis, MN 55455 (612-625-9778; fax: 612-624-6373)
Email: icdapply@umn.edu
Website: http://www.cehd.umn.edu/icd/

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 52 to 56
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The early childhood education initial licensure/master of education (M.Ed.) program is offered through the Institute of Child Development in collaboration with the Department of Curriculum and Instruction. The program is designed to prepare outstanding teachers of young children who will have a strong foundation in child development theory and research and developmentally appropriate methodology for teaching the different ages within the early childhood years (birth to age 8). Clinical experiences in the Shirley G. Moore Laboratory School and in local urban/suburban public schools create a strong experiential base in which to apply the principles and methods learned in University courses. Emphasis is placed on understanding individual learners, working with diverse learners, using a variety of instructional strategies, providing inclusive programming for children with and without special needs, working closely with families, creating positive classroom communities, all forms of professional writing and lesson planning, authentic assessment, documentation of student learning, reflective practice, professional development, and ethics.

Master of education/initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Standards of Effective Practice for Teachers (SEPT) and content standards adopted in fall 2010 by the Minnesota Board of Teaching.

This program includes two components: initial licensure and the M.Ed. degree. After successfully completing initial licensure requirements, students are recommended for state licensure in Minnesota to teach early childhood education (birth-third grade). After completing all M.Ed. degree requirements, including a master's paper, students are awarded the M.Ed. degree. Students have five years from initial enrollment in the program to complete their M.Ed. degree, and must maintain a 2.80 GPA to be eligible for the M.Ed.

Two groups of students typically apply to this M.Ed./initial licensure program.
1. Early Childhood Education: Foundations graduates--These applicants have completed or are completing the separate CEHD undergraduate Early Childhood Education Foundations program. Upon admission to the graduate program, this group typically completes the licensure portion in two semesters plus one summer, with an additional semester to complete the master's degree.

2. All other applicants--These applicants have not completed the undergraduate Early Childhood Education: Foundations program. This group typically completes the licensure portion of the program in five semesters, with an additional semester to complete the master's degree. Students who wish to take coursework part-time may do so, which will extend the time needed to complete the program. Required coursework is scheduled throughout the day, as well as in the evening.

Accreditation
This program is accredited by National Association for Colleges of Teacher Education (NCATE).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.
A bachelor's degree must be completed at the time of matriculation. The preferred bachelor's degree is Early Childhood Education: Foundations.

**Required prerequisites**

**Prerequisite Coursework**

Prerequisite coursework is required to meet the Standards of Effective Practice for Teachers (SEPT) and content standards adopted in fall 2010 by the Minnesota Board of Teaching: "The teacher understands the central concepts, tools of inquiry, and structures of the discipline s/he teaches." Prerequisites may be completed after admission to the program.

- CPSY 2301 - Introductory Child Psychology (4.0 cr)
- CPSY 4331 - Social and Personality Development (3.0 cr)
- CPSY 4343 - Cognitive Development (3.0 cr)
- CPSY 4993 - Directed Experiences in Early Childhood Education (3.0 cr)
- CI 3401W - Diversity in Children's Literature [WI] (3.0 cr)
- CI 5414 - Practicum: Working With Developing Readers (2.0 cr)
- CI 5413 - Foundations of Reading (3.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- CI 3610 - Linguistics for Teachers [SOCS] (3.0 cr)
  - or LING 3001 - Introduction to Linguistics [SOCS] (4.0 cr)
  - or ENGL 3601 - Analysis of the English Language (4.0 cr)
- PUBH 3005 - Fundamentals of Alcohol and Drug Abuse for Teacher Education (1.0 cr)
  - or PUBH 6003 - Fundamentals of Alcohol and Drug Abuse for Teacher Education (1.0 cr)

Other requirements to be completed before admission:

- Applicants are strongly encouraged to obtain paid or unpaid classroom experience with young children, ages birth to third grade, with multicultural and diverse populations.
- Students with an undergraduate degree unrelated to early childhood education are eligible to apply with the understanding that they will take approximately 30 additional credits to meet state licensure standards.

**Special Application Requirements:**

All applicants must submit the following five required application materials through the online application system:

1. Transcripts - Unofficial transcripts or academic records should be uploaded directly to the online application. International students should also upload an English translation if the transcript is not in English. If you are admitted, the University will then request official copies of this material. If you completed coursework at a university outside of the United States, your transcripts must be evaluated by a professional credential evaluation center by requesting a course-by-course evaluation. This transcript evaluation does not need to be submitted when you apply, but it is needed by the end of the first term to meet state licensing requirements.

2. Resume

3. Three Admission Statements

4. Two Letters of Recommendation - These letters should be written by someone who is knowledgeable about your education-related experiences, work with young children, work style, and personal attributes.

5. Application fee - This fee is charged when you submit your application and is required for each application you submit. Fees must be paid online with a credit card.

Nonnative English speakers and/or international students should also submit an official score report from the Test of English as a Foreign Language (TOEFL).

All applicants must take the Minnesota Teacher Licensure Basic Skills Test [Reading (test code 001), Writing (test code 002), and Mathematics (test code 003)] prior to beginning the program.

See full application instructions at: [http://www.cehd.umn.edu/icd/futurestudents/ece/graduate/](http://www.cehd.umn.edu/icd/futurestudents/ece/graduate/)

**Application Deadlines:**

- December 15 for summer or fall enrollment
- September 15 for spring enrollment

Applicants must submit their test score(s) from the following:

- Minnesota Teacher Licensure Exam
- MTLE Basic Skills Tests
International applicants must submit score(s) from one of the following tests:

- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 650

The preferred English language test is Test of English as Foreign Language.

Key to test abbreviations (TOEFL).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan C: Plan C requires 52 to 56 major credits and up to null credits outside the major. There is no final exam.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Students complete foundations, methods, and student teaching coursework for licensure. Some of the coursework may be taken for undergraduate credit, before admission into the program. A minimum of 30 graduate-level credits are required for the M.Ed. degree.

M.Ed. Required Coursework

Major Courses
- CPSY 5251 - Social and Philosophical Foundations of Early Childhood Education (2.0 cr)
- EPSY 5625 - Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction (2.0 cr)
- EPSY 5681 - Education of Preschool Children With Disabilities: Methods and Materials (3.0 cr)
- EPSY 5801 - Assessment and Decision Making in School and Community Settings (3.0 cr)

CPSY Methods Courses
- CPSY 5252W - Facilitating Social and Emotional Learning in Early Childhood Education [WI] (3.0 cr)
- CPSY 5253 - Facilitating Cognitive and Language Learning in Early Childhood Education (3.0 cr)
- CPSY 5254 - Facilitating Creative and Motor Learning in Early Childhood Education (2.0 cr)

CI Methods Courses
- CI 5425 - Reading Instruction in the Elementary Grades (3.0 cr)
- CI 5426 - Language Arts Instruction in the Elementary Grades (3.0 cr)
- CI 5502 - Science Instruction in the Elementary Grades (3.0 cr)
- CI 5645 - Teaching English Learners in the Elementary Classroom (3.0 cr)
- CI 5702 - Social Studies Instruction in the Elementary Grades (3.0 cr)
- CI 5822 - Mathematics Instruction in the Elementary Grades (3.0 cr)

Student Teaching

Take exactly 10 credit(s) from the following:
- CI 5181 - Clinical Experience in Elementary School Teaching (2.0 - 10.0 cr)

Take 4 - 6 credit(s) from the following:
- CPSY 5281 - Student Teaching in Early Childhood Education (1.0 - 6.0 cr)

M.Ed. Completion
- CPSY 5187 - Master's Paper in Early Childhood Education (2.0 - 4.0 cr)
Twin Cities Campus
Education Sciences Minor
Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax: 612-624-8241). Email: epsy-adm@umn.edu
Website: http://www.cehd.umn.edu/MITER/default.html

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 19
- Length of program in credits (Doctorate): 19
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The education sciences minor reflects an interdisciplinary effort that combines research in education with research in the basic arts and sciences to address problems of education. The minor draws on coursework from education, educational psychology, cognitive neuroscience, child development, psychology, and public policy. Coursework includes professional socialization courses presenting a general introduction to educational research and experimental methods; two advanced courses in research methods and statistics; and two advanced courses in cognition and learning.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Coursework includes a total of 19 credits: four courses of required coursework (13 credits), a 3-credit cognition & learning elective, and a 3-credit research methods and statistics elective.

Note: Students may not use course credits to satisfy requirements for both a graduate major and for the education sciences minor.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Doctoral
Coursework includes a total of 19 credits: four courses of required coursework (13 credits), a 3-credit cognition & learning elective, and a 3-credit research methods and statistics elective.

Note: Students may not use course credits to satisfy requirements for both a graduate major and for the education sciences minor.

Required Coursework
EPSY 8311 must be taken 3 semesters for a total of 3 credits.
Take 13 or more credit(s) from the following:
• EPSY 8117 - Writing Empirical Paper and Research/Grant Proposals in Education and Psychology (3.0 cr)
• EPSY 8311 - Education Sciences Proseminar (1.0 cr)
• EPSY 8116 - Reading for Meaning: Cognitive Processes in the Comprehension of Texts (3.0 cr)
• EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)

**Cognition & Learning Elective**
Take 3 or more credit(s) from the following:
  • EPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
  • PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
  • PSY 5015 - Cognition, Computation, and Brain (3.0 cr)
  • PSY 5054 - Psychology of Language (3.0 cr)
  • PSY 8056 - Seminar: Psychology of Language (3.0 cr)

**Research Methods and Statistics Elective**
Take 3 or more credit(s) from the following:
  • EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)
  • PSY 5065 - Functional Imaging: Hands-on Training (3.0 cr)
  • PSY 5960 - Topics in Psychology (1.0 - 4.0 cr)
  • SOC 8801 - Sociological Research Methods (4.0 cr)

**Master's**
Coursework includes a total of 19 credits: four courses of required coursework (13 credits), a 3-credit cognition & learning elective, and a 3-credit research methods and statistics elective.

**Required coursework**
EPSY 8311 must be taken 3 semesters for a total of 3 credits.
Take 13 or more credit(s) from the following:
  • EPSY 8117 - Writing Empirical Paper and Research/Grant Proposals in Education and Psychology (3.0 cr)
  • EPSY 8311 - Education Sciences Proseminar (1.0 cr)
  • EPSY 8116 - Reading for Meaning: Cognitive Processes in the Comprehension of Texts (3.0 cr)
  • EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)

**Cognition & Learning Elective**
Take 3 or more credit(s) from the following:
  • CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
  • PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
  • PSY 5015 - Cognition, Computation, and Brain (3.0 cr)
  • PSY 5054 - Psychology of Language (3.0 cr)
  • PSY 8056 - Seminar: Psychology of Language (3.0 cr)

**Research Methods and Statistics Elective**
Take 3 or more credit(s) from the following:
  • EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)
  • PSY 5065 - Functional Imaging: Hands-on Training (3.0 cr)
  • PSY 5960 - Topics in Psychology (1.0 - 4.0 cr)
  • SOC 8801 - Sociological Research Methods (4.0 cr)

Note: Students may not use course credits to satisfy requirements for both a graduate major and for the education sciences minor.
Twin Cities Campus
Education, Curriculum, and Instruction M.A.
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2545; fax: 612-624-8277).
Email: cigs@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30 to 42
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

By focusing on the curricular and instructional processes central to all educational endeavors, graduate programs within the Department of Curriculum and Instruction prepare students for professional roles in K-12 education, postsecondary and research settings, educational service agencies, and business and industry.

The M.A. degree includes formal tracks in art education; elementary education; learning technologies; literacy education; mathematics education; science education; second languages and cultures education; and social studies education.

Students must have an interest in research in education or a related field; students plan a program of coursework that prepares them to conduct scholarly research in an area of expertise related to a track or tracks listed above.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Generally a bachelor's degree with licensure and/or teaching experience fulfills the requirement. For some areas, however, there is no equivalent undergraduate program. In that case, 15 to 20 credits of undergraduate coursework determined acceptable by advisers and the Director of Graduate Studies is adequate.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the GRE, scores from the TOEFL/IELTS/MELAB (if applicable), three letters of recommendation from individuals familiar with their scholarship and research potential, a resume, a clearly written statement of career interests, goals, and objectives, and a diversity statement. Some program tracks require an example of academic writing. Master's applications are reviewed by department faculty once per academic year, with December 1 as the deadline.

Applicants must submit their test score(s) from the following:
• GRE

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
IELTS
- Total Score: 6.5
• MELAB
- Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan A: Plan A requires 15 to 26 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B: Plan B requires 24 to 26 major credits and 6 to 9 credits outside the major. The final exam is oral. A capstone project is required.

Capstone Project: All M.A. students must demonstrate familiarity with the tools of research or scholarship in their major track, the ability to work independently, and the ability to present their work effectively.

Plan B paper(s) are less formal than the Plan A thesis and may build more directly from coursework; papers should involve deep engagement of the research literature. A paper done for a course may serve as one of the Plan B papers, with the understanding that it would be extended and revised under the adviser's supervision.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

Language Requirement: For SLC track only

A minimum GPA of 3.00 is required for students to remain in good standing.

In Education, Curriculum & Instruction, students may pursue Plan A (with thesis) or Plan B (with one or two papers). Core and research course requirements are specified for Plan A and Plan B in accord with each track and are chosen in consultation with the adviser.

Plan A requires 15-26 credits in the major, depending upon the formal track chosen, and a minimum of 6 credits in one or more related fields outside the major. Plan A also requires 10 thesis credits.

Plan B requires 24-26 credits in the major and 6-9 credits in one or more related fields outside the major, depending upon formal track chosen.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may complete the program with more than one sub-plan.

Art Education

The M.A. program's art education track presents opportunities for students with experience in schools or other educational settings to develop their ability to work at the intersection of theory and practice. Gaining the knowledge and skills necessary to be reflective and well-informed art educators, graduates become educational leaders in many contexts—school districts, museums, community arts organizations, government agencies—or often pursue further graduate study. Students are encouraged to take courses both across the College of Education and Human Development and the University at large and typically fulfill program requirements by exploring issues of teaching, learning, curriculum, teacher education, and school reform in urban and suburban schools, several renowned art museums in the greater Minneapolis area, and within the initial teacher licensure program at the University. The course of study is planned in consultation with the adviser to meet the academic interests and background of the students; those needs are balanced with the expected foundations in research and scholarship. Independent scholarship is encouraged and typically comes in the form of a final project (Plan B) or a more formal thesis (Plan A).

Program faculty exhibit a strong commitment to curriculum innovation, issues of social justice and diversity, and life-long aesthetic and artistic development.
The Art Education track (Plan A) requires 10 credits of required major coursework plus an additional 5 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 31 credits.

The Art Education track (Plan B) requires 4 credits of required major coursework plus an additional 14 credits of coursework selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

**Plan A or Plan B**

**Art Ed - Plan A**
Total: 31 credits

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 15 credits
- CI 5078 - Application of Aesthetic Theory in Education (2.0 cr)
- CI 8075 - Seminar: Art Education (2.0 cr)
- CI 8079 - Research in Art Education (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Thesis Credits**
A minimum of 10 credits are required
- CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

**Art Ed - Plan B**
Total: 30 credits

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 18 credits
- CI 5078 - Application of Aesthetic Theory in Education (2.0 cr)
- CI 8075 - Seminar: Art Education (2.0 cr)

**Research Coursework**
CI 8095 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits
- CI 8095 - Problems: Art Education (1.0 - 12.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Elementary Education**
The M.A. program's elementary education track is designed to help professionals acquire and contribute to the advancement of knowledge and leadership so necessary to address the dynamic challenges of contemporary education at the elementary level. Emphasized within the track are, for example, the following: a focus on interdisciplinary approaches to curriculum development, the use of inquiry as a key pedagogical approach, the importance of a strong understanding of diversity and its social and educational implications, and child development and learning theories as the foundation for research and teaching elementary settings.

The Elementary Education track (Plan A) requires 3 credits of required major coursework plus an additional 12 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 31 credits.

The Elementary Education track (Plan B) requires 18 credits of coursework selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

**Plan A or Plan B**

**Elem Ed - Plan A**
Total: 31 credits

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 15 credits
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Thesis Credits**
A minimum of 10 credits are required
- CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-
Elem Ed - Plan B
Total: 30 credits

**Major Coursework**
Courses will be selected in consultation with faculty adviser for a total of 18 credits

**Research Coursework**
A problems course (CI 8x95) is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

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### Learning Technologies

The learning technologies (LT) M.A. track prepares people for research and practice related to multimedia, design, K-12 technology integration, and online distance learning. M.A. graduates often conduct research and engage in LT-related practice in K-12, higher education, or business or industry, such as software companies. LT coursework includes hands-on learning and use of current technologies, development of technological solutions, consideration of theory and research, and conducting educational research. The M.A.'s LT track is targeted at students interested in a stronger research orientation than those who pursue the master of education degree. M.A. students, who often continue to a Ph.D. program, are required to take courses in research methodology and to write a Plan A thesis or Plan B paper to complete their degree. Master's degrees extend the content in the certificate programs and include various courses taken from inside and outside the program. Students may engage in advanced media and software design and development or develop plans for technology integration for diverse educational settings.

The Learning Technologies track (Plan A) requires 6 credits of required major coursework plus an additional 12 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 34 credits.

The Learning Technologies track (Plan B) requires 6 credits of required major coursework plus an additional 12 credits of coursework to be selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

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**Plan A or Plan B**

#### LT - Plan A
Total: 34 credits

**Major Coursework**
18 credits are required. 6 credits of required courses are listed; 12 remaining credits must be taken in a technology certificate area.
- CI 5331 - Introduction to Learning Technologies (3.0 cr)
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Thesis Credits**
A minimum of 10 credits are required
- CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

**OR**

#### LT - Plan B
Total: 30 credits

**Major Coursework**
18 credits are required. 6 credits of required courses are listed; 12 remaining credits must be taken in a technology certificate area.
- CI 5331 - Introduction to Learning Technologies (3.0 cr)
- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)

**Research Coursework**
CI 8395 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits
- CI 8395 - Directed Study: Learning Technologies (1.0 - 6.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

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### Literacy Education

The M.A. program's literacy track is thoughtfully designed to balance theory with practical application in a variety of educational settings. There is a deep foundation in evaluating current research and students are encouraged to contribute meaningfully to research in the field of literacy. Faculty members and students work together to study at the intersection of the strands of literacy: children's and adolescent literature, critical literacies, English education, language arts, and reading. Literacy research related to diverse learners in urban, multilingual settings is a central focus of the program. The course of study is planned in consultation with the adviser to meet the academic interests and background of the students; those needs are balanced with the expected foundations in research and scholarship. Independent scholarship is encouraged and typically comes in the form of a final project (Plan B) or a more formal thesis.
The Literacy Education track (Plan A) requires 3 credits of required major coursework plus an additional 12 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 31 credits.

The Literacy Education track (Plan B) requires 18 credits of coursework selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

**Plan A or Plan B**

**Lit Ed - Plan A**
Total: 31 credits

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 15 credits
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Thesis Credits**
A minimum of 10 credits are required
- CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

**Lit Ed - Plan B**
Total: 30 credits

**Major Coursework**
Courses will be selected in consultation with faculty adviser for a total of 18 credits

**Research Coursework**
CI 8495 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits
- CI 8495 - Problems: Teaching English and Reading (1.0 - 6.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Mathematics Education**
The M.A. program's mathematics education track prepares students for research and practice related to K-12 mathematics and engineering education. The M.A. is targeted at students interested in a stronger research orientation than those who pursue the master of education (M.Ed.) degree. M.A. students, who often continue on to a Ph.D. program, are required to take courses in research methodology and to write a Plan A or Plan B paper to complete their degree. Graduate students participate in this work as teaching assistants, research assistants in externally funded projects, and as instructors.

The Mathematics Education track (Plan A) requires 9 credits of required major coursework plus an additional 6 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 31 credits.

The Mathematics Education track (Plan B) requires 3 credits of required major coursework plus an additional 12 credits of coursework selected in consultation with faculty adviser, 6 credits of required research coursework plus an additional 3 credits of research coursework selected in consultation with faculty adviser, and 6 credits in a minor/related field for a total of 30 credits.

**Plan A or Plan B**

**Math Ed - Plan A**
Total: 31 credits

**Major Coursework**
Required courses are listed
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- MTHE 5314 - Teaching and Learning Mathematics (3.0 cr)
- CI 8572 - Learning Theory and Classical Research in STEM Education (3.0 cr)

**Major Coursework - Additional Choices**
Choose any two of the following for a total of 6 credits. Any variable credit courses should be taken for 3 credits.
- MTHE 5170 - Historical Topics in the Mathematics Classroom (1.0 - 3.0 cr)
- MTHE 5171 - Teaching Problem Solving (3.0 cr)
- MTHE 5172 - Teaching Probability and Statistics (3.0 cr)
- MTHE 5366 - Technology-Assisted Mathematics Instruction (3.0 cr)
or MTHE 8591 - Seminar: Mathematics Education (1.0 - 3.0 cr)

Minor or Related Field
Selected in consultation with faculty adviser for a total of 6 credits

Thesis Credits
A minimum of 10 credits are required
CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Math Ed - Plan B
Total: 30 credits

Major Coursework
Required courses are listed; others selected in consultation with faculty adviser for a total of 15 credits
MTHE 5314 - Teaching and Learning Mathematics (3.0 cr)

Research Coursework
Required courses are listed and MTHE 8995 should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 9 credits
MTHE 8571 - Research in Mathematics Education (3.0 cr)
MTHE 8995 - Problems: Mathematics Education (1.0 - 6.0 cr)

Minor or Related Field
Selected in consultation with faculty adviser for a total of 6 credits

Science Education
The M.A. program's science education track is designed to prepare scholars to conduct thoughtful research in order to assume roles as university faculty members, educational leaders, policy makers, and researchers and to contribute meaningfully to the field. The field of science education is a broad one and includes science and environmental education at the K-12 levels, the college level, in informal and adult settings, and in early childhood. Focus areas of research within the science education area are the preparation of pre-service science teachers (K-12), induction and mentoring of beginning science teachers, design and implementation of curricula across the K-college spectrum, environmental education, cooperative learning, and social justice.

The Science Education track (Plan A) requires 12 credits of required major coursework plus an additional 3 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 31 credits.

The Science Education track (Plan B) requires 15 credits of required major coursework plus an additional 3 credits of coursework to be selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

Plan A or Plan B

Sci Ed - Plan A
Total: 31 credits

Major Coursework
Required courses are listed; others selected in consultation with faculty adviser for a total of 15 credits. CI 8570 should be taken for 3 credits.
CI 5535 - Foundations of Science Education (3.0 cr)
CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
CI 8570 - Advanced Topics in Science Education (1.0 - 4.0 cr)
CI 8571 - Equity, Policy, and Social Justice in Science Education (3.0 cr)

Minor or Related Field
Selected in consultation with faculty adviser for a total of 6 credits

Thesis Credits
A minimum of 10 credits are required
CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Sci Ed - Plan B
Total: 30 credits

Major Coursework
Required courses are listed; others selected in consultation with faculty adviser for a total of 18 credits. CI 8570 should be taken twice for a total of 6 credits.
CI 5534 - Studies in Science Education (3.0 cr)
CI 5535 - Foundations of Science Education (3.0 cr)
CI 8570 - Advanced Topics in Science Education (1.0 - 4.0 cr)
CI 8571 - Equity, Policy, and Social Justice in Science Education (3.0 cr)

Research Coursework
CI 8595 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits.

CI 8595 - Problems: Science Education (1.0 - 6.0 cr)

Minor or Related Field
Selected in consultation with faculty adviser for a total of 6 credits

Second Languages and Cultures Education
The second languages and cultures (SLC) education track is nationally and internationally known for its programs, which focus on English as a second language (ESL) for K-12, postsecondary, and adult classrooms; bilingual and immersion education; and traditional foreign language education in both K-12 and postsecondary settings. The program's perspective on language learning and teaching is markedly pedagogical and informed by an awareness of the role social context plays in the process of language learning and teaching. Master's students in the SLC track engage in coursework and projects that balance theory and research with practical application. Independent scholarship is encouraged and typically comes in the form of a final project (Plan B) or a more formal thesis (Plan A).

In addition to the regular curriculum, the second languages and cultures education track offers a specialization in English as a Second Language for Higher Education. This program focuses on the broad field of applied linguistics uniting research, teaching and service in addressing the second language learning needs of adult learners in the university and the wider community, both in the U.S. and abroad.

The SLC track (Plan A) requires 15 credits of required major coursework, which includes 3 credits of coursework dependent upon focus area (ESL or non-ESL), plus an additional 3 credits of research methodology coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 34 credits.

The SLC track (Plan B) requires 15 credits of required major coursework, plus an additional 3 credits of coursework depending upon focus area (ESL or non-ESL), 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

The SLC track, specialization in ESL for Higher Education (Plan A) requires 23 credits of required major coursework, plus an additional 3 credits of coursework selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 42 credits.

The SLC track, specialization in ESL for Higher Education (Plan B) requires 23 credits of required major coursework, plus an additional 3 credits of coursework selected in consultation with faculty adviser, and 9 credits in a minor/related field for a total of 35 credits.

Plan A or Plan B

SLC - Plan A
Total: 34 credits

Major Coursework
Required courses are listed; others selected in consultation with faculty adviser for a total of 18 credits

CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5662 - Second Language Curriculum Design (3.0 cr)
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)

or CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)

or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)

Minor or Related Field
Selected in consultation with faculty adviser for a total of 6 credits

Thesis Credits
A minimum of 10 credits are required

CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

SLC - Plan B
Total: 30 credits

Major Coursework
Required courses are listed; others selected in consultation with faculty adviser for a total of 18 credits

CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)
CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
CI 5662 - Second Language Curriculum Design (3.0 cr)
CI 5642 - Assessing English Learners (3.0 cr)
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)

**Research Coursework**
CI 8695 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits.

CI 8695 - Problems: Second Languages and Cultures Education (1.0 - 6.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**ESL w/ Higher Education specialization - Plan A**
Total: 42 credits.

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 26 credits. CI 5660 should be taken for 1 credit.

CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5653 - Methods in Teaching English as a Second Language (ESL) in Higher Education (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5649 - Language Analysis for ESL Teaching in Higher Ed (4.0 cr)
CI 5628 - Analyzing Learner Language in Second Language Acquisition (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)
CI 5654 - Practicum in Teaching English as a Second Language (ESL) in Higher Education (6.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 6 credits

**Thesis Credits**
A minimum of 10 credits are required
CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

**ESL w/ Higher Education specialization - Plan B**
Total: 35 credits

**Major Coursework**
Required courses are listed; others selected in consultation with faculty adviser for a total of 26 credits. CI 5660 should be taken for 1 credit.

CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
CI 5653 - Methods in Teaching English as a Second Language (ESL) in Higher Education (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5649 - Language Analysis for ESL Teaching in Higher Ed (4.0 cr)
CI 5628 - Analyzing Learner Language in Second Language Acquisition (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)
CI 5654 - Practicum in Teaching English as a Second Language (ESL) in Higher Education (6.0 cr)

**Minor or Related Field**
Selected in consultation with faculty adviser for a total of 9 credits

**Social Studies Education**
The M.A.'s social studies education track focuses on issues related to curriculum, instruction and assessment in K-12 social studies. Graduate students are strongly encouraged to present research papers at professional conferences, specifically the National Council for the Social Studies and the American Educational Research Association.

Faculty maintain active research agendas with several research centers at the University including the Center for Applied Research and Educational Improvement, housed within the College of Education and Human Development, and two research centers housed outside the College: the Center for Environmental Learning and Leadership and the Center for the Study of Political Psychology. Social studies faculty research interests include the areas of political socialization, political tolerance, authentic assessment, citizenship and civics education, and democratic thought. In addition, faculty members engage in research centered on the history of curricula, multicultural and gender studies, and social justice.

The Social Studies Education track (Plan A) requires 10 credits of required major coursework plus an additional 6 credits of coursework to be selected in consultation with faculty adviser, 6 credits in a minor/related field, and 10 masters thesis credits for a total of 32 credits.

The Social Studies Education track (Plan B) requires 3 credits of required major coursework plus an additional 15 credits of coursework to be selected in consultation with faculty adviser, 6 credits of research coursework which includes 3 credits for the Plan B paper, and 6 credits in a minor/related field for a total of 30 credits.

**Plan A or Plan B**
Soc Stud Ed - Plan A  
Total: 32 credits  
**Major Coursework**  
Required courses are listed; others selected in consultation with faculty adviser for a total of 16 credits. CI 8796 has to be taken for a minimum of 1 credit.  
- EPSY 5261 - Introductory Statistical Methods (3.0 cr)  
- CI 5762 - Developing Civic Discourse in the Social Studies (3.0 cr)  
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)  
- CI 8796 - Research Internship in Social Studies Education (1.0 - 6.0 cr)  
**Minor or Related Field**  
Selected in consultation with faculty adviser for a total of 6 credits  
**Thesis Credits**  
A minimum of 10 credits are required  
- CI 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)  

-OR-  

Soc Stud Ed - Plan B  
Total: 30 credits  
**Major Coursework**  
Required courses are listed; others selected in consultation with faculty adviser for a total of 18 credits  
- CI 5762 - Developing Civic Discourse in the Social Studies (3.0 cr)  
**Research Coursework**  
CI 8795 is required and should be taken for 3 credits; other courses selected in consultation with faculty adviser for a total of 6 credits  
- CI 8795 - Problems: Social Studies Education (1.0 - 6.0 cr)  
**Minor or Related Field**  
Selected in consultation with faculty adviser for a total of 6 credits
Twin Cities Campus
Education, Curriculum, and Instruction Minor
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2545; fax: 612-624-8277)
Email: cigs@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

By focusing on the curricular and instructional processes central to all educational endeavors, graduate programs within the Department of Curriculum and Instruction prepare students for professional roles in preK-12 education, postsecondary and research settings, educational service agencies, and business and industry.

The minor in education, curriculum and instruction may include a focus in any one of the available tracks: art education; culture and teaching (at the doctoral level); elementary education; learning technologies; literacy education; mathematics education; science education; second languages and cultures education; and social studies education.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
Students must consult with the Director of Graduate Studies in the Department of Curriculum & Instruction regarding specific coursework and committee involvement for the minor. The Director of Graduate Studies gives final approval for the minor coursework submitted on the Graduate Degree Plan.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minor at the master's level requires a minimum of 6 credits of CI-designated coursework selected in consultation with the Director of Graduate Studies.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Master's
A minor at the master's level requires a minimum of 6 credits of CI-designated coursework selected in consultation with the Director of Graduate Studies.

**Doctoral**

**Doctoral (12 Credits)**
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)

**Electives (6 Credits)**
Courses will be selected in consultation with the Director of Graduate Studies.
Twin Cities Campus

Education, Curriculum, and Instruction Ph.D.
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2545; fax: 612-624-8277).
Email: cigs@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 78
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

By focusing on the curricular and instructional processes central to all educational endeavors, graduate programs within the Department of Curriculum and Instruction prepare students for academic and professional roles in K-12 education, postsecondary, and research settings, educational service agencies, and business and industry.

The Ph.D. degree includes formal tracks in the following: art education; culture and teaching; elementary education; learning technologies; literacy education; science, technology, engineering and mathematics (stem) education; second languages and cultures education; and social studies education.

Students must have an interest in research in education or a related field; students plan a program of coursework that prepares them to conduct scholarly research in an area of expertise related to a track listed above.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A master's degree is preferred for admission to some of the tracks within the Ph.D. program, but it is not always required.

Other requirements to be completed before admission:
Generally a bachelor's degree with licensure and/or teaching experience fulfills the requirement. For some areas, however, there is no equivalent undergraduate program. In that case, 15 to 20 credits of undergraduate coursework determined acceptable by faculty is adequate.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the GRE, scores from the TOEFL/IELTS/MELAB (if applicable), three letters of recommendation from individuals familiar with their scholarship and research potential, a clearly written statement of career interests, goals, and objectives, a diversity statement, and a resume. Some program tracks require an example of academic writing. Doctoral applications are reviewed by department faculty once per academic year, with December 1 as the deadline.

Applicants must submit their test score(s) from the following:
- GRE

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
Program Requirements
42 credits are required in the major.
12 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

A total of 78 credits is required for the Education, Curriculum and Instruction Ph.D. program. Requirements include core coursework required by all students, major coursework in the student's selected track, research methodology coursework, and a minimum of 12 credits in a minor or supporting program. All Ph.D. students must also complete 24 doctoral thesis credits. Specific courses and additional work vary depending upon the track and are planned in consultation with the faculty adviser.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may complete the program with more than one sub-plan.

Art Education
The Ph.D. program's art education track presents opportunities for students with experience in schools or other informal educational settings to develop necessary philosophical, theoretical, and methodological competence to make scholarly contributions to the field. Working as researchers, scholars, policy makers, and practitioners, graduates become educational leaders in universities, colleges, K-12 school districts, museums, community arts organizations, and government agencies.

Students typically carry out dissertation inquiry in local urban and suburban schools, several renowned art museums in the Minneapolis-St. Paul area, and within the initial teacher licensure program at the University. Both qualitative and quantitative research methods have guided Ph.D. candidates' inquiry on the following: rightness of aesthetic-based problem solving, design thinking, and media arts theory and practice in arts classrooms; teaching critical literacy in and through the arts; innovation in culture-based arts education; and other knowledge building questions specific to art teacher development and retention.

Faculty and students are committed to understanding equity and social justice in both research and teaching. Graduate students often work closely with faculty in the development, implementation, and evaluation of national, state, and local arts education initiatives.

15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

Core Coursework
CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
OLPD 8812 - Quantitative Research in Education (3.0 cr)

Culture and Teaching
The culture and teaching (CaT) track engages the study of education as a cultural phenomenon. Students in CaT study a range of educational processes that take place both in and beyond the borders of schools, and explore alternative epistemologies and pedagogies. Faculty and students are dedicated to seeking better understandings of issues pertaining to equity and social justice in
both research and teaching. The track is interdisciplinary and collaborative, so students' work will encompass many different approaches, methods, and perspectives.

Some of CaT’s courses focus on the ways in which teachers are prepared to teach; engage in ongoing professional development; and develop their own personal and professional identities within collegial communities. Other courses examine the salience of understanding white racial identity for pedagogy and social change; as well as the implications of globalization and immigration for teaching, learning, and curriculum. Still other courses explore popular culture and media in relation to contemporary critical theory and teaching practices. "Culture" in CaT includes thinking about "high" and "popular" cultures, the cultures of teaching and the cultures of learning, and how our responses to all influence and are influenced by everyday meanings and practices.

15 credits of core coursework are required, plus an additional 6 credits of track specific coursework. 33 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

**Core Coursework**
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)

**CaT Specific Courses**
CI 8159 will be taken twice for a total of 6 credits.
- CI 8159 - Culture and Teaching Colloquium (3.0 cr)

**Elementary Education**
This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

The PhD program's elementary education track is designed to help professionals acquire and contribute to the advancement of knowledge and leadership necessary to address the dynamic challenges of contemporary education at the elementary level. Emphasized within the track are, for example, the following: a focus on interdisciplinary approaches to curriculum development, the use of inquiry as a key pedagogical approach, the importance of a strong understanding of diversity and its social and educational implications, and child development and learning theories as the foundation for research and teaching in elementary settings.

15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

**Core Coursework**
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)

**Learning Technologies**
The Ph.D.'s learning technologies (LT) track prepares students for research and practice related to multimedia, design, K-12 technology integration, and online distance learning. Ph.D. graduates often earn academic positions in higher education or become directors and leaders of development or research within business and industry. Coursework in LT includes hands-on learning and use of current technologies, development of technological solutions, research methods, and theory of curriculum, instruction, and learning.

The Ph.D. degree is targeted primarily at students interested in pursuing research careers. Student research, culminating in a dissertation, typically evaluates various learning technologies issues and interventions. Common areas of study include conditions affecting educational technology use in schools, higher education, and business settings, and tend to focus on psychological, sociological, and philosophical factors. For example, recent graduates have studied the impact of technology on learning and cognition, variables that mediate effective technology use in education, and issues related to ethical technology use.

15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

**Core Coursework**
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)
Literacy Education
Within the literacy education track there are three specializations: (1) children's and adolescent literature, (2) critical literacy and English education, and (3) reading education. Students who have an interest in literacy outside of these specialization areas are able to work with faculty and advisers to develop a program that builds on their interests. Although faculty members work within these distinct specializations, they also enjoy collaborating on teaching, research, and writing projects across the areas embedded within literacy education. Together, faculty and graduate students in the program investigate a host of issues in the field of literacy.

The literacy education track has four overarching goals. They are:
- to apply multiple theoretical and research perspectives to problems and questions central to the field;
- to engage in research, teaching, and outreach that supports culturally and linguistically diverse literacy learners;
- to develop literacy teachers and leaders for diverse schools; and
- to influence literacy policies that address inequities and benefit all learners.

15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

Core Coursework
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)

Science, Technology, Engineering, and Mathematics Education
The doctoral program's STEM education track at the University of Minnesota is interdisciplinary, focusing on science education, mathematics education, and engineering education. Students pursuing this track will choose an area of emphasis in one of the three specializations, while simultaneously participating in scholarly work that spans all areas of STEM education. This integrated-style is one of the first in the nation, and is designed to prepare scholars to conduct thoughtful disciplinary and interdisciplinary research in STEM education in order to assume roles as university faculty members, educational leaders, policy makers, and researchers.

12 credits of core coursework are required, plus an additional 6 credits of research coursework and 9 credits of track specific coursework. 27 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

Core Coursework
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)

Core Research Coursework
- EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
- EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
- EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)

STEM Specific Courses
- CI 8571 - Equity, Policy, and Social Justice in Science Education (3.0 cr)
- CI 8572 - Learning Theory and Classical Research in STEM Education (3.0 cr)
- CI 8573 - Nature of Inquiry in STEM Education (3.0 cr)

Second Languages and Cultures Education
The Ph.D. track in second languages and cultures (SLC) focuses on the study of language use, teaching, learning, and policy across a range of educational and community settings, including programs that serve language minority and language majority learners: ESL/EFL, foreign language education, and bilingual and immersion education. The Ph.D. track is designed to assume roles as university faculty members, researchers, policy makers, and educational leaders. Independent scholarship is the cornerstone of the Ph.D.

The SLC Ph.D. track has four specializations that correspond to the program's primary focus areas and faculty expertise.
1) Second language acquisition and classroom discourse research examines language learning processes and the way language is used by learners and their interlocutors in or out of school.
2) Second language pedagogy and teacher development research examines teachers' classroom practices and strategies as well as professional identities, experiences and attitudes.
3) Language policy research involves analysis of the formation, implementation, and negotiation of language policy in national, school, community, and private spheres.
4) Languages and cultures across schools and communities research examines connections across homes, schools, and communities with an emphasis on the experience.
15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

Core Coursework
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)

Social Studies Education
The PhD program's social studies education track focuses on issues related to curriculum, instruction, and assessment in K-12 social studies. Full-time graduate students generally have opportunities to supervise student teachers, teach introductory social studies classes, and conduct and publish research with one or more faculty members. Doctoral students are required to complete a research internship with one or more of the faculty as part of their study for the degree. Graduate students are strongly encouraged to present research papers at professional conferences, specifically the National Council for the Social Studies and the American Educational Research Association. Recent Ph.D. graduates have conducted research in the areas of intercultural relations, moral development, multicultural gender-fair curriculum, social studies instructional issues, and the standards movement as it relates to social studies education. Graduates have assumed positions as instructional leaders in the public schools, curriculum development specialists, social studies assessment specialists, and college/university faculty.

15 credits of core coursework are required. 39 additional course credits will need to be selected in consultation with the student's faculty adviser, which includes 12 credits outside the track. 24 doctoral thesis credits are also required.

Core Coursework
- CI 8131 - Curriculum and Instruction Core: Critical Examination of Curriculum in Context (3.0 cr)
- CI 8132 - Curriculum and Instruction Core: Teaching Theory and Research (3.0 cr)
- CI 8133 - Research Methods in Curriculum and Instruction (3.0 cr)
- CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
- OLPD 8812 - Quantitative Research in Education (3.0 cr)
Twin Cities Campus
Educational Psychology M.A.
Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax: 612-624-8241).
Email: epsy-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30 to 50
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The educational psychology program has five tracks: counseling and student personnel psychology (CSPP); school psychology; special education; psychological foundations of education (learning and cognition/educational technology, social psychological and social developmental processes in educational psychology including human relations); and quantitative methods in education (including measurement, evaluation, statistics, and statistics education).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applicants must apply online submitting a department application, three letters of recommendation, and a statement of goals and interests. Official transcripts from all colleges and universities attended should accompany the application. The GRE is required for all tracks. Applications to CSPP (deadline January 15), and special education (deadline December 1) are accepted for fall admission only. Applications to psychological foundations and quantitative methods in education are accepted for fall admission (deadlines December 1 and March 1) as well as summer admission (deadline March 1) and spring admission (deadline October 15). School psychology does not offer the MA as a terminal degree.

Applicants must submit the following test score(s):
GRE General Test

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

Plan A: Plan A requires 20 to 40 major credits, 0 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B: Plan B requires 30 to 50 major credits and 0 credits outside the major. The final exam is written and oral.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Students must complete credits in EPSY core courses (3 credits in statistics, 3 credits in measurement/evaluation, 3 credits in learning/cognition or social/personality). EPSY core courses must be taken on an A-F grade basis. Plan A students must take 10 thesis credits; Plan B registration varies by track. Students must have a minimum of 14 credits in EPSY. Further required credits are detailed within subplan requirements.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Counseling and Student Personnel Psychology

This sub-plan is limited to students completing the program under Plan B.

The counseling and student personnel psychology (CSPP) track subscribes to the scientist/practitioner model, which assumes that scholarly inquiry and counseling practice are interdependent and complementary. The track's primary mission is to prepare counseling psychologists to bring a well-trained professional's attitude and interest to bear on the application of psychological and educational knowledge. In addition to becoming skilled clinicians, students learn to be critical consumers and producers of both quantitative and qualitative research. Emphasis areas: community counseling, school counseling, and student personnel psychology/higher education.

Students take 48-50 credits distributed as follows: 9 credits EPSY core courses, 25 credits in counseling theory and practice and 14-16 credits in the area of emphasis. All courses must be taken on an A-F grade basis. The final exam is written; students must also submit a portfolio.

Ed Psych Core Course Requirements

Students must take 3 credits in statistics, 3 credits in measurement/evaluation and 3 credits in learning/cognition or social/personality.

EPsy 5261 - Introductory Statistical Methods (3.0 cr)
EPsy 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
EPsy 8132 - Personality Development and Socialization (3.0 cr)

Counseling Theory & Practice Requirements

EPsy 8402 - Individual Counseling: Theory and Applications (3.0 cr)
EPsy 8403 - Social/Cultural Contexts: Counseling and Skills (3.0 cr)
EPsy 8404 - Group Counseling: Theory, Applications, and Skills (3.0 cr)
EPsy 8405 - Career Development: Theory, Skills, and Counseling Applications (3.0 cr)
EPsy 8406 - Professional Ethics for Counselors and Psychologists (3.0 cr)
EPsy 8407 - Assessing and Counseling Clients With Psychological Disorders (4.0 cr)
EPsy 8501 - Counseling Pre-Practicum (3.0 cr)
EPsy 8431 - Master's Research Seminar: CSPP (3.0 cr)

Courses in Area of Emphasis

Students must take additional courses (14-16 credits) in their area of emphasis.

Community Emphasis

Students must take 4 credits of EPSY 8503, 4 credits of EPSY 8504, 2 credits electives (in consultation with adviser), and either EPSY 5415 or EPSY 5400 twice for 2 credits each.

EPsy 8503 - Counseling Practicum I (1.0 - 4.0 cr)
EPsy 8504 - Counseling Practicum II (1.0 - 4.0 cr)

Elective course (minimum 2 cr.) in consultation with adviser

Take either EPSY 5415 or EPSY 5400 Child/Adol Thry & Issues (2 cr.) and EPSY 5400 Child/Adol Dev & Family Issues (2 cr.).
EPSY 5415 - Child and Adolescent Development and Counseling (4.0 cr)

or
EPSY 5400 - Special Topics in Counseling Psychology (1.0 - 4.0 cr)

-OR-

Student Personnel/Higher Ed Emphasis
Students must take 4 credits of EPSY 8503 and 4 credits of EPSY 8504. EPSY5421/OLPD5724 and EPSY 5451/OLPD5704 are recommended, but not required.
EPSY 5415 - Child and Adolescent Development and Counseling (4.0 cr)
EPSY 8503 - Counseling Practicum I (1.0 - 4.0 cr)
EPSY 8504 - Counseling Practicum II (1.0 - 4.0 cr)
Elective course (minimum 2 cr.) in consultation with adviser

-OR-

School Counseling Emphasis
Students must take 3 credits of EPSY 5435, 3 credits of EPSY 8503, and 3 credits of EPSY 8504.
EPSY 5415 - Child and Adolescent Development and Counseling (4.0 cr)
EPSY 5435 - Introduction to School Counseling (3.0 - 6.0 cr)
EPSY 5436 - Crisis Management and Consulting in Schools (3.0 cr)
EPSY 8503 - Counseling Practicum I (1.0 - 4.0 cr)
EPSY 8504 - Counseling Practicum II (1.0 - 4.0 cr)

Psychological Foundations
Graduate study in psychological foundations of education prepares students for research and teaching positions in colleges and universities. Students have also gone on to positions in professional settings such as schools, private industry, human service organizations, health science units, and government agencies. The goal of the track is to apply and generate knowledge of psychological processes and methodological procedures involved in learning and teaching.

The Psychological Foundations track offers emphases in learning and cognition/educational technology or social psychological and social developmental (including human relations) processes in educational psychology. Students typically choose one of these areas in addition to achieving broad competence in all aspects of the curriculum.

Students take 33-34 credits distributed as follows: 9 credits EPSY core requirements, 3 credits research methodology, and 12 credits in an area of emphasis. Plan A students take 10 thesis credits; Plan B students take 6 research credits and 3 additional credits.

Ed Psych Core Course Requirements
Psychological Foundations students must take 9 credits (3 credits in learning/cognition or social/personality depending on area of emphasis, 3 credits in statistics and 3 credits in measurement/evaluation. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

Learning/Cognition or Social/Personality
learning/cognition
Students in the Social area of emphasis must take one of these courses.
Take 3 or more credit(s) from the following:
• EPSY 5101 - Intelligence and Creativity (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5191 - Education of the Gifted and Talented (3.0 cr)

or
social/personality
Students in the Learning area of emphasis must take one of these courses.
Take 3 or more credit(s) from the following:
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5157 - Social Psychology of Education (3.0 cr)

Statistics
Take 3 or more credit(s) from the following:
• EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
• EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
• EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
• EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)

Measurement/Evaluation
Take 3 or more credit(s) from the following:
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
•EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
• PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)

Research Methodology
EPSY 5216 - Introduction to Research in Educational Psychology and Human Development (3.0 cr)

Plan B Paper
For students completing the M.A. under Plan B.
Take 6 or more credit(s) from the following:
• EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)
• EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)

Additional 3 credits
3 additional credits are required for Plan B, preferably in either learning/cognition or social psychology/social development, but may also include other areas of Educational Psychology. Consult with adviser.

Psychological Foundations Emphases

Learning/Cognition Emphasis

Required Learning and Cognition Courses
Take 6 or more credit(s) from the following:
• EPSY 5101 - Intelligence and Creativity (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5191 - Education of the Gifted and Talented (3.0 cr)
• EPSY 5200 - Special Topics: Psychological Foundations (1.0 - 4.0 cr)

Specialization Courses in Learning and Cognition
Take 6 or more credit(s) from the following:
• EPSY 8112 - Mathematical Cognition (3.0 cr)
• EPSY 8113 - The Psychology of Scientific Reasoning (3.0 cr)
• EPSY 8114 - Seminar: Cognition and Learning (3.0 cr)
• EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 8116 - Reading for Meaning: Cognitive Processes in the Comprehension of Texts (3.0 cr)

-OR-

Social Emphasis

Required social psychology course
EPSY 5157 - Social Psychology of Education (3.0 cr)

Additional social psychology or social developmental courses
Take 6 or more credit(s) from the following:
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5200 - Special Topics: Psychological Foundations (1.0 - 4.0 cr)
• EPSY 8290 - Special Topics: Seminar in Psychological Foundations (1.0 - 6.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• PSY 8202 - Close Relationships (3.0 cr)
• PSY 8208 - Social Psychology: The Self (3.0 cr)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)

Additional 3 credits - Plan A only
3 additional credits are required for Plan A, preferably in either social psychology/social development or learning/cognition, but may also include other areas of Educational Psychology.

Quantitative Methods in Education
This sub-plan is limited to students completing the program under Plan B.

Graduate study in quantitative methods in education (QME) prepares students for a wide variety of careers, including positions in college and university teaching and research, research and evaluation centers, test publishing firms, public school systems, state departments of instruction, and private industry. The goal of the QME track is to provide students with broad but rigorous methodological skills so that they may conduct research on methodologies, may help to train others in methodology, or will have the skills necessary to conduct research in related fields.

The QME track offers emphases in measurement, evaluation, statistics, and statistics education. Students typically choose one of these areas in addition to achieving competence in all aspects of the curriculum.
Students take 30 credits distributed as follows: 9 credits EPSY core requirements, 18 credits QME core requirements (6 credits can be used to satisfy EPSY core requirements, and 3 research credits (EPSY 5991) for the Plan B paper. 2 additional courses (minimum 6 credits) in the area of emphasis are determined in consultation with adviser.

**Ed Psych Core Course Requirements**
Students must take 3 credits in statistics, 3 credits in measurement/evaluation and 3 credits in learning/cognition or social/personality. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

**Statistics**
QME core courses EPSY 8251 or 8252 will satisfy this requirement.

**Measurement/Evaluation**
QME core courses EPSY 5221, 5243, 5244 or 5247 will satisfy this requirement.

**Learning/Cognition or Social/Personality**
3 credits required from learning/cognition or social/personality.

**learning/cognition**
Take 3 or more credit(s) from the following:
- EPSY 5101 - Intelligence and Creativity (3.0 cr)
- EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
- EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
- EPSY 5119 - Mind, Brain, and Education (3.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 8112 - Mathematical Cognition (3.0 cr)
- EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
- PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
- PSY 5015 - Cognition, Computation, and Brain (3.0 cr)
- CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)

**or social/personality**
Take 3 or more credit(s) from the following:
- EPSY 5135 - Human Relations Workshop (4.0 cr)
- EPSY 5151 - Cooperative Learning (3.0 cr)
- EPSY 5157 - Social Psychology of Education (3.0 cr)
- EPSY 8132 - Personality Development and Socialization (3.0 cr)
- PSY 5101 - Personality Psychology (3.0 cr)
- PSY 5135 - Psychology of Individual Differences (3.0 cr)
- PSY 5202 - Attitudes and Social Behavior (3.0 cr)
- PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
- PSY 5205 - Applied Social Psychology (3.0 cr)
- PSY 5207 - Personality and Social Behavior (3.0 cr)
- PSY 8201 - Social Cognition (3.0 cr)
- PSY 8202 - Close Relationships (3.0 cr)
- PSY 8208 - Social Psychology: The Self (3.0 cr)
- CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
- CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)
- SOC 8721 - Theories of Social Psychology (3.0 cr)

**Plan B Paper**
Students take 3 credits for their Plan B paper.

EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

**QME Core Course Requirements**
EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)

**Courses in area of emphasis**
Students must take two additional courses (minimum 6 credits) in their area of emphasis.

**Evaluation Emphasis**
OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)
QME course in consultation with adviser (3 credits)
Measurement Emphasis
Students must take one 8xxx level measurement course (3 credits)
QME course in consultation with adviser (3 credits)

Statistics Emphasis
EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
QME course in consultation with adviser (3 credits)

Statistics Education Emphasis
EPSY 5271 - Becoming a Teacher of Statistics (3.0 cr)
MathEd (MTHE) course in consultation with adviser (3 credits)

School Psychology
School psychology does not offer the M.A. as a terminal degree; rather, the M.A. is required to obtain the Specialist Certificate or Ph.D. in educational psychology.

Students take 30 credits distributed as follows: 9 credits EPSY core requirements and 11-19 credits School Psychology course requirements. Plan A students must take 10 thesis credits; Plan B students take 2 research credits (EPSY 8994).

EPSY Core Course Requirements
Students must take 3 credits in statistics, 3 credits in measurement/evaluation and 3 credits in learning/cognition or social/personality. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

Statistics
EPSY 5261 - Introductory Statistical Methods (3.0 cr)
or EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)

Measurement/Evaluation
EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)

Learning/Cognition or Social/Personality
EPSY 8114 - Seminar: Cognition and Learning (3.0 cr)
or EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)

Plan B Paper
For students completing the M.A. program under Plan B.
Take 2 or more credit(s) from the following:
• EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)

School Psychology Course Requirements
Plan A students choose 11 credits and Plan B students choose 19 credits from the list below. Take 11 - 19 credit(s) from the following:
• EPSY 5216 - Introduction to Research in Educational Psychology and Human Development (3.0 cr)
• EPSY 5802 - Foundations of Developmental Psychology Across the Lifespan (3.0 cr)
• EPSY 5851 - Engaging Diverse Students and Families (3.0 cr)
• EPSY 8811 - Assessment in School Psychology I: Foundations of Academic Assessment (3.0 cr)
• EPSY 8812 - Assessment in School Psychology II: Intellectual and Social-Emotional Domains (3.0 cr)
• EPSY 8813 - Assessment Practicum in School Psychology (2.0 cr)
• EPSY 8815 - Individual and System Socio-Emotional Interventions (3.0 cr)
• EPSY 8816 - Individual and Systems Academic Interventions (3.0 cr)
• EPSY 8817 - School Psychological Consultation (3.0 cr)
• EPSY 8818 - Intervention Practicum in School Psychology (1.0 cr)
• EPSY 8821 - Issues in School Psychology (3.0 cr)
• EPSY 8822 - Research in School Psychology (1.0 - 3.0 cr)
• EPSY 8823 - Ethics and Professional Standards in School Psychology (3.0 cr)
• EPSY 8849 - Assessment in Early Childhood (3.0 cr)
• EPSY 8800 Special Topic: Emotion and Psychopathology (3 cr.)

Special Education
The special education track offers opportunities for research and specializations in autism spectrum disorders, deaf/hard-of-hearing, emotional behavior disorders, early childhood special education, specific learning disabilities, developmental disabilities, and self-injurious behaviors and applied behavior analysis. Early involvement in research projects and the development of original research programs in areas such as academic instructional strategies, social and cognitive development, behavioral/psychological management, child development, and technology are encouraged.

The special education track focuses on the attainment of core competencies required for special education professionals as well as interdisciplinary skills and goals. A complementary emphasis is placed on problem solving that is influential in the social and cultural
perceptions, care, education, intervention, and support of persons with disabilities.

Students may emphasize consulting, college teaching, or research in one or more of the specializations.

Students take 32 credits distributed as follows: 9 credits EPSY core courses, 10 credits Special Ed course requirements, 3 elective credits (in consultation with adviser). Plan A students must take 10 thesis credits; Plan B students take 6 credits in Research Problems (EPSY 8994) and 4 additional credits (in consultation with adviser).

**EPSY Core Course Requirements**

Students must take 3 credits in statistics, 3 credits in measurement/evaluation and 3 credits in learning/cognition or social/personality. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

**Statistics**

Take 3 or more credit(s) from the following:
- EPSY 5261 - Introductory Statistical Methods (3.0 cr)
- EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
- EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
- EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
- EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
- EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
- EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
- EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)
- EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)

**Measurement/Evaluation**

3 credits required in measurement or evaluation

- Observation and measurement:
  - EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
  - EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
  - EPSY 8221 - Psychological Scaling (3.0 cr)
  - EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
  - EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
  - EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
  - EPSY 8265 - Factor Analysis (3.0 cr)
  - PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
  - PSY 5865 - Advanced Psychological and Educational Measurement (4.0 cr)

or evaluation:

Take 3 or more credit(s) from the following:
- EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
- EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
- EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
- EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)

**Learning/Cognition or Social/Personality**

3 credits required in learning/cognition or social/personality

- Learning/cognition
  - EPSY 5101 - Intelligence and Creativity (3.0 cr)
  - EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
  - EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
  - EPSY 5114 - Psychology of Student Learning (3.0 cr)
  - EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
  - EPSY 5119 - Mind, Brain, and Education (3.0 cr)
  - EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
  - EPSY 8112 - Mathematical Cognition (3.0 cr)
  - EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
  - EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
  - PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
  - PSY 5015 - Cognition, Computation, and Brain (3.0 cr)
  - CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)

or Social/personality

Take 3 or more credit(s) from the following:
- EPSY 5135 - Human Relations Workshop (4.0 cr)
- EPSY 5151 - Cooperative Learning (3.0 cr)
- EPSY 5157 - Social Psychology of Education (3.0 cr)
• EPSY 8132 - Personality Development and Socialization (3.0 cr)
• PSY 5101 - Personality Psychology (3.0 cr)
• PSY 5135 - Psychology of Individual Differences (3.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• PSY 8202 - Close Relationships (3.0 cr)
• PSY 8208 - Social Psychology: The Self (3.0 cr)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
• CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)
• SOC 8721 - Theories of Social Psychology (3.0 cr)

Plan B
For students completing the M.A. under Plan B.
Take 6 or more credit(s) from the following:
• EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)
Electives selected in consultation with adviser (4 credits)

Special Ed Course Requirements
Students take 7 credits in Special Ed Foundations courses, 3 credits Special Ed elective course, and 3 additional elective credits (consult with adviser).

special ed foundations courses
Students must take these two courses.
• EPSY 5613 - Foundations of Special Education I (3.0 cr)
• EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)

special ed elective course
Take 3 or more credit(s) from the following:
• EPSY 5615 - Advanced Academic Interventions (3.0 cr)
• EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
• EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
• EPSY 5621 - Assessment and Instructional Design for Students with Developmental Disabilities (3.0 cr)
• EPSY 5624 - Biomedical and Physical Impairments of Students with Developmental Disabilities (2.0 cr)
• EPSY 5625 - Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction (2.0 cr)

additional elective course
Elective course in consultation with adviser (minimum 3 credits)
**Twin Cities Campus**

**Educational Psychology Minor**

**Educational Psychology**

**College of Education and Human Development**

Link to a list of faculty for this program.

**Contact Information:**
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455; (612-624-6083; fax: 612-624-8241)
Email: epsy-adm@umn.edu
Website: [http://www.cehd.umn.edu/edpsych](http://www.cehd.umn.edu/edpsych)

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 15
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](http://www.cehd.umn.edu/edpsych#general-information) section of the catalog website for requirements that apply to all major fields.

The educational psychology program has five tracks: counseling and student personnel psychology (CSPP); school psychology; special education; psychological foundations of education (learning and cognition/educational technology, social psychological and social developmental processes in educational psychology including human relations); and quantitative methods in education (including measurement, evaluation, statistics, and statistics education).

**Program Delivery**

This program is available:
- via classroom (the majority of instruction is face-to-face)

**Prerequisites for Admission**

For an online application or for more information about graduate education admissions, see the [General Information](http://www.cehd.umn.edu/edpsych#general-information) section of the catalog website.

**Program Requirements**

Use of 4xxx courses towards program requirements is not permitted.

A master's minor requires at least 6 credits of graduate-level EPSY courses. A doctoral minor requires at least 15 credits of graduate-level EPSY courses, of which at least 9 credits must be in 8xxx courses. Course selection is determined in consultation with the educational psychology committee member. Courses must be taken on an A-F grade basis.

**Program Sub-plans**

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

Students may not complete the program with more than one sub-plan.

**Master's**

A master's minor requires at least 6 credits of graduate-level EPSY courses. Course selection is determined in consultation with the educational psychology committee member. Courses must be taken on an A-F grade basis.

**Doctoral**

A doctoral minor requires at least 15 credits of graduate-level EPSY courses, of which at least 9 credits must be in 8xxx courses. Course selection is determined in consultation with the educational psychology committee member. Courses must be taken on an A-F grade basis.
Twin Cities Campus

Educational Psychology Ph.D.

College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax: 612-624-8241).
Email: epsy-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 69 to 102
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The educational psychology program has five tracks: counseling and student personnel psychology (CSPP); school psychology; special education; psychological foundations of education (learning and cognition/educational technology, social psychological and social developmental processes in educational psychology including human relations); and quantitative methods in education (including measurement, evaluation, statistics, and statistics education).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
For the CSPP track, students are required to have completed a 450 hour supervised practicum at the MA level. They must also complete the following courses or the equivalent.
EPsy 5221 Principles of Education and Psychological Measurement
EPsy 5261 Introductory Statistical Methods
EPsy 5415 Child and Adolescent Development and Counseling
EPsy 8132 Personality Development and Socialization
EPsy 8406 Professional Ethics for Counselors and Psychologists
EPsy 8402 Individual Counseling: Theory and Applications
EPsy 8403 Social/Cultural Contexts: Counseling and Skills
EPsy 8404 Group Counseling: Theory, Applications, and Skills
EPsy 8406 Career Development: Theory, Skills, and Counseling Applications
EPsy 8431 M.A. Research Seminar
EPsy 8501 Counseling Pre-Practicum
EPsy 8503 Counseling Practicum I
EPsy 8504 Counseling Practicum II
EPsy 8407 Assessing and Counseling Clients with Psychological Disorders
ALSO: Learning/Cognition

Special Application Requirements:
Applicants must apply online submitting a department application, three letters of recommendation, and a statement of goals and interests. In addition, school psychology applicants must also submit a critical issue essay, answering the following questions: Identify a critical problem facing contemporary schools in America or another country. What do you think are the social, political, and/or economic factors that are contributing to this problem? What specific solutions might you propose to tackle the problem?

Applications should be accompanied by official transcripts from all colleges and universities attended. The GRE is required for all tracks. An interview is required for those who make the initial cut in school psychology.
Applications to school psychology (deadline November 15), CSPP (deadline December 1), special education (deadline December 1) and psychological foundations (deadlines December 1 and March 1) are accepted for fall admission only. Applications to quantitative methods in education are accepted for fall admission (deadlines December 1 and March 1) as well as summer admission (deadline March 1) and spring admission (deadline October 15).

Applicants must submit the following test score(s):
- GRE General Test

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
45 to 78 credits are required in the major.
0 to 9 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Students must complete credits in EPSY core courses (6 credits in statistics, 3 credits in measurement/evaluation, 6 credits in research methods, 9 credits from at least two areas: learning/cognition, social/personality, history/systems), 9 credits EPSY electives and 24 thesis credits. Further required credits are detailed within subplan requirements.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Counseling and Student Personnel Psychology
The counseling and student personnel psychology (CSPP) track subscribes to the scientist/practitioner model, which assumes that scholarly inquiry and counseling practice are interdependent and complementary. The CSPP track's primary mission is to prepare counseling psychologists to bring a well-trained professional's attitude and interest to bear on the application of psychological and educational knowledge. In addition to becoming skilled clinicians, students learn to be critical consumers and producers of both quantitative and qualitative research.

Students take 81 credits distributed as follows: 24 EPSY core requirements (2 credits can be satisfied by MA research course), 9 credits EPSY electives, 35 credits CSPP course requirements in counseling theory and practice, practica, and internships (9 credits can satisfy EPSY elective requirement), and 24 thesis credits.

Ed Psych Core Course Requirements
Students must take 3 credits in history/systems, 6 credits in learning/social/personality, 6 credits in statistics, 3 credits in measurement/evaluation, 6 credits in research methods, and 9 credits EPSY electives. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

History/Systems
- EPSY 8905 - History and Systems of Psychology: Landmark Issues in Educational Psychology (3.0 cr)
Learning/Social/Personality
Take 6 or more credit(s) from the following:

learning
• EPSY 5101 - Intelligence and Creativity (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
• EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
• CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
• PSY 5015 - Cognition, Computation, and Brain (3.0 cr)

• social/personality
• EPSY 5135 - Human Relations Workshop (4.0 cr)
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5157 - Social Psychology of Education (3.0 cr)
• EPSY 8132 - Personality Development and Socialization (3.0 cr)
• EPSY 8290 Special Topic: Key Issues in Social Psychology and Education (3 credits)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• PSY 8202 - Close Relationships (3.0 cr)
• PSY 8208 - Social Psychology: The Self (3.0 cr)
• SOC 8721 - Theories of Social Psychology (3.0 cr)

Statistics
Take 6 or more credit(s) from the following:
• EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
• EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)

Measurement/Evaluation
• EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)

Research Methods
6 credits required (2 credits can be satisfied by MA research course.)
• EPSY 8411 - Advanced Counseling Research (4.0 cr)

EPSY Electives
9 credits of EPSY electives can be satisfied by CSPP course requirements.

CSPP Course Requirements
Students must take EPSY 8509 three times for a total of 5 credits, EPSY 8512 for a total of 12 credits, EPSY 8522 two times for a total of 6 credits and EPSY 8994 for 2 credits. EPSY courses will satisfy 9 credits Ed Psych elective core requirement.
• EPSY 8412 - Seminar: Advanced Counseling Theory and Ethics (4.0 cr)
• EPSY 8413 - Personality Assessment of Adolescents and Adults (3.0 cr)
• EPSY 8452 - Psychological Aspects of Counseling Supervision (3.0 cr)
• EPSY 8509 - Supervision Practicum: CSPP (1.0 - 2.0 cr)
• EPSY 8512 - Internship: CSPP (1.0 - 12.0 cr)
• EPSY 8522 - Counseling Practicum: Advanced (3.0 cr)
• EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)

Psychological Foundations
The psychological foundations of education track prepares students for research and teaching positions in colleges and universities. Students have also gone on to positions in professional settings such as schools, private industry, human service organizations, health science units, and government agencies. The goal of the psychological foundations track is to apply and generate knowledge of psychological processes and methodological procedures involved in learning and teaching.

The track offers emphases in learning and cognition/educational technology or social psychological and social developmental (including human relations) processes in educational psychology. Students typically choose one of these areas in addition to achieving broad competence in all aspects of the curriculum.

Students take 72 credits distributed as follows: 24 credits EPSY core requirements, 9 credits EPSY electives, 18 credits in the area of emphasis in PsyF (12 PsyF credits can be used to satisfy EPSY core and elective requirements), 9 credits of coursework outside of Ed Psych, and 24 thesis credits.
Ed Psych Core Course Requirements
Psychological Foundations students must take 9 credits (3 in history/systems, 3 in learning/cognition, 3 in social/personality); 6 credits in research methods; 6 credits in statistics and 3 credits in measurement/evaluation. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

History/Systems
PsyF students must take EPSY 8905.
EPSY 8905 - History and Systems of Psychology: Landmark Issues in Educational Psychology (3.0 cr)

Learning/Cognition
Students in the learning area of PsyF can satisfy this requirement with required learning courses.
Take 3 or more credit(s) from the following:
• EPSY 5101 - Intelligence and Creativity (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5191 - Education of the Gifted and Talented (3.0 cr)
• EPSY 5200 - Special Topics: Psychological Foundations (1.0 - 4.0 cr)

Social/Personality
Students in the social area of PsyF can satisfy this requirement with required social/personality courses.
Take 3 or more credit(s) from the following:
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5157 - Social Psychology of Education (3.0 cr)
• EPSY 5135 - Human Relations Workshop (4.0 cr)
• PSY 5135 - Psychology of Individual Differences (3.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)

Research Methods
EPSY 5216 - Introduction to Research in Educational Psychology and Human Development (3.0 cr)
EPSY 8216 - Seminar: Research Processes in Psychological Foundations of Education (3.0 cr)

Statistics
6 credits required
EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
or
EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)

Measurement/Evaluation
Take 3 or more credit(s) from the following:
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
• EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
• PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)

EPSY Electives
9 credits of EPSY electives can be satisfied by additional courses in the area of emphasis.

External Courses
Psych Foundations students must take a minimum of 9 credits of coursework outside of Educational Psychology in consultation with adviser.

Courses in Area of Emphasis
Students must take additional courses in their area of emphasis in consultation with adviser. EPSY courses will satisfy 3 credits Ed Psych learning or social core requirement and 9 credits EPSY electives.

Learning/Cognition Emphasis
Required Learning and Cognition Courses
Take 6 or more credit(s) from the following:
• EPSY 5101 - Intelligence and Creativity (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5191 - Education of the Gifted and Talented (3.0 cr)
• EPSY 5200 - Special Topics: Psychological Foundations (1.0 - 4.0 cr)
Specialization Courses in Learning and Cognition

Take 12 or more credit(s) from the following:

- EPSY 8112 - Mathematical Cognition (3.0 cr)
- EPSY 8113 - The Psychology of Scientific Reasoning (3.0 cr)
- EPSY 8114 - Seminar: Cognition and Learning (3.0 cr)
- EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 8116 - Reading for Meaning: Cognitive Processes in the Comprehension of Texts (3.0 cr)
- EPSY 8117 - Writing Empirical Paper and Research/Grant Proposals in Education and Psychology (3.0 cr)
- EPSY 8290 - Special Topics: Seminar in Psychological Foundations (1.0 - 6.0 cr)

-OR-

Social Emphasis

Required Social Psychology or Social Development Courses

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

- EPSY 5151 - Cooperative Learning (3.0 cr)
- EPSY 5157 - Social Psychology of Education (3.0 cr)
- PSY 5135 - Psychology of Individual Differences (3.0 cr)
- PSY 5202 - Attitudes and Social Behavior (3.0 cr)
- PSY 5205 - Applied Social Psychology (3.0 cr)
- PSY 5207 - Personality and Social Behavior (3.0 cr)

Specialization Courses in Social Psychology or Social Development

Take 12 or more credit(s) from the following:

- EPSY 8117 - Writing Empirical Paper and Research/Grant Proposals in Education and Psychology (3.0 cr)
- EPSY 8290 - Special Topics: Seminar in Psychological Foundations (1.0 - 6.0 cr)
- PSY 8201 - Social Cognition (3.0 cr)
- PSY 8202 - Close Relationships (3.0 cr)
- PSY 8208 - Social Psychology: The Self (3.0 cr)
- CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)

Quantitative Methods in Education

The quantitative methods in education (QME) track prepares students for a wide variety of careers, including positions in college and university teaching and research, research and evaluation centers, test publishing firms, public school systems, state departments of assessment, and private industry. The goal of the QME track is to provide students with broad but rigorous methodological skills so that they may conduct research on methodologies, may help to train others in methodology, or will have the skills necessary to conduct research in related fields.

The QME track offers emphases in measurement, evaluation, statistics, and statistics education. Students typically choose one of these areas in addition to achieving competence in all aspects of the curriculum.

Students take 72 credits distributed as follows: 27 credits EPSY core requirements, 9 credits EPSY electives, 18 credits QME core requirements, 12 additional courses in the area of emphasis in QME (18 QME credits can be used to satisfy EPSY core and elective requirements), and 24 thesis credits.

Ed Psych Core Course Requirements

Students must take 9 credits in at least two of these areas: learning/cognition, social/personality or history/systems; and 9 credits in research methods. (QME core and additional courses will satisfy EPSY core requirements for 6 credits in statistics, 3 credits in measurement/evaluation and 9 credits EPSY electives.) Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

Learning/Cognition, Social/Personality, History/Systems

Take 9 or more credit(s) including 2 or more sub-requirements(s) from the following:

-learning/cognition

- Take 0 or more course(s) from the following:
- EPSY 5101 - Intelligence and Creativity (3.0 cr)
- EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
- EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
- EPSY 5119 - Mind, Brain, and Education (3.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 8112 - Mathematical Cognition (3.0 cr)
- EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
- CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
•PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
•PSY 5015 - Cognition, Computation, and Brain (3.0 cr)

**Social/personality**
Take 0 or more course(s) from the following:
•EPSY 5135 - Human Relations Workshop (4.0 cr)
•EPSY 5151 - Cooperative Learning (3.0 cr)
•EPSY 5157 - Social Psychology of Education (3.0 cr)
•EPSY 8132 - Personality Development and Socialization (3.0 cr)
•CPSY 8606 - Developmental Psychology: Social and Emotional Processes (4.0 cr)

**History/systems**
Take 0 or more course(s) from the following:
•EPSY 8905 - History and Systems of Psychology: Landmark Issues in Educational Psychology (3.0 cr)

**Research Methods**
QME students must take these 3 research methods courses.
EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)

**Statistics**
6 credits of statistics will be satisfied by QME core course requirements.

**Measurement/Evaluation**
3 credits of measurement or evaluation will be satisfied by QME core course requirements.

**EPSY Electives**
9 credits of EPSY electives can be satisfied by additional courses in the area of emphasis.

**QME Core Course Requirements**
Students must take these courses, including an 8xxx level measurement course selected in consultation with adviser (minimum 18 credits total).
EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
EPSY 8xxx measurement course (minimum 3 credits)

**Courses in Area of Emphasis**
Students must take minimum 12 credits in their area of emphasis (in consultation with adviser). EPSY courses will satisfy 9 credits Ed Psych elective core requirement.

**Evaluation Emphasis**
Take 12 or more credit(s) from the following:
•EPSY 5246 - Evaluation Colloquium: Psychological Foundations (1.0 cr)
•EPSY 8221 - Psychological Scaling (3.0 cr)
•EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
•EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
•EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
•EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
•EPSY 8265 - Factor Analysis (3.0 cr)
•EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
•EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)
•EPSY 8272 - Nonparametric Statistics in Education (3.0 cr)
•EPSY 8281 - Advanced Statistical Computing and Data Analysis (3.0 cr)
•EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)
•OLPD 5056 - Case Studies for Policy Research (3.0 cr)
•OLPD 5061 - Ethnographic Research Methods (3.0 cr)
•OLPD 5521 - Cost and Economic Analysis in Educational Evaluation (3.0 cr)
-OLPD 5528 - Focus Group Interviewing Research Methods (3.0 cr)
-OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)

-OR-

**Measurement Emphasis**
Take 12 or more credit(s) from the following:
- EPSY 5246 - Evaluation Colloquium: Psychological Foundations (1.0 cr)
- EPSY 5271 - Becoming a Teacher of Statistics (3.0 cr)
- EPSY 8221 - Psychological Scaling (3.0 cr)
- EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
- EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
- EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
- EPSY 8265 - Factor Analysis (3.0 cr)
- EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
- EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
- EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)
- EPSY 8272 - Nonparametric Statistics in Education (3.0 cr)
- EPSY 8281 - Advanced Statistical Computing and Data Analysis (3.0 cr)
- EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)

-OR-

**Statistics Emphasis**
Take 12 or more credit(s) from the following:
- EPSY 5246 - Evaluation Colloquium: Psychological Foundations (1.0 cr)
- EPSY 5271 - Becoming a Teacher of Statistics (3.0 cr)
- EPSY 8221 - Psychological Scaling (3.0 cr)
- EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
- EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
- EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
- EPSY 8265 - Factor Analysis (3.0 cr)
- EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
- EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
- EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)
- EPSY 8271 - Statistics Education Research Seminar: Studies on Teaching and Learning Statistics (3.0 cr)
- EPSY 8272 - Nonparametric Statistics in Education (3.0 cr)
- EPSY 8281 - Advanced Statistical Computing and Data Analysis (3.0 cr)
- EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)

-OR-

**Statistics Education Emphasis**
EPSY 5271 - Becoming a Teacher of Statistics (3.0 cr)
EPSY 8271 - Statistics Education Research Seminar: Studies on Teaching and Learning Statistics (3.0 cr)
MathEd (MTHE) course (minimum 3 credits)-consult with adviser
Additional course (minimum 3 credits)-consult with adviser

School Psychology
School psychology is fully accredited by the American Psychological Association, the Minnesota Board of Teaching, and the National Association of School Psychologists. Through coursework and practica/internships, students develop competencies in assessment, consultation, intervention and program development, research, and evaluation. Graduates are employed as psychologists in local schools, university clinics and hospitals, community mental health centers, and as trainers/researchers in universities. Since 1988, training has focused on the delivery of psychological services in schools and school communities to promote children's and adolescent's academic, social, and behavioral success.

The school psychology track integrates didactic and experiential components of training and applied research. Students develop specific competencies through a broad range of applied experiences, including field placements, practica assignments, and a full-year internship.

Students take 102 credits distributed as follows: 24 credits EPSY core requirements, 9 credits EPSY electives, 54 credits School Psychology required courses(9 credits can be used to satisfy EPSY elective requirement), and 24 thesis credits.

**Ed Psych Core Course Requirements**
Students must take 3 credits in history/systems, 3 credits in learning/cognition, 3 credits in social/personality, 6 credits in research methods, 6 credits in statistics, 3 credits in measurement/evaluation and 9 credits EPSY electives. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.
History/Systems
  EPSY 8905 - History and Systems of Psychology: Landmark Issues in Educational Psychology (3.0 cr)
Learning/Cognition
  EPSY 8114 - Seminar: Cognition and Learning (3.0 cr)
Social/Personality
  EPSY 8800 Special Topic: Emotion and Psychopathology (3 cr.)
Statistics
  EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
  EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
Measurement/Evaluation
  EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
Research Methods
  Students must take EPSY 8822 for a total of 3 credits.
    EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)
    EPSY 8822 - Research in School Psychology (1.0 - 3.0 cr)
EPSY Electives
  9 credits of EPSY electives can be satisfied by school psychology course requirements.
School Psychology Course Requirements
  Students must take EPSY 8813 twice for a total of 4 credits, EPSY 8818 twice for a total of 2 credits, EPSY 8831 for 3 credits, EPSY 8832 for 3 credits and EPSY 8842 for 6 credits. EPSY courses will satisfy 9 credits Ed Psych elective core requirement.
  EPSY 5802 - Foundations of Developmental Psychology Across the Lifespan (3.0 cr)
  EPSY 5851 - Engaging Diverse Students and Families (3.0 cr)
  EPSY 5853 - Biological Bases of Behavior (3.0 cr)
  EPSY 8811 - Assessment in School Psychology I: Foundations of Academic Assessment (3.0 cr)
  EPSY 8812 - Assessment in School Psychology II: Intellectual and Social-Emotional Domains (3.0 cr)
  EPSY 8813 - Assessment Practicum in School Psychology (2.0 cr)
  EPSY 8815 - Individual and System Socio-Emotional Interventions (3.0 cr)
  EPSY 8816 - Individual and Systems Academic Interventions (3.0 cr)
  EPSY 8817 - School Psychological Consultation (3.0 cr)
  EPSY 8818 - Intervention Practicum in School Psychology (1.0 cr)
  EPSY 8821 - Issues in School Psychology (3.0 cr)
  EPSY 8823 - Ethics and Professional Standards in School Psychology (3.0 cr)
  EPSY 8831 - Practicum: School Psychological Services (1.0 - 3.0 cr)
  EPSY 8832 - Clinical/Community Practice in School Psychology (1.0 - 3.0 cr)
  EPSY 8842 - Internship: School Psychological Services (1.0 - 10.0 cr)
  EPSY 8849 - Assessment in Early Childhood (3.0 cr)
  EPSY 8290 Special Topic: Key Issues in Social Psychology and Education (3 credits)
Special Education
The special education track offers specializations in deaf/hard-of-hearing, emotional behavior disorders, early childhood special education, learning disabilities, autism, and developmental disabilities. Early involvement in research projects and the development of original research programs in such areas as instructional strategies, social and cognitive development, behavioral and psychological management, child development, and technology are encouraged. Special projects and training programs supplement academic studies.

The special education track focuses on the attainment of core competencies and related skills, since special education professionals share many common concerns and goals. A complementary emphasis is placed on problems unique to or extremely influential in the field, including social and cultural perceptions about disabilities; and federal, state, and local legislation regarding prevention and the care, treatment, education, training, and support of persons with disabilities.

Students take 69 credits distributed as follows: 24 credits EPSY core requirements, 9 credits EPSY electives, 21 credits Special Ed course requirements (9 credits can be used to satisfy EPSY elective requirement), and 24 thesis credits.

Ed Psych Core Course Requirements
Students must take 9 credits in at least two of these areas: learning/cognition, social/personality or history/systems; 6 credits in research methods; 6 credits in statistics; 3 credits in measurement/evaluation and 9 credits EPSY electives. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.
Learning/Cognition, Social/Personality, History/System
Take 9 or more credit(s) including 2 or more sub-requirements(s) from the following:
  learning/cognition
    Take 0 or more course(s) from the following:
      EPSY 5101 - Intelligence and Creativity (3.0 cr)
      EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
      EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
• EPSY 5119 - Mind, Brain, and Education (3.0 cr)
• EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
• EPSY 8112 - Mathematical Cognition (3.0 cr)
• EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
• CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)
• PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
• PSY 5015 - Cognition, Computation, and Brain (3.0 cr)

• social/personality

Take 0 or more course(s) from the following:
• EPSY 5135 - Human Relations Workshop (4.0 cr)
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5157 - Social Psychology of Education (3.0 cr)
• EPSY 5132 - Personality Development and Socialization (3.0 cr)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
• CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)
• PSY 5101 - Personality Psychology (3.0 cr)
• PSY 5135 - Psychology of Individual Differences (3.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• PSY 8202 - Close Relationships (3.0 cr)
• PSY 8208 - Social Psychology: The Self (3.0 cr)
• SOC 8721 - Theories of Social Psychology (3.0 cr)

• history/systems

Take 0 or more course(s) from the following:
• EPSY 8805 - History and Systems of Psychology: Landmark Issues in Educational Psychology (3.0 cr)

Research Methods
• EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)
• EPSY 8706 - Single Case Designs in Intervention Research (3.0 cr)

Statistics
• EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
• EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
-or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
• EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)

Measurement/Evaluation
Take 3 or more credit(s) from the following:
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
• EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
• EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
• EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
• EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
• EPSY 8221 - Psychological Scaling (3.0 cr)
• EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
• EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
• EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
• EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
• EPSY 8265 - Factor Analysis (3.0 cr)
• PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
• PSY 5865 - Advanced Psychological and Educational Measurement (4.0 cr)

EPSY Electives
9 credits of EPSY electives can be satisfied by special ed course requirements.

Special Ed Course Requirements
Students take 21 Special Ed credits in consultation with adviser. EPSY courses will satisfy 9 credits Ed Psych elective core requirement.
• EPSY 8600 Special Topics: Special Education Issues - Grant Writing Seminar (3 credits)
• EPSY 8694 - Research in Special Education (3.0 cr)
• EPSY 8701 - Doctoral Core Seminar: Special Education I (3.0 cr)
• EPSY 8702 - Doctoral Core Seminar: Special Education II (3.0 cr)
• EPSY 8xxx - Special Ed elective in consultation with adviser, 3 cr. (EPSY 8707 recommended, but not required)
• EPSY 8xxx - Special Ed elective in consultation with adviser, 3 cr. (EPSY 8708 recommended, but not required)
EPSY 8xxx - Special Ed elective in consultation with adviser, 3 cr.
Twin Cities Campus
Educational Psychology Specialist Certificate in Education and School Psychological Services

Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, University of Minnesota, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-4156; fax 612-624-8241).
Email: schpsy@umn.edu
Website: http://www.cehd.umn.edu/edpsych/Programs/SchoolPsych/default.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 60
- This program does not require summer semesters for timely completion.
- Degree: Certificate of Specialist in Educ/Sch Psych Svcs

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

School psychology is fully accredited by the American Psychological Association, the Minnesota Board of Teaching, and the National Association of School Psychologists. Through coursework and practica/internships, students develop competencies in assessment, consultation, intervention and program development, research, and evaluation. Graduates are employed as psychologists in local schools, university clinics and hospitals, community mental health centers, and as trainers/researchers in universities. Since 1988, training has focused on the delivery of psychological services in schools and school communities to promote children’s and adolescent’s academic, social, and behavioral success.

The specialist certificate integrates didactic and experiential components of training and applied research. Students develop specific competencies through a broad range of applied experiences, including field placements, practica assignments, and a full-year internship.

The specialist certificate is designed for students who want to become practitioners. It meets the Minnesota certification requirements for school psychologists.

Accreditation
This program is accredited by National Association of School Psychologists (NASP).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applicants must apply online submitting a department application, three letters of recommendation, and a statement of goals and interests. Applicants must also submit a critical issue essay, answering the following questions: Identify a critical problem facing contemporary schools in America or another country. What do you think are the social, political, and/or economic factors that are contributing to this problem? What specific solutions might you propose to tackle the problem?

Applications should be accompanied by official transcripts from all colleges and universities attended. The GRE General Test is required; an interview is also required for those who make the initial cut.

Applications are accepted for fall admission only (deadline November 15).

Applicants must submit their test score(s) from the following:
International applicants must submit score(s) from one of the following tests:

**TOEFL**
- Internet Based - Total Score: 79
- Internet Based - Writing Score: 21
- Internet Based - Reading Score: 19
- Paper Based - Total Score: 550

**IELTS**
- Total Score: 6.5

**MELAB**
- Final score: 80

Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Students take 60 credits distributed as follows: 15 credits EPSY core courses, 6 credits EPSY electives, 2 credits Research Problems and 43 credits school psychology course requirements (6 credits can satisfy EPSY elective requirement). There is a written final exam.

**Ed Psych Core Course Requirements**

Students must take 3 credits in statistics, 3 credits in measurement/evaluation, 3 credits learning/cognition, 3 credits social/personality, 3 credits in research methods and 6 credits EPSY electives. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

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

• EPSY 5261 - Introductory Statistical Methods (3.0 cr)
• EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)

**Measurement/Evaluation**
EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)

**Learning/Cognition**
Take 3 or more credit(s) from the following:

• EPSY 8114 - Seminar: Cognition and Learning (3.0 cr)
• EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)

**Social/Personality**
Special Topic: Emotion and Psychopathology (3 cr.)
EPSY 8800 - Special Topics in School Psychology (1.0 - 4.0 cr)

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

• EPSY 5216 - Introduction to Research in Educational Psychology and Human Development (3.0 cr)
• EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)

**EPSY Electives**
6 credits of EPSY electives can be satisfied by school psychology course requirements.

**School Psychology Course Requirements**

Students must take 38 credits required courses, 2 credits research problems and 5 credits electives.

**Required Courses**
Students must take EPSY 8813 twice for 4 credits total, EPSY 8818 twice for 2 credit total, EPSY 8822 twice for 1 credit each, and EPSY 8842 for 6 credits. EPSY courses will satisfy 6 credits Ed Psych elective core requirement.

EPSY 5851 - Engaging Diverse Students and Families (3.0 cr)
EPSY 8811 - Assessment in School Psychology I: Foundations of Academic Assessment (3.0 cr)
EPSY 8812 - Assessment in School Psychology II: Intellectual and Social-Emotional Domains (3.0 cr)
EPSY 8813 - Assessment Practicum in School Psychology (2.0 cr)
EPSY 8815 - Individual and System Socio-Emotional Interventions (3.0 cr)
EPSY 8816 - Individual and Systems Academic Interventions (3.0 cr)
EPSY 8817 - School Psychological Consultation (3.0 cr)
EPSY 8818 - Intervention Practicum in School Psychology (1.0 cr)
EPSY 8821 - Issues in School Psychology (3.0 cr)
EPSY 8822 - Research in School Psychology (1.0 - 3.0 cr)
EPSY 8823 - Ethics and Professional Standards in School Psychology (3.0 cr)
EPSY 8842 - Internship: School Psychological Services (1.0 - 10.0 cr)

Research Problems

2 credits are required

EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)
Students must take 5 credits electives from the following list (1-2 credit registration for EPSY 8831 and EPSY 8832. Other courses may be taken with permission of adviser.
Take 5 or more credit(s) from the following:

• EPSY 5802 - Foundations of Developmental Psychology Across the Lifespan (3.0 cr)
• EPSY 8831 - Practicum: School Psychological Services (1.0 - 3.0 cr)
• EPSY 8832 - Clinical/Community Practice in School Psychology (1.0 - 3.0 cr)
• EPSY 8849 - Assessment in Early Childhood (3.0 cr)
Twin Cities Campus
Educational Psychology Specialist Certificate in Education and Special Education
Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, University of Minnesota, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax 612-624-8241).
Email: epsy-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 60
- This program does not require summer semesters for timely completion.
- Degree: Certificate of Specialist in Educ/Spec Educ

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Special education offers specializations in deaf/hard-of-hearing, emotional behavior disorders, early childhood special education, learning disabilities, autism, and developmental disabilities. Early involvement in research projects and the development of original research programs in such areas as instructional strategies, social and cognitive development, behavioral and psychological management, child development, and technology are encouraged. Special projects and training programs supplement academic studies.

The program focuses on the attainment of core competencies and related skills, since special education professionals share many common concerns and goals. A complementary emphasis is placed on problems unique to or extremely influential in the field, including social and cultural perceptions about disabilities, and federal, state, and local legislation regarding prevention and the care, treatment, education, training, and support of persons with disabilities.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applicants must apply online submitting a department application, three letters of recommendation, and a statement of goals and interests. Applications are accepted for fall admission only (deadline December 1).

Applications should be accompanied by official transcripts from all colleges and universities attended. The GRE General Test is required.

Applicants must submit their test score(s) from the following:
• GRE

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80
Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Students take 60 credits distributed as follows: 15 credits EPSY core courses, 6 credits EPSY electives and 45 credits of coursework in special education (6 credits can satisfy EPSY elective requirement).

**Ed Psych Core Course Requirements**

Students must take 3 credits in statistics, 3 credits in measurement/evaluation, 3 credits learning/cognition, 3 credits social/personality, 3 credits in research methods and 6 credits EPSY electives. Courses taken to satisfy EPSY core requirements must be taken on an A-F grade basis.

**Statistics**

Take 3 or more credit(s) from the following:
- EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
- EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)

**Measurement/Evaluation**

Take 3 or more credit(s) from the following:
- EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
- EPSY 8221 - Psychological Scaling (3.0 cr)
- EPSY 8222 - Advanced Measurement: Theory and Application (4.0 cr)
- EPSY 8225 - Operational Measurement: Test Score Quality Assurance, Standard Setting, and Equating (3.0 cr)
- EPSY 8226 - Item Response Models: Theory and Applications (3.0 cr)
- EPSY 8265 - Factor Analysis (3.0 cr)
- PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
- PSY 5865 - Advanced Psychological and Educational Measurement (4.0 cr)

or evaluation

Take 3 or more credit(s) from the following:
- EPSY 5243 - Principles and Methods of Evaluation (3.0 cr)
- EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
- EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
- EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)

**Learning/Cognition**

Take 3 or more credit(s) from the following:
- EPSY 5101 - Intelligence and Creativity (3.0 cr)
- EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
- EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5115 - Psychology of Adult Learning and Instruction (3.0 cr)
- EPSY 5119 - Mind, Brain, and Education (3.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 8112 - Mathematical Cognition (3.0 cr)
- EPSY 8115 - Psychology of Instruction and Technology (3.0 cr)
- EPSY 8707 - Principles of Behavior Analysis and Learning (3.0 cr)
- PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
- PSY 5015 - Cognition, Computation, and Brain (3.0 cr)
- CPSY 8301 - Developmental Psychology: Cognitive Processes (4.0 cr)

**Social/Personality**

Take 3 or more credit(s) from the following:
- EPSY 5135 - Human Relations Workshop (4.0 cr)
- EPSY 5151 - Cooperative Learning (3.0 cr)
- EPSY 5157 - Social Psychology of Education (3.0 cr)
- EPSY 8132 - Personality Development and Socialization (3.0 cr)
- PSY 5101 - Personality Psychology (3.0 cr)
• PSY 5135 - Psychology of Individual Differences (3.0 cr)
• PSY 5202 - Attitudes and Social Behavior (3.0 cr)
• PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
• PSY 5205 - Applied Social Psychology (3.0 cr)
• PSY 5207 - Personality and Social Behavior (3.0 cr)
• PSY 8201 - Social Cognition (3.0 cr)
• PSY 8202 - Close Relationships (3.0 cr)
• PSY 8208 - Social Psychology: The Self (3.0 cr)
• CPSY 8302 - Developmental Psychology: Social and Emotional Processes (4.0 cr)
• CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)
• SOC 8721 - Theories of Social Psychology (3.0 cr)

Research Methods
• EPSY 8215 - Advanced Research Methodologies in Education (3.0 cr)

EPSY Electives
• 6 credits of EPSY electives can be satisfied by special education course requirements.

Special Education Course Requirements
EPSY courses will satisfy 6 credits Ed Psych elective core requirement.
• EPSY 8694 - Research in Special Education (3.0 cr)
• EPSY 8701 - Doctoral Core Seminar: Special Education I (3.0 cr)
• EPSY 8702 - Doctoral Core Seminar: Special Education II (3.0 cr)
• EPSY 8706 - Single Case Designs in Intervention Research (3.0 cr)
• EPSY 8600 Special Topics: Grant Writing (3 cr.)
• EPSY 8600 Special Topics: Math Res: Sts with Math Diff (3 cr.)
• EPSY 8600 Special Topics: Reading Disabilities Research (3 cr.)

Electives
• Students must take 15 credits electives from the following list. Other courses may be taken with permission of adviser.
  Take 15 or more credit(s) from the following:
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
• EPSY 5851 - Engaging Diverse Students and Families (3.0 cr)
• EPSY 8600 - Special Topics: Special Education Issues (1.0 - 3.0 cr)
• OLPD 5344 - School Law (3.0 cr)

Specialist Project
• Take 9 or more credit(s) from the following:
• EPSY 8993 - Directed Study: Educational Psychology (1.0 - 10.0 cr)
• EPSY 8994 - Research Problems: Educational Psychology (1.0 - 6.0 cr)
Twin Cities Campus
Emerging Leaders in Independent Colleges Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development
University of Minnesota--Twin Cities
Wulling Hall, Rm. 330E
86 Pleasant St. SE
Minneapolis, MN 55455
612-624-1006
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd/default.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- For now the courses will be based on the UM Twin Cities campus.
- Degree: Emerging Leaders in Independent Colleges PBacc Cer

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Created for professionals who are in faculty positions or beginning levels of college administration, this graduate-level certificate offers specific knowledge and skills related to organizational development, leadership, entrepreneurship, and decision-making necessary for leading independent colleges. The Emerging Leaders in Independent Colleges curriculum is designed for individuals who seek to move into leadership positions but do not have formal training related to leadership and management of independent colleges.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A bachelor's degree from an accredited institution.

Other requirements to be completed before admission:
Two years of experience in a professional position in higher education.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.0 is required for students to remain in good standing.

Course List
Take exactly 4 course(s) totaling exactly 12 credit(s) from the following:
- OLPD 5002 - Independent Colleges as Formal Organizations (3.0 cr)
- OLPD 5332 - Personal Leadership and the Independent College (3.0 cr)
- OLPD 5845 - The Entrepreneurial Independent College (3.0 cr)
- OLPD 5902 - Leading Change in Independent Colleges (3.0 cr)
Twin Cities Campus

Family Education M.Ed.

Family Social Science

College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Family Social Science, 290 McNeal Hall, 1985 Buford Ave, St. Paul, MN 55108 (612-624-1294; fax: 612-625-4227)
Email: famed@umn.edu
Website: http://cehd.umn.edu/FSoS/

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of education (M.Ed.) Plan C in family education develops and strengthens professionals' competencies to work with individuals and families to enhance family life. This graduate-level, practitioner-based program is offered by the Department of Family Social Science (FSoS). The program prepares licensed teachers to further develop their knowledge and skills in the family education field or non-licensed professionals to work with adults, youth, or children in a variety of settings. This program prepares parent educators for positions in an early childhood family education (ECFE) program in Minnesota, as well as for positions in health care, social service agencies, and religious settings in Minnesota and in other states and countries. Diversity and cultural responsiveness is integrated throughout coursework, student teaching, and observation experiences. Students may fulfill requirements for a parent educator license, parent education certificate, or community and learning certificate as part of this degree. With guidance from faculty advisers, students choose at least 30 semester credits of work that may include courses, independent study, internships, and workshops.

Program Delivery
This program is available:
- primarily online (at least 80% of the instruction for the program is online with short, intensive periods of face-to-face coursework)

Prerequisites for Admission
A bachelor's degree from an accredited institution in family studies, child psychology, early childhood education, nutrition, or related fields. A 2.80 overall GPA in undergraduate work.

Special Application Requirements:
Application deadlines are March 1 and October 1. Apply Online at https://app.applyyourself.com/?id=umtc-cehd.

For program specific application details see http://www.cehd.umn.edu/fsos/prospective/famed.asp

International Students: Please note, this program is not offered full-time and therefore is not intended for international students needing a visa to study in the US.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language
Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 30 major credits and up to null credits outside the major. There is no final exam.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Family Education M.Ed. requires 30 credits in consultation with the adviser.

Students complete: 15 credits in family education, including FSoS 5902 Family Education Perspectives (3 cr); 5-6 credits in coursework with a focus on educational processes that are not limited to a specific subject matter (family ed courses do not count for this (e.g. FSoS 5949)); 9-10 credits in coursework with a supporting focus on family, children, and/or youth issues; a degree completion interview/examination.

Required Coursework
- FSoS 5902 - Family Education Perspectives (3.0 cr)

Major Coursework
- Additional courses offered that fulfill the major area of family education are within the department and include:
  - FSoS 5900 - Special Topics in Family, Youth, and Community (1.0 - 4.0 cr)
  - FSoS 5906 - Program Planning in Family Education (3.0 cr)
  - FSoS 5932 - Introduction to Parent Education (1.0 cr)
  - FSoS 5937 - Parent-Child Interaction (3.0 cr)
  - FSoS 5942 - Everyday Experiences of Families (2.0 cr)
  - FSoS 5943 - Parent Learning and Development: Implications for Parent Education (2.0 cr)
  - FSoS 5944 - Parent Education Curriculum (2.0 cr)
  - FSoS 5945 - Teaching and Learning in Parent Education (2.0 cr)
  - FSoS 5946 - Assessment and Evaluation in Parent Education (2.0 cr)
  - FSoS 5949 - Student Teaching in Parent Education (2.0 cr)

Program Sub-plans
A sub-plan is not required for this program.

Students may not complete the program with more than one sub-plan.

Parent Education Specialty Teaching License
This sub-plan is limited to students completing the program under Plan C.

A teacher of parent and family education is authorized to instruct parents in an early childhood family education (ECFE) program. A parent educator plans, coordinates, and teaches in an instructional program that addresses the intellectual, emotional, cultural, social, and physical needs of both parents and children. Parent education seeks to support respectful, reciprocal interactions between parents and their children.

In Minnesota, a parent educator license is required for employment in an ECFE program. The purpose of the license is to ensure, through scholarly preparation, that parent educators are well-prepared professionals who are qualified to deliver educational programs for parents.

This program also prepares parent educators for parent education positions that do not require a Minnesota parent and family education license. For example, parent educators may find positions in health care and social service agencies and institutions and religious settings in Minnesota and in other states and countries.

Students may include licensure credits toward the M.Ed. degree.
For more information on Licensure please see the FSoS web site: http://www.cehd.umn.edu/fsos/programs/ParentEd/pfe-license.asp

**Parent Ed Teaching License Core Coursework**

- FSOS 5902 - Family Education Perspectives (3.0 cr)
- FSOS 5932 - Introduction to Parent Education (1.0 cr)
- FSOS 5937 - Parent-Child Interaction (3.0 cr)
- FSOS 5942 - Everyday Experiences of Families (2.0 cr)
- FSOS 5943 - Parent Learning and Development: Implications for Parent Education (2.0 cr)
- FSOS 5944 - Parent Education Curriculum (2.0 cr)
- FSOS 5945 - Teaching and Learning in Parent Education (2.0 cr)
- FSOS 5946 - Assessment and Evaluation in Parent Education (2.0 cr)
- FSOS 5949 - Student Teaching in Parent Education (2.0 cr)

**Additional Courses**

Students seeking the M.Ed. and the Parent Ed teaching license are encouraged to take EDHD 5007 Technology for Teaching and Learning in the educational processes area, in addition to other course requirements.
Twin Cities Campus
Family Social Science M.A.
Family Social Science
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Family Social Science, 290 McNeal Hall, 1985 Buford Avenue, Saint Paul, MN 55108 (612-625-3116; fax: 612-625-4227)
Email: fsosgrad@umn.edu
Website: http://www.cehd.umn.edu/fsos/default.asp

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The program of study uses methods of social science to examine family systems and their interactions with various environments. The curriculum supports study in several broad theme areas: family economic well-being, families and mental health, family diversity, and relationships and development across the life span.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Three overall criteria guide admissions decisions: 1) evidence of strong academic preparation and the ability and desire to perform graduate level scholarship, including research; 2) fit of the applicant's professional goals with family social science (FSoS) faculty scholarship and with the overall FSoS mission, that is, enhancing the well-being of diverse families in a changing world; and 3) unique contributions applicant would make to FSoS values, including social relevance, collaboration, inclusiveness, excellence, innovation, and diversity.

Special Application Requirements:
For more information about application requirements and procedures, consult the Family Social Science web page at http://www.cehd.umn.edu/fsos/default.asp.

Applicants for the master's program are reviewed only once per year. The application deadline is December 1 for admission fall semester of the following year.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

**Plan A:** Plan A requires 14 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

**Plan B:** Plan B requires 20 major credits and 6 credits outside the major. The final exam is oral. A capstone project is required.

**Capstone Project:** Students must demonstrate familiarity with the tools of research or scholarship in the field of family social science, the ability to work independently, and the ability to present the results of their investigation effectively, by completing at least one Plan B project.

The project should involve a combined total of approximately 120 hours (the equivalent of three full-time weeks) of work. The graduate faculty specifies both the nature and extent of the options available to satisfy this requirement, and whether the requirement is to be satisfied in conjunction with, or independent of, the courses in the student's program.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.50 is required for students to remain in good standing.

The M.A. program is offered under Plan A and Plan B. Plan A requires at least 30 credits, including at least 20 course credits, of which 6 credits are outside the department in a related field, and 10 thesis credits. The Plan A master's is recommended for students who intend to pursue a Ph.D. degree.

Plan B requires at least 30 credits, including at least 26 course credits, of which 6 credits are outside the department in a related field, and at least 4 credits for a Plan B project. The Plan B master's is for students who wish to further their education so that they may hold positions of responsibility serving families. Although the instruction is based on research, the Plan B degree is not intended to provide intensive research training. The Plan B program is understood to be a terminal degree and is not recommended for students who intend to pursue the Ph.D. degree. Consult the department for the most current information.
Twin Cities Campus
Family Social Science Minor
Family Social Science
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Family Social Science, 290 McNeal Hall, 1985 Buford Avenue, Saint Paul, MN 55108 (612-625-3116; fax: 612-625-4227).
Email: fsosgrad@umn.edu
Website: http://www.cehd.umn.edu/fsos/default.asp

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The program of study for the Family Social Science graduate minor uses methods of social science to examine family systems and their interactions with various environments. The curriculum supports study in core family social science coursework including family theories, family research methods, and core family content.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Master's students must complete at least 6 credits of 5xxx or 8xxx coursework in Family Social Science.

Doctoral students must complete at least 12 credits of 5xxx or 8xxx coursework in Family Social Science.

All courses for the minor must be taken A-F and completed with a GPA of at least 3.00.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Doctoral
Required
Take 12 or more credit(s) from the following:
• FSOS 8001 - Conceptual Frameworks in the Family (3.0 cr)
• FSOS 8101 - Family Stress, Coping, and Adaptation (3.0 cr)
• FSOS 8013 - Qualitative Family Research Methods (3.0 cr)
• FSOS 8014 - Quantitative Family Research Methods II (3.0 cr)
• Family Research Methods & Lab
• FSOS 5014 - Quantitative Family Research Methods I (3.0 cr)
FSOS 5015 - Family Research Laboratory (1.0 cr)

- Elective
  
  3 credits to any FSOS 8xxx course.

Master's

Required

- Take 6 or more credit(s) from the following:
  
  - FSOS 8001 - Conceptual Frameworks in the Family (3.0 cr)
  - FSOS 8101 - Family Stress, Coping, and Adaptation (3.0 cr)
  - FSOS 8013 - Qualitative Family Research Methods (3.0 cr)
  - FSOS 8014 - Quantitative Family Research Methods II (3.0 cr)

- Family Research Methods & Lab
  
  - FSOS 5014 - Quantitative Family Research Methods I (3.0 cr)
  - FSOS 5015 - Family Research Laboratory (1.0 cr)
Twin Cities Campus
Family Social Science Ph.D.
Family Social Science
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Family Social Science, 290 McNeal Hall, 1985 Buford Avenue, Saint Paul, MN 55108 (612-625-3116; fax: 612-625-4227)
Email: fsosgrad@umn.edu
Website: http://www.cehd.umn.edu/fsos/default.asp

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 72
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The program of study for the Ph.D. in family social science uses methods of social science to examine family systems and their interactions with various environments. The curriculum supports study in several broad theme areas: family economic well-being, families and mental health, family diversity, and relationships and development across the life span.

Accreditation
This program is accredited by Commission on Accreditation for Marriage and Family Therapy Education.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Three overall criteria guide admissions decisions: 1) evidence of strong academic preparation and the ability and desire to perform graduate level scholarship, including research; 2) fit of the applicant's professional goals with family social science (FSoS) faculty scholarship and with the overall FSoS mission, that is, enhancing the well-being of diverse families in a changing world; and 3) unique contributions the applicant would make to FSoS values, including social relevance, collaboration, inclusiveness, excellence, innovation, and diversity.

Special Application Requirements:
Students may apply for admission to the Ph.D. program, family science specialization, after completing either a bachelor's degree or a master's degree. Students who enter the Ph.D. program with a bachelor's degree are expected to fulfill the requirements for an M.A. degree in the process of working toward the Ph.D. Students applying for the specialization in Couple and Family Therapy must have a clinical master's degree or have achieved equivalent clinical experience as determined by the Couple Family Therapy faculty. Students cannot earn a clinical master's degree in the Department of Family Social Science.

For more information about application requirements and procedures, consult the Family Social Science Prospective Students web page at http://www.cehd.umn.edu/fsos/prospective/default.asp.

Applicants for the doctoral program are reviewed only once per year. The application deadline is December 1, for admission to fall semester of the following year.

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
48 to 51 credits are required in the major.
0 credits are required outside the major.
24 thesis credits are required.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.5 is required for students to remain in good standing.

Courses in the Ph.D. degree program must contribute to an organized program of study and research. The program includes at least 72 credits including 48 course credits and 24 dissertation credits. Coursework includes at least 20 credits in core family theory and research methods, 9 credits in statistics, and 19-22 credits in one of the two designated specializations of Family Science or Couple and Family Therapy. An optional teaching internship program is recommended for students who are planning for careers in higher education.

Major Field Credits--Depending on previous preparation and the nature of the research undertaken, the number of credits required for individual students, even within the same major field, may vary considerably.

Required Courses
  FSOS 8200 - Orientation for Family Social Science (1.0 cr)
  FSOS 8001 - Conceptual Frameworks in the Family (3.0 cr)
  FSOS 8002 - Advanced Family Conceptual Frameworks (3.0 cr)
  FSOS 8013 - Qualitative Family Research Methods (3.0 cr)
  FSOS 8015 - Advanced Qualitative Family Research Methods (3.0 cr)
  FSOS 8014 - Quantitative Family Research Methods I (3.0 cr)
  FSOS 8015 - Family Research Laboratory (1.0 cr)
  FSOS 8014 - Quantitative Family Research Methods II (3.0 cr)
  FSOS 8101 - Family Stress, Coping, and Adaptation (3.0 cr)

Statistics Requirement 1
  EPSY 8251 - Methods in Data Analysis for Educational Research I (3.0 cr)
  or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)

Statistics Requirement 2
  EPSY 8252 - Methods in Data Analysis for Educational Research II (3.0 cr)
  or EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)

Additional Specialization Coursework

Family Science Coursework
* Advanced Statistics or Methods (3 credits)
* FSOS electives (6 credits)
* Community/Engagement/Internship Experience (3 credits)
  FSOS 8794 - Directed Research in Family Social Science (1.0 - 6.0 cr)
  -OR-
Couple Family Therapy Coursework
FSOS 8036 - Couple/Marriage and Family Therapy Research (3.0 cr)
FSOS 8034 - Marriage and Family Therapy Supervision (3.0 cr)
FSOS 8295 - Couple/Marriage Family Therapy Practicum (1.0 - 12.0 cr)
FSOS 8296 - Couple/ Marriage Family Therapy Internship (1.0 - 12.0 cr)
FSOS 8794 - Directed Research in Family Social Science (1.0 - 6.0 cr)
Twin Cities Campus

Human Resource Development M.Ed.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 34
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of education (M.Ed.)/professional studies program in human resource development (HRD) focuses on training of human resources and organizational change issues. This graduate-level, practitioner-based program can be tailored to meet the needs of individual students. The HRD program is offered by the Department of Organizational Leadership, Policy, and Development (OLPD) in the College of Education and Human Development (CEHD). Courses at the University of Minnesota campus are offered at a variety of times, including late afternoons and evenings. Students may also enroll in courses offered during the summer and at off-campus sites.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Special Application Requirements:
In addition to Statements #1 & 2, applicants must upload or submit a résumé and personal statement describing their career goals and rationale for interest in the M.Ed. program (limit two pages) along with the application. Two letters of recommendation must also be submitted. Applications are accepted on a rolling basis with semester deadlines of March 1 (Summer), July 1 (Fall) and November 1 (Spring).

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 22 major credits and 12 credits outside the major. There is no final exam.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Course Requirements
Students not holding an undergraduate degree in HRD must complete at least 34 credits, including the following courses listed below.

Note: For OLPD 5696 at least 4 credits are required and no more than 6 credits will count toward the program.
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
OLPD 5605 - Strategic Planning through Human Resources (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 5615 - Training and Development of Human Resources (3.0 cr)
OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)
OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
Twelve (12) elective credits approved by a faculty adviser.

U of M HRD UG Degree Continuing Students
Students holding an undergraduate HRD degree from the University of Minnesota will not be required to retake courses completed during the undergraduate program. Students must still take a total of 34 credits of graduate coursework in the program. Of this, students must complete at least 19 credits in HRD-designated courses as described below.
OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)

Required
OLPD 5605 - Strategic Planning through Human Resources (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 8602 - Advanced Organization Development (3.0 cr)
or OLPD 5615 - Training and Development of Human Resources (3.0 cr)
OLPD 8601 - Advanced Training and Development of Human Resources (3.0 cr)

Electives
Twelve (12) elective credits approved by a faculty adviser.

Additional HRD coursework
Six additional HRD credits approved by faculty adviser

Program Sub-plans
A sub-plan is not required for this program.
Students may not complete the program with more than one sub-plan.

Rochester
Requirements for the Rochester sub-plan are the same as those listed in general description. Students may take courses on Twin Cities or Rochester campuses.
Twin Cities Campus
Human Resource Development Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

**Contact Information:**
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006, fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- **Program Type:** Post-baccalaureate credit certificate/licensure/endorsement
- **Requirements for this program are current for Fall 2014**
- **Length of program in credits:** 14
- **This program does not require summer semesters for timely completion.**
- **Degree:** Human Resource Development PBacc Cert Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate program in human resource development (HRD) focuses on training of human resources and organizational change issues. The HRD program is offered by the Organizational Leadership, Policy, and Development (OLPD) in the College of Education and Human Development (CEHD). Courses at the University of Minnesota campus are offered at a variety of times, including late afternoons and evenings.

**Program Delivery**
This program is available:
- via classroom (the majority of instruction is face-to-face)

**Prerequisites for Admission**

**Special Application Requirements:**
Admission is open to degree-seeking or non-degree seeking students who possess a U.S. bachelor’s degree (or international equivalent). Applications are reviewed on an ongoing basis and may be submitted at any time.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Certificate coursework completed with undergraduate student status cannot be applied to graduate-level degree programs.

**Required Courses**
OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)
OLPD 5615 - Training and Development of Human Resources (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)

**Internship or Field Experience**
4 credits is recommended for either option below
Take exactly 1 course(s) totaling 3 - 6 credit(s) from the following:
- OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)
- OLPD 5296 - Field Experience in Adult Education (1.0 - 6.0 cr)

**Electives**
The remaining credits can be selected from the following:
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)
or Additional OLPD courses with adviser approval to make total credits earned equal at least 14 credits.
Twin Cities Campus
Infant and Early Childhood Mental Health Postbaccalaureate Certificate
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Institute of Child Development, 51 East River Road, Minneapolis, MN 55455 (612-625-2252; fax: 612-624-6373).
Email: lepin008@umn.edu
Website: http://www.cehd.umn.edu/CEED/certificateprograms/iecmh/default.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 21
- This program requires summer semesters for timely completion.
- Degree: Infant & Early Childhood Mental Health PBac Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The University of Minnesota Infant and Early Childhood Mental Health (IECMH) Certificate Program is an intensive, interdisciplinary postbaccalaureate training program for students and professionals in domains of mental health, health and early care and education.

The program serves to deepen the knowledge and skills of individuals working in birth-to-five prevention, intervention, program administration, and policy development, and to prepare individuals to provide leadership in expanding the breadth and depth of relationship-based services and policies.

The IECMH certificate program is founded on a core set of principles of infant and early childhood mental health practice, asserting that services to families should be relationship-based, culturally sensitive, grounded in an understanding of developmental theory and research with special attention to the effects of trauma, and supported by reflective practice.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Admission to this program is currently suspended.

Applicants must hold at least a baccalaureate degree from an accredited college or university in a related area (e.g., child development, social work, child psychology) or document at least two years of work experience in a related field.

The admissions model is cohort-based, with new cohorts usually admitted every other year. Admission to this program is currently suspended, but may be opened for fall 2015 at a future time. Please see our website for more details: http://www.cehd.umn.edu/CEED/certificateprograms/iecmh/admissionprocess.html

Special Application Requirements:
Applicants must have at least two years of documented experience in early childhood research or practice.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80
Key to abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Course requirements

**CPSY 5501** - Foundations in Infant and Early Childhood Mental Health I (3.0 cr)
**CPSY 5503** - Foundations in Infant and Early Childhood Mental Health II (3.0 cr)
**CPSY 5506** - Infant Observation Seminar I (1.0 cr)
**CPSY 5508** - Infant Observation Seminar II (1.0 cr)
**CPSY 5511** - Infant Observation Seminar III (1.0 cr)
**CPSY 5513** - Assessment in Infant and Early Childhood Mental Health: DC 0-3R (2.0 cr)
**CPSY 5515** - Assessment in Infant and Early Childhood Mental Health: NCAST (2.0 cr)
**CPSY 5518** - Prevention and Intervention in Infant and Early Childhood Mental Health I (3.0 cr)
**CPSY 5521** - Prevention and Intervention in Infant and Early Childhood Mental Health II (3.0 cr)
**CPSY 5523** - Reflective Supervision in Infant and Early Childhood Mental Health: Community-based (1.0 cr)
**CPSY 5525** - Reflective Supervision in Infant and Early Childhood Mental Health: Clinical (1.0 cr)
Twin Cities Campus

Integrative Leadership Minor
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street SE, Minneapolis, MN 55455 (612-624-1006)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd/grad-programs/ILM/default.html

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The graduate-level academic minor in integrative leadership (ILM) will enhance the preparation of graduate students to lead and foster collective actions across boundaries of individuals, groups, organizations, sectors, and nations to solve some of the world’s most pressing and complex problems.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Prior admission into an established master’s, doctoral, or graduate professional degree program is required. Students interested in admission to the minor should contact the ILM Director of Graduate Studies. Admission requires the addition of the required minor coursework to the student’s graduate degree program form and the ILM Director of Graduate Studies’s signature on the form. Students must demonstrate relevant academic background and experience.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Any student in any University of Minnesota graduate or professional program, regardless of college or enrollment, is encouraged to apply for this minor. Students must already be admitted to a master’s, doctoral, or professional degree program at the University of Minnesota.

Doctoral students will need to take an additional course from either the Overview of Leadership Theory or Leading Engagement Processes Subgroups to total the 12 credits required of the doctoral minor.

If taking PA 5190, only the special topic in Leading Engagement Processes can count towards the minor without advance approval by the DGS of the minor.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Doctoral
Overview of Leadership Theory
Take 3 - 6 credit(s) from the following:
• OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
• OLPD 8020 - Leadership: From Theory to Reflective Practice (3.0 cr)
• PA 5941 - Leadership for the Common Good (3.0 cr)
• PUBH 6780 - Topics: Public Health Administration and Policy (1.0 - 3.0 cr)
Courses on overview of leadership theory and development from other colleges may be substituted for this core course subject to approval by the Director of Graduate Studies for the Integrative Leadership Minor.

Leading Engagement Processes
Take 3 - 6 credit(s) from the following:
• OLPD 5736 - Public Engagement and Higher Education (3.0 cr)
• OLPD 6490 - Managing Civic Engagement (3.0 cr)
• PA 5190 - Topics in Public and Nonprofit Leadership and Management (1.0 - 3.0 cr)
Courses on overview of leadership theory and development from other colleges may be substituted for this core course subject to approval by the Director of Graduate Studies for the Integrative Leadership Minor.

Required Final Course
All students must take one of the following:
OLPD 6402 - Integrative Leadership Seminar (3.0 cr)
or MGMT 6402 - Integrative Leadership: From Theory to Practice (3.0 cr)
or PA 5105 - Integrative Leadership Seminar (3.0 cr)

Master's

Overview of Leadership Theory
Take 3 or more credit(s) from the following:
• OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
• OLPD 8020 - Leadership: From Theory to Reflective Practice (3.0 cr)
• PA 5941 - Leadership for the Common Good (3.0 cr)
• PUBH 6780 - Topics: Public Health Administration and Policy (1.0 - 3.0 cr)
• Other Courses on overview of leadership theory and development from other colleges may be substituted for this core course subject to approval by the Director of Graduate Studies for the Integrative Leadership Minor.

Leading Engagement Processes
Take 3 or more credit(s) from the following:
• OLPD 5736 - Public Engagement and Higher Education (3.0 cr)
• OLPD 6490 - Managing Civic Engagement (3.0 cr)
• PA 5190 - Topics in Public and Nonprofit Leadership and Management (1.0 - 3.0 cr)
• Other Courses on overview of leadership theory and development from other colleges may be substituted for this core course subject to approval by the Director of Graduate Studies for the Integrative Leadership Minor.

Required Final Course
All students must take one course from the following:
OLPD 6402 - Integrative Leadership Seminar (3.0 cr)
or MGMT 6402 - Integrative Leadership: From Theory to Practice (3.0 cr)
or PA 5105 - Integrative Leadership Seminar (3.0 cr)
Twin Cities Campus

International Education Minor
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The interdisciplinary minor in international education is for students enrolled in any masters or doctoral program who wish to enter careers in research, consulting, administration, and teaching in an international context. The minor offers a coordinated set of courses from the Departments of Curriculum and Instruction; Educational Psychology; Organizational Leadership, Policy, and Development; the School of Kinesiology; and the Institute of Child Development.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Special Application Requirements:
Admission is contingent upon being admitted to a master's or a doctoral degree-granting program at the University of Minnesota. For an application form visit the international education minor website (http://www.cehd.umn.edu/olpd/grad-programs/CIDE/gradminor.html) or consult with the director of graduate studies for more information.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Each program is developed in consultation with the student, the student's adviser, major director of graduate studies, and director of graduate studies for international education. Requirements include courses listed below. Electives from the University may be added with the adviser's consent and director of graduate studies approval.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Doctoral
Core Courses
Take 2 or more course(s) from the following:
• OLPD 5103 - Comparative Education (3.0 cr)
• OLPD 5104 - Strategies for International Development of Education Systems (3.0 cr)
• OLPD 5121 - Educational Reform in International Context (3.0 cr)
• OLDP 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
• OLDP 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
• OLDP 8101 - International Education and Development (3.0 cr)
• OLDP 8103 - Comparative Education (3.0 cr)

Area specific coursework
Students interested in OLPD 5080 should consult minor adviser prior to registration as special topics can vary and may or may not be appropriate for this minor.

Take 6 or more credit(s) from the following:
• AFEE 5361 - World Development Problems (3.0 cr)
• CI 8150 - Research Topics Curr & Instruc (1.0 - 6.0 cr)
• CI 8650 - Seminar: Special Topics in Second Languages and Cultures Research (1.0 - 3.0 cr)
• EPSY 8403 - Social/Cultural Contexts: Counseling and Skills (3.0 cr)
• OLDP 5080 - Special Topics: Organizational Leadership, Policy, & Development (1.0 - 3.0 cr)
• OLDP 5121 - Educational Reform in International Context (3.0 cr)
• OLDP 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
• OLDP 5612 - International Human Resource Development (3.0 cr)
• OLDP 5825 (Inactive) (3.0 cr)
• OLDP 8087 - Seminar: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
• OLDP 8101 - International Education and Development (3.0 cr)
• OLDP 8842 - Comparative Systems in Organizational Leadership, Policy, and Development (3.0 cr)
• PA 5414 - Child Human Rights: Work and Education (3.0 cr)

Master’s

Core Courses
Take 1 or more course(s) from the following:
• OLDP 5103 - Comparative Education (3.0 cr)
• OLDP 5104 - Strategies for International Development of Education Systems (3.0 cr)
• OLDP 5121 - Educational Reform in International Context (3.0 cr)
• OLDP 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
• OLDP 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
• OLDP 8101 - International Education and Development (3.0 cr)
• OLDP 8103 - Comparative Education (3.0 cr)

Area Specific Coursework
Students interested in OLPD 5080 should consult minor adviser prior to registration as special topics can vary and may or may not be appropriate for this minor.

Take 6 or more credit(s) from the following:
• AFEE 5361 - World Development Problems (3.0 cr)
• CI 8150 - Research Topics Curr & Instruc (1.0 - 6.0 cr)
• CI 8650 - Seminar: Special Topics in Second Languages and Cultures Research (1.0 - 3.0 cr)
• EPSY 8403 - Social/Cultural Contexts: Counseling and Skills (3.0 cr)
• OLDP 5080 - Special Topics: Organizational Leadership, Policy, & Development (1.0 - 3.0 cr)
• OLDP 5121 - Educational Reform in International Context (3.0 cr)
• OLDP 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
• OLDP 5612 - International Human Resource Development (3.0 cr)
• OLDP 5825 (Inactive) (3.0 cr)
• OLDP 8087 - Seminar: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
• OLDP 8101 - International Education and Development (3.0 cr)
• OLDP 8842 - Comparative Systems in Organizational Leadership, Policy, and Development (3.0 cr)
• PA 5414 - Child Human Rights: Work and Education (3.0 cr)
Twin Cities Campus
Interpersonal Relationships Research Minor
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Psychology, University of Minnesota, S354 Elliott Hall, 75 East River Parkway, Minneapolis, MN 55455 (612-626-0025)
Email: simps108@umn.edu
Website: http://www.cehd.umn.edu/icd/Programs/IrelMinor/

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Doctorate): 14
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The minor in interpersonal relationships research provides doctoral students with a broad theoretical and methodological foundation for research on behavioral interaction patterns between two persons and the impact of these interactions.

A recently recognized and rapidly advancing interdisciplinary field of scientific inquiry, interpersonal relationships research has its roots in psychology, sociology, family studies, communication, and nursing. The program brings together faculty and students from eight University departments and schools.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Admission to the interpersonal relationships research graduate minor is contingent upon prior admission to a doctoral program in a degree-granting department. Admission to the minor program is limited and only by permission of the director of graduate studies in interpersonal relationships research.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Program Sub-plans
Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Doctoral
Required Coursework
- IREL 8001 - Proseminar in Interpersonal Relationships Research (2.0 cr)
- IREL 8021 - Seminar: Statistical and Methodological Issues in Research on Dyadic Relationships (3.0 cr)
- PSY 5204 - Psychology of Interpersonal Relationships (3.0 cr)
  or PSY 8202 - Close Relationships (3.0 cr)
- 6 additional credits selected in consultation with minor adviser.
Twin Cities Campus
K-12 Technology Integration Postbaccalaureate Certificate
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, University of Minnesota, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455
(612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://www.cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: T E L: K-12 Technology Integration PBacc Cert Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The K-12 Technology Integration certificate program prepares students to use technology (computers and the web) to develop instructional materials for use in a wide range of educational contexts (note that a university certificate program or certificate is distinct from a state certificate or certification).

The program is designed for K-12 teachers or administrators interested in using technology in the classroom.

Program Delivery
This program is available:
• partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A completed bachelor’s degree is required for admission.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn’t earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a one page goal statement. Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
• IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Courses (12 credits)
Required courses are listed; students will also take one additional CI 5xxx course for 3 credits that complements content area, elementary/secondary focus, and individual interests. CI 5330 should be taken for 3 credits.

- CI 5330 - Special Topics in Learning Technologies (1.0 - 3.0 cr)
- CI 5351 - Technology Tools for Educators (3.0 cr)
- CI 5361 - Teaching and Learning with the Internet (3.0 cr)
Twin Cities Campus
Kinesiology M.S.
Kinesiology, School of
College of Education and Human Development
Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700).
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Science

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The School of Kinesiology spans a wide range of inquiry connected by the common thread of the study of human movement. Graduate programs reflect a broad study of physical activity ranging from exercise science, movement science and human performance, to social and behavioral science and sport management. Much of the research conducted in the school is interdisciplinary in nature and involves collaborative partnerships with life science disciplines such as medicine, neuroscience, and epidemiology and fosters links with business, education, and social sciences. M.S. students pursue an individualized program with an emphasis in one of the following areas: biomechanics and neuromotor control; exercise physiology; perceptual-motor control and learning; physical activity and sport science with concentrations in behavioral aspects of physical activity, sport and exercise psychology, or sport sociology.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Although prospective masters students generally have an undergraduate degree in kinesiology or the health sciences, others with a baccalaureate degree who have related preparation and a significant background and interest in the scientific study of physical activity may be admitted.

Special Application Requirements:
Applicants must submit a University of Minnesota Graduate Admissions application which includes a written statement of academic interests, goals, and objectives; scores from the General Test of the GRE (verbal, quantitative, and analytical writing) that are less than five years old; three letters of recommendation from persons familiar with their scholarship and research potential; a scholarly writing sample; and transcripts. Deadline for submission of all application materials is December 15 for the following fall admission. Students generally are admitted for the fall semester only.

Applicants must submit their test score(s) from the following:
- GRE
  - General Test - Verbal Reasoning: 153
  - General Test - Quantitative Reasoning: 153
  - General Test - Analytical Writing: 4.5

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19

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The University of Minnesota is an equal opportunity educator and employer.
Information current as of September 19, 2014
The preferred English language test is Test of English as Foreign Language (IELTS, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan A: Plan A requires 14 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B: Plan B requires 18 major credits and 12 credits outside the major. The final exam is oral. A capstone project is required.

Capstone Project: The Plan B project is an independent research project with the adviser that meets the following guidelines: involves a total of approximately 120 hours of work; demonstrates familiarity with the tools of research and scholarship in the field of kinesiology; demonstrates the ability to work independently; and demonstrates the ability to effectively present the results of the investigation.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

The M.S. is offered under Plan A and Plan B. Plan A requires 30 credits, including at least 14 course credits in kinesiology, 6 course credits in a minor or related field (including a minimum of 3 credits in statistics as determined by emphasis area) and 10 thesis credits (8777). Plan B also requires 30 credits, including at least 14 major course credits in kinesiology, a capstone project of 4 credits in KIN 8995, at least 6 course credits in a minor or related field (including a minimum of 3 credits in statistics as determined by emphasis area), and 6 additional credits in any of these areas. A maximum of 9 credits of 4xxx-level courses are allowed at the discretion of the adviser.

For both Plan A and Plan B, students must take KIN 5981 (3 cr), KIN 8980 (1 cr), and in the related field or minor, at least 3 credits of statistics or equivalent as defined by the emphasis area. A GPA of at least 3.00 is required to maintain good standing and to graduate.

Required courses

The M.S. in Kinesiology has the following requirements. In addition, Plan A students must take 10 credits of KIN 8777; and Plan B students must take 4 credits of KIN 8995.

KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)
KIN 8980 - Graduate Research Seminar in Kinesiology (1.0 cr)

Minor or related field
At least 6 credits in a related field are required, including a minimum of 3 credits in statistics as required by the emphasis area.

Emphasis Areas

Kinesiology M.S. students concentrate their studies in one of the following areas: behavioral aspects of physical activity, biomechanics and neuromotor control, exercise physiology, perceptual-motor control and learning, sport and exercise psychology, or sport sociology.

Behavioral Aspects of Physical Activity

This emphasis examines behavioral interventions for physical activity adoption and maintenance; the epidemiology of physical activity; psychosocial theories related to physical activity promotion; understanding sedentary behavior; and the objective and subjective assessment of physical activity. In addition to the M.S. requirements, students choose courses from the following lists with adviser consultation.

Recommended courses

Plan A and Plan B students take a minimum of 10 major course credits chosen from the following list. Registration for KIN 5720 is limited to 3 credits.

KIN 5122 - Applied Exercise Physiology (3.0 cr)
KIN 5123 - Motivational Interventions in Physical Activity (3.0 cr)
KIN 5126 - Social Psychology of Sport & Physical Activity (3.0 cr)
or KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)
or KIN 5375 - Competitive Sport for Children and Youth (3.0 cr)
or KIN 5511 - Sport and Gender (3.0 cr)
or KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
or KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)
or KIN 5720 - Special Topics in Kinesiology (2.0 - 4.0 cr)
or KIN 8126 - Sports Medicine Psychology (3.0 cr)
or KIN 8136 - Developmental Sport and Exercise Psychology (3.0 cr)

**Minor or Related Field**

Plan A and Plan B students take 3 credits of statistics (EPSY 5261 or EPSY 8261). Plan A students take an additional 3 related-field credits and Plan B students take an additional 9 related-field credits in consultation with the adviser. Recommended courses for related fields are listed below. Possible minors include Public Health (8 credits) or Prevention Science (9 credits).

- EPSY 5261 - Introductory Statistical Methods (3.0 cr)
- EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
- EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- PUBH 6450 - Biostatistics I (4.0 cr)
- PUBH 6451 - Biostatistics II (4.0 cr)
- PUBH 6902 - Maternal, Infant, and Preschool Nutrition (2.0 cr)
- PUBH 6914 - Community Nutrition Intervention (3.0 cr)

-OR-

**Biomechanics and Neuromotor Control**

Only Plan A students are accepted in this emphasis. The study of the mechanical and electromyographic analysis of human motion is combined with neurophysiological knowledge about the various neuronal subsystems to provide a basis for understanding how the brain controls bodily and limb motion. KIN 8995 (3 cr) must be taken with the adviser to develop the thesis.

**Recommended Courses**

A minimum of 10 major course credits (not including KIN 8777) are needed outside of the requirements and may be chosen from the following list.
- KIN 4441 - Movement Neuroscience (3.0 cr)
- RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)
- KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)
- RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)
- KIN 8132 - Seminar: Motor Development (3.0 cr)
- KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)
- KIN 8211 - Seminar: Perception and Action (3.0 cr)
- KIN 8995 - Research Problems in Kinesiology (1.0 - 12.0 cr)

**Minor or related field**

A minimum of 6 semester credits are required in one or more related fields (not KIN prefix). One statistics course and an additional course are required, chosen from the following list. Minor option: Clinical Physiology and Movement Science.

- EPSY 5261 - Statistical Methods I: Probability and Inference (3.0 cr)
- EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- PUBH 6450 - Biostatistics I (4.0 cr)
- STAT 5021 - Statistical Analysis (4.0 cr)
- NSC 5561 - Systems Neuroscience (4.0 cr)

-OR-

**Exercise Physiology**

Exercise physiology is the study of issues related to acute and chronic effects of physical activity on human physiological systems and health, and how fundamental concepts of human energetics and mechanics apply to exercise, sport, physical exertion, and health promotion. In addition to the M.S. requirements, students choose courses from the following lists with adviser consultation.

Plan A and Plan B students take a minimum of 10 major course credits chosen from the following list.
- KIN 5122 - Applied Exercise Physiology (3.0 cr)
- KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)
- KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
- KIN 5435 - Advanced Theory and Techniques of Exercise Science (3.0 cr)
- KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)
- KIN 8122 - Seminar: Exercise Physiology (2.0 cr)

**Minor or related field**

For Plan A and Plan B, a minimum of 6 course credits in statistics are required and may be chosen from the following list. Plan B students will choose an additional minimum of 6 credits in any related field with guidance from the adviser.

- EPSY 5261 - Introductory Statistical Methods (3.0 cr)
- EPSY 8262 - Statistical Methods I: Probability and Inference (3.0 cr)
- EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- PUBH 6450 - Biostatistics I (4.0 cr)
- PUBH 6451 - Biostatistics II (4.0 cr)
-OR-

Perceptual-Motor Control and Learning
Students study the learning of movement skills and the factors that mediate learning as well as the changes in movement behavior over the life span and the processes or factors underlying these changes. In addition to the M.S. requirements, students choose courses from the following lists with adviser consultation. Registration for KIN 5992 is limited to 3 credits.

Recommended courses
Plan A and Plan B students take a minimum of 10 major course credits chosen from the following list.

KIN 4133 - Perceptual-Motor Control and Learning (3.0 cr)
or KIN 4136 - Embodied Cognition (3.0 cr)
or KIN 4441 - Movement Neuroscience (3.0 cr)
or HUMF 5001 - Foundations of Human Factors/Ergonomics (3.0 cr)
or HUMF 5722 - Human Factors Psychology (3.0 cr)
or RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)
or KIN 5992 - Readings in Kinesiology (1.0 - 9.0 cr)

Minor or related field
Plan A and Plan B students take one statistics course from the following list. In addition, Plan A students take a minimum of 3 credits and Plan B students take a minimum of 9 credits in any related field in consultation with the adviser.

EPSY 5261 - Introductory Statistical Methods (3.0 cr)
or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)

-OR-

Sport and Exercise Psychology
Students will examine the thoughts, feelings and actions of participants in physical activity contexts such as sport, exercise, physical education, health and wellness and sports medicine. Multidisciplinary research and outreach are conducted through the Tucker Center for Research on Girls & Women in Sport and other entities. In addition to the M.S. requirements, students choose courses from the following lists with adviser consultation.

Recommended Courses
For Plan A and Plan B, a minimum of 10 major course credits are needed outside the requirements and may be chosen from the following list:

KIN 5123 - Motivational Interventions in Physical Activity (3.0 cr)
or KIN 5126 - Social Psychology of Sport & Physical Activity (3.0 cr)
or KIN 5136 - Psychology of Coaching (3.0 cr)
or KIN 5371 - Sport and Society (3.0 cr)
or KIN 5375 - Competitive Sport for Children and Youth (3.0 cr)
or KIN 5511 - Sport and Gender (3.0 cr)
or KIN 5723 - Psychology of Sport Injury (3.0 cr)
or KIN 8126 - Sports Medicine Psychology (3.0 cr)
or KIN 8136 - Developmental Sport and Exercise Psychology (3.0 cr)

Minor or related field
Plan A and Plan B students take 3 credits of statistics (EPSY 5261 or EPSY 8261). Plan A students take an additional 3 related-field credits and Plan B students take an additional 9 related-field credits in consultation with the adviser. Recommended courses for related fields are listed below. Recommended minors include Prevention Science (9 credits); Educational Psychological Foundations (6 credits).

EPSY 5261 - Introductory Statistical Methods (3.0 cr)
or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
or EPSY 5401 - Counseling Procedures (3.0 cr)
or PSY 5206 - Personality and Social Behavior (3.0 cr)

-OR-

Sport Sociology
Sport sociology is the scientific study of human behavior and social organization in the sport context, focusing on behavior patterns and social processes that occur in the organizational and management systems in which sport exists. The program is housed in the Tucker Center for Research on Girls & Women in Sport, an interdisciplinary research institute. In addition to the M.S. requirements, students choose courses from the following lists with adviser consultation.

Recommended Courses
For Plan A and Plan B, a minimum of 10 major course credits are needed outside the requirements and may be chosen from the following list:

KIN 5136 - Psychology of Coaching (3.0 cr)
or KIN 5371 - Sport and Society (3.0 cr)
or KIN 5511 - Sport and Gender (3.0 cr)
or KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)
or KIN 5801 - Legal Aspects of Sport and Recreation (4.0 cr)

Minor or related field
Plan A and Plan B students take 3 credits of statistics (EPSY 5261 or EPSY 8261). Plan A students take an additional 3 related-field course credits and Plan B students take an additional 9 related-field course credits in consultation with the adviser.

EPSY 5261 - Introductory Statistical Methods (3.0 cr)

or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
Twin Cities Campus

Kinesiology Minor
Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700).
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Master's students can choose a kinesiology minor in the following emphasis areas: behavioral aspects of physical activity, biomechanics and neuromotor control, exercise physiology, perceptual-motor control and learning, sport and exercise psychology, and sport sociology. Doctoral students can pursue a kinesiology minor in these same emphasis areas, with the addition of the sport management emphasis.

Program Delivery

This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A master's minor requires at least 6 credits of graduate-level kinesiology courses. A doctoral minor requires at least 12 credits of graduate-level kinesiology courses. Courses should be chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Master's

Minor Courses
Minor requires at least 6 credits of graduate-level kinesiology courses. Courses should be chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.

Doctoral

Minor Courses
Minor requires at least 12 credits of graduate-level kinesiology courses. Courses should be chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.
Twin Cities Campus

Kinesiology Ph.D.
Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700)
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 60 to 72
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Ph.D. students pursue an individualized program with an emphasis in biomechanics and neuromotor control, exercise physiology, perceptual-motor control and learning, physical activity and sport science, or sport management.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

It is preferred that applicants have completed a master's degree in the field of kinesiology or a related field and achieved an overall minimum GPA of 3.50.

Other requirements to be completed before admission:
Applicants must have completed a baccalaureate degree, generally in the following areas: kinesiology; exercise science; sport management; sport psychology/sociology; movement science; or related preparation and significant background and interest in the scientific study of physical activity.

Special Application Requirements:
Applicants must submit a University of Minnesota application which includes a written statement of academic interests, goals, and objectives; scores from the General Test of the GRE (verbal, quantitative, and analytical writing) that are less than five years old; three recommendations from persons familiar with their scholarship and research potential; a scholarly writing sample; and transcripts.
Submission of all application materials by December 15 ensures priority consideration for admission and for teaching and research assistantships awarded for the next academic year. Students are admitted for the fall semester.

Applicants must submit their test score(s) from the following:
- GRE
  - General Test - Verbal Reasoning: 153
  - General Test - Quantitative Reasoning: 153
  - General Test - Analytical Writing: 4.5

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Listening Score: 14
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Internet Based - Speaking Score: 23
The preferred English language test is Test of English as Foreign Language (TOEFL). Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
24 to 29 credits are required in the major.
12 to 19 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

The Ph.D. requires 36 to 48 course credits and 24 thesis credits. The total course credits include a 12-credit core, at least 12 credits specific to the chosen area of emphasis, at least 6 research credits, and at least 6 supporting program credits. Students who choose to complete a formal minor must complete at least 12 minor-field credits. A GPA of at least 3.00 is required to maintain good standing and to graduate.

Required Kinesiology Courses
A minimum of 3 credits of KIN 8980 and a minimum of 9 credits of KIN 8995 are required over the course of the program. A total of 24 thesis credits are required.

KIN 8980 - Graduate Research Seminar in Kinesiology (1.0 cr)
KIN 8995 - Research Problems in Kinesiology (1.0 - 12.0 cr)
KIN 8888 - Thesis Credit: Doctoral (1.0 - 24.0 cr)

Emphasis Areas
Kinesiology Ph.D. students pursue an individualized program with an emphasis in biomechanics and neuromotor control, exercise physiology, perceptual-motor control and learning, physical activity and sport science, or sport management.

Biomechanics and Neuromotor Control
The study of the mechanical and electromyographic analysis of human motion is combined with neurophysiological knowledge about the various neuronal subsystems to provide a basis for understanding how the brain controls bodily and limb motion.

Emphasis courses
A minimum of 12 course credits must be selected from the following list. At least 6 credits must be KIN 8xxx.

KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)
KIN 5941 - Clinical Movement Neuroscience (3.0 cr)
KIN 8211 - Seminar: Perception and Action (3.0 cr)
KIN 8132 - Seminar: Motor Development (3.0 cr)
KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)
RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)
NSC 5661W - Behavioral Neuroscience [WI] (3.0 cr)

Research skills courses
A minimum of 6-9 research skills course credits are required, selected from the following list or in consultation with the adviser.

EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
PUBH 6450 - Biostatistics I (4.0 cr)
PUBH 6451 - Biostatistics II (4.0 cr)
PUBH 7405 - Biostatistics: Regression (4.0 cr)
PUBH 7406 - Advanced Regression and Design (4.0 cr)
or STAT 5021 - Statistical Analysis (4.0 cr)
or STAT 5302 - Applied Regression Analysis (4.0 cr)
or STAT 5303 - Designing Experiments (4.0 cr)
or STAT 5601 - Nonparametric Methods (3.0 cr)

Minor
Choose either minor or supporting program. A minimum of 12 course credits are required for a University of Minnesota doctoral minor. Recommended minors include: CGSC, CPMS, GERO, HUMF, NSC, or PREV.

Supporting program
Any combination of at least 6 KIN or non-KIN course credits may be used for the supporting program and must be approved by the adviser. Recommended Kinesiology emphasis areas for supporting courses include Exercise Science, Perceptual-Motor Control and Learning, Physical Activity and Sport Science, or Sport Management. Recommended program areas for supporting courses include: BMEN, ME, NURS, OT, OTOL, PubH, NSC and RSC.

-OR-

Exercise Physiology
Exercise physiology is the study of issues related to acute and chronic effects of physical activity on human physiological systems and health, and how fundamental concepts of human energetics and mechanics apply to exercise, sport, physical exertion, and health promotion. Doctoral students learn to apply principles of physiology to solving problems related to functional responses and adaptations involved in human skeletal muscular activity.

Emphasis courses
A minimum of 12 course credits must be selected from the following list. At least 6 credits must be KIN 8xxx. KIN 8122 may be taken multiple times.
KIN 5122 - Applied Exercise Physiology (3.0 cr)
or KIN 5141 - Nutrition and Exercise for Health Promotion and Disease Prevention (3.0 cr)
or KIN 5142 - Applied Sport Nutrition for Athletic Performance (3.0 cr)
or KIN 5385 - Exercise for Healthy Aging & Disease Prevention and Management (3.0 cr)
or KIN 5435 - Advanced Theory and Techniques of Exercise Science (3.0 cr)
or KIN 5485 - Advanced Electrocardiogram Interpretation (3.0 cr)
or KIN 5585 - Pediatric Physiology and Health: Concepts and Applications (2.0 cr)
or KIN 5641 - Scientific Theory and Application of Training and Conditioning in Sport (3.0 cr)
or KIN 8122 - Seminar: Exercise Physiology (2.0 cr)

Research skills courses
A minimum of 6-9 research skills course credits are required, selected from the following list or in consultation with the adviser. It is recommended to take a statistical sequence in either EPSY, STAT, or PubH. It is not recommended to switch courses between departments unless agreed to by the adviser.
EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
or EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
or EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
or EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
or PUBH 6450 - Biostatistics I (4.0 cr)
or PUBH 6451 - Biostatistics II (4.0 cr)
or PUBH 7405 - Biostatistics: Regression (4.0 cr)
or PUBH 7406 - Advanced Regression and Design (4.0 cr)
or PUBH 7415 - Introduction to Clinical Trials (3.0 cr)
or PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)
or STAT 5021 - Statistical Analysis (4.0 cr)
or STAT 5302 - Applied Regression Analysis (4.0 cr)
or STAT 5303 - Designing Experiments (4.0 cr)
or STAT 5601 - Nonparametric Methods (3.0 cr)

Minor
Choose either a minor or supporting program. A minimum of 12 course credits are required for a University of Minnesota doctoral minor. Recommended minors include: CGSC, CPMS, GERO, HUMF, NSC, or PREV.

Supporting program
Any combination of at least 6 KIN or non-KIN course credits may be used for the supporting program and must be approved by the adviser. Recommended Kinesiology emphasis areas for supporting courses include Exercise Science, Perceptual-Motor Control and Learning, Physical Activity and Sport Science, or Sport Management. Recommended program areas for supporting program include: BIOC, FSCN, OT, PHSL, PubH, NSC, and RSC.

-OR-

Perceptual-Motor Control and Learning
Perceptual-motor control and learning includes related areas of movement behavior inquiry. Motor learning is the study of the learning of movement skills and the factors that mediate learning, such as practice, perceptual guidance, or knowledge of results. Although a lifespan approach is emphasized, students may focus on one or more specific age periods, such as infancy, early childhood, adolescence, or later adulthood.

Emphasis courses
A minimum of 12 course credits must be selected from the following list. At least 6 credits must be KIN 8xxx.

- KIN 5235 - Advanced Biomechanics II: Kinetics (3.0 cr)
- or KIN 5941 - Clinical Movement Neuroscience (3.0 cr)
- or KIN 8211 - Seminar: Perception and Action (3.0 cr)
- or KIN 8132 - Seminar: Motor Development (3.0 cr)
- or KIN 8135 - Seminar: Motor Control and Learning (3.0 cr)
- or RSC 5135 - Advanced Biomechanics I: Kinematics (3.0 cr)
- or RSC 5841 - Rehabilitation Science Instrumentation and Methodology (4.0 cr)

Research skills courses
A minimum of 6-9 research skills course credits are required, selected from the following list or in consultation with the adviser. It is recommended to take a statistical sequence in either EPSY, STAT, or PubH. It is not recommended to switch courses between departments unless agreed to by the adviser.

- EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
- or EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
- or EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
- or EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)
- or PUBH 6450 - Biostatistics I (4.0 cr)
- or PUBH 6451 - Biostatistics II (4.0 cr)
- or PUBH 7405 - Biostatistics: Regression (4.0 cr)
- or PUBH 7406 - Advanced Regression and Design (4.0 cr)
- or STAT 5201 - Sampling Methodology in Finite Populations (3.0 cr)
- or STAT 5302 - Applied Regression Analysis (4.0 cr)
- or STAT 5303 - Designing Experiments (4.0 cr)
- or STAT 5601 - Nonparametric Methods (3.0 cr)

Minor
Choose either a minor or supporting program. All University of Minnesota doctoral minors require a minimum of 12 credits. Recommended minors include CGSC, CPMS, GERO, HUMF, NSC, or PREV.

Supporting program
Any combination of at least 6 KIN or non-KIN course credits may be used for the supporting program and must be approved by the adviser. Recommended Kinesiology emphasis areas for supporting courses include Biomechanics and Neuromotor Control, Exercise Science, Physical Activity and Sport Science, or Sport Management. Recommended programs for supporting courses include: BMEN, ME, NURS, OT, OTOL, PUBH, NSC, and RSC. Specific KIN course recommendations include:

- KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)
- or KIN 5987 - Professional Skills and Grant Writing for Health Sciences (2.0 cr)

OR

Physical Activity and Sport Science
This emphasis centers on the broad context of human physical activity in areas such as competitive sport, fitness programs, lifestyle exercise, physical education, sports medicine and physical rehabilitation. Students can choose from three concentrations: behavioral aspects of physical activity, sport and exercise psychology, and sport sociology.

Emphasis courses
A minimum of 12 course credits must be selected from the following list. At least 6 credits must be KIN 8xxx. KIN 5720 is limited to 3 credits. Course credits for KIN 8696 determined in consultation with adviser.

- KIN 5123 - Motivational Interventions in Physical Activity (3.0 cr)
- or KIN 5126 - Social Psychology of Sport & Physical Activity (3.0 cr)
- or KIN 5136 - Psychology of Coaching (3.0 cr)
- or KIN 5371 - Sport and Society (3.0 cr)
- or KIN 5375 - Competitive Sport for Children and Youth (3.0 cr)
- or KIN 5720 - Special Topics in Kinesiology (2.0 - 4.0 cr)
- or KIN 5511 - Sport and Gender (3.0 cr)
- or KIN 5723 - Psychology of Sport Injury (3.0 cr)
- or KIN 8126 - Sports Medicine Psychology (3.0 cr)
- or KIN 8136 - Developmental Sport and Exercise Psychology (3.0 cr)
- or KIN 8696 - Internship: Applied Sport Psychology (3.0 - 6.0 cr)

Research skills course credits
A minimum of 6-9 research skills course credits are required, selected from the following list or in consultation with the adviser.

- KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)
- or EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
- or EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
- or EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
- or EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
- or EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
- or EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
- or EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
- or EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)
or PSY 8209 - Research Methods in Social Psychology (3.0 cr)
or PUBH 6810 - Survey Research Methods (3.0 cr)
or PUBH 7401 - Fundamentals of Biostatistical Inference (4.0 cr)
or PUBH 7405 - Biostatistics: Regression (4.0 cr)
or PUBH 7406 - Advanced Regression and Design (4.0 cr)

Minor
Choose either a minor or supporting program. A minimum of 12 course credits are required for a University of Minnesota doctoral minor. Recommended minors include: EPSY, PREV, PSY, PUBH, SOC, or Integrative Therapies and Healing Practices offered by the Center for Spirituality and Healing.

Supporting program
Any combination of at least 6 KIN or non-KIN course credits may be used for the supporting program and must be approved by the adviser. Recommended concentrations for supporting courses include Behavioral Aspects of Physical Activity, Sport and Exercise Psychology, or Sport Sociology. Students should consult with their adviser for program guidance. Specific KIN course recommendations include:
KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)
or KIN 5801 - Legal Aspects of Sport and Recreation (4.0 cr)

-OR-

Sport Management
This emphasis concentrates on the theoretical and practical dimensions of the management of athletic events, sports teams and facilities, and the sporting process. The management areas studied include those in the public sector (interscholastic and intercollegiate sport) as well as fitness and facility management. Sport management policy and ethics are also a focus of this emphasis area and research agenda.

Required courses
The following courses are required for a total of 6 credits. Students will take three registrations of KIN 8980 for 1 credit each.
KIN 8980 - Graduate Research Seminar in Kinesiology (1.0 cr)
KIN 8128 - Doctoral Sport Management Seminar (3.0 cr)

Program courses
A minimum of 9 credits must be selected from the following list:
KIN 5111 - Sports Facilities (3.0 cr)
or KIN 5375 - Competitive Sport for Children and Youth (3.0 cr)
or KIN 5511 - Sport and Gender (3.0 cr)
or KIN 5371 - Sport and Society (3.0 cr)
or KIN 5421 - Sport Finance (3.0 cr)
or KIN 5461 - Issues in the Sport Industry (3.0 cr)
or KIN 5601 - Sport Management Ethics and Policy (3.0 cr)
or KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)
or KIN 5801 - Legal Aspects of Sport and Recreation (4.0 cr)

Research skills course credits
A minimum of 6-9 research skills course credits are required, selected from the following list or in consultation with the adviser.
KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)
or OLPD 5056 - Case Studies for Policy Research (3.0 cr)
or OLPD 5061 - Ethnographic Research Methods (3.0 cr)
or OLPD 5528 - Focus Group Interviewing Research Methods (3.0 cr)
or EPSY 5247 - Qualitative Methods in Educational Psychology (3.0 cr)
or EPSY 8247 - Advanced Interviewing and NVIVO (3.0 cr)
or EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
or EPSY 8265 - Factor Analysis (3.0 cr)
or EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
or EPSY 8267 - Applied Multivariate Analysis (3.0 cr)
or FSOS 8013 - Qualitative Family Research Methods (3.0 cr)

Minor
Choose either a minor or supporting program. A minimum of 12 course credits are required for a University of Minnesota doctoral minor. Recommended minors include: Public Policy, COMM, EPSY, BA, or Cl.

Supporting program
Any combination of at least 6 KIN or non-KIN course credits may be used for the supporting program and must be approved by the adviser. Recommended Kinesiology emphasis areas for supporting courses include Biomechanics and Neuromotor Control, Exercise Physiology, Physical Activity and Sport Science, and Perceptual-Motor Control and Learning. Recommended program areas for supporting program courses include: OLPD, PA, COMM, Marketing, and Management.
**Twin Cities Campus**

**Leadership in Education M.Ed.**

Organizational Leadership, Policy and Development

College of Education and Human Development

Link to a [list of faculty](#) for this program.

**Contact Information:**
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377.
Email: olpd@umn.edu
Website: [http://www.cehd.umn.edu/olpd/](http://www.cehd.umn.edu/olpd/)

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The master of education (M.Ed.)/professional studies program in leadership in education, offered jointly by the Department of Organizational Leadership, Policy, and Development (OLPD) and the Department of Curriculum and Instruction (C&I) in the College of Education and Human Development (CEHD), builds leadership skills and facilitates analysis of K-12 school culture, policies, and practice.

This program develops educational leaders who can serve in schools that foster continuous learning and improvement. Program participants are prepared to advance team, school-wide, and district-wide reform initiatives for coherent educational systems and programs. This program addresses formal and informal leadership methods, emphasizing the roles and contributions of teachers as leaders of instructional improvement, including ways that teachers and principals work together to promote collaborative school cultures.

This 30-semester credit program emphasizes the essential components of leadership, including collaboration, group dynamics, continuous professional learning, school policy, school culture, design and facilitation of improvement initiatives, innovations in teaching and assessment practice, creation of coherent learning experiences, cross-cultural education, and technology.

Students are encouraged to begin the program with other educators from the same school or district. Most students complete the degree in two to three years while continuing to teach full time. Some degree coursework is offered at convenient, off-campus sites in the Twin Cities area.

**Program Delivery**

This program is available:
- via classroom (the majority of instruction is face-to-face)

**Prerequisites for Admission**

The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:

Applicants must have teaching experience.

**Special Application Requirements:**

Applications are reviewed on an ongoing basis, but students are advised to submit application materials by the following preferred dates: November 1 (Spring), March 1 (Summer), July 1 (Fall). International students must apply six weeks earlier than those dates listed.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21

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Information current as of September 19, 2014
Program Requirements

Plan C: Plan C requires 30 major credits and up to null credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Course Requirements

OLPD 5364 - Context and Practice of Educational Leadership (3.0 cr)
OLPD 5374 - Leadership for Professional Development (4.0 cr)
OLPD 5387 - Leadership for Teaching and Learning (3.0 cr)
  or CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
  or CI 5177 - Practical Research (3.0 cr)
OLPD 5361 - Project in Teacher Leadership (3.0 cr)
  or CI 5178 (inactive) (3.0 - 6.0 cr)

Electives

14 or more credits of elective courses with adviser approval. Students often choose elective credits aligned with certificates in staff development, school technology, reading, and school administration.

Program Sub-plans

A sub-plan is not required for this program.

Students may not complete the program with more than one sub-plan.

Rochester

This sub-plan is not accepting new students at this time. Course requirements are the same as the Twin Cities program.

Singapore

Course requirements are the same as the Twin Cities program.
Twin Cities Campus
Literacy Education M.Ed.
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Master of Education (M.Ed.)/professional studies program in Literacy Education is designed to improve the quality of literacy education in K-12 schools. The program aims to address the growing state and national emphasis on pupils' reading skills and achievement.

The literacy education program provides instruction on current developments in literacy theory and research, as well as teaching methods for reading, writing, language, speech, and media studies. Students will learn to develop instructional units, evaluate and assess K-12 pupils' literacy skills, and develop technology tools to teach them. The program also encourages students to become "literacy leaders" in their schools and school systems.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A bachelor's degree from an accredited college or university.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a clearly written statement of career interests, goals, and objectives. Master's applications are reviewed by department faculty three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan C: Plan C requires 30 major credits and up to null credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Coursework (6 credits)

- CI 5155 - Contemporary Approaches to Curriculum: Instruction and Assessment (3.0 cr)
- CI 5351 - Technology Tools for Educators (3.0 cr)

Literacy Education Requirements (18 credits)

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

- CI 5401 - Literature for the Elementary School (3.0 cr)
- CI 5402 - Introduction to Special Collections (3.0 cr)
- CI 5403 - Writing For and By Children (3.0 cr)
- CI 5404 - Culturally Diverse Books for Children and Adolescents (3.0 cr)
- CI 5410 - Special Topics in the Teaching of Literacy (1.0 - 3.0 cr)
- CI 5411 - Teaching Reading in the Elementary School (3.0 cr)
- CI 5412 - Reading Difficulties: Instruction and Assessment (3.0 cr)
- CI 5415 - Literacy Development in the Primary Grades (3.0 cr)
- CI 5417 - Elementary Literacy Instruction for ESL Students (3.0 cr)
- CI 5422 - Teaching Writing in Schools (3.0 cr)
- CI 5431 - Introduction to Instructional Leadership in K-12 Reading (3.0 cr)
- CI 5432 - Instructional Leadership in Reading in Kindergarten and the Elementary Grades (3.0 cr)
- CI 5433 - Instructional Leadership in Reading for the Middle and Secondary Grades (3.0 cr)
- CI 5434 - Professional Development and Evolving Practice in K-12 Reading (3.0 cr)
- CI 5435 - Instructional Leadership in Preventing Reading Difficulties (3.0 cr)
- CI 5441 - Teaching Literature in the Secondary School (2.0 - 3.0 cr)
- CI 5442 - Literature for Adolescents (3.0 cr)
- CI 5451 - Teaching Reading in Middle and Secondary Grades (3.0 cr)
- CI 5461 - Teaching Composition in the Secondary School (2.0 cr)
- CI 5462 - Evaluating and Assessing Writing (3.0 cr)
- CI 5472 - Teaching Film, Television, and Media Studies (3.0 cr)
- CI 5475 - Teaching Digital Writing: Blogs, Wikis, Online Talk, Podcasting, and E-Portfolios to Teach Writing (3.0 cr)

Electives (6 credits)

Courses will be selected in consultation with faculty adviser. Students are advised to select courses that reflect learning issues faced in their classroom, including special education, secondary language, or cultural diversity issues.

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

- CI 5331 - Introduction to Learning Technologies (3.0 cr)
- CI 5337 - Introduction to Learning Technologies (1.0 cr)
- CI 5344 - Introduction to Learning Technologies (1.0 cr)
- CI 5361 - Teaching and Learning with the Internet (3.0 cr)
- CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
- CI 5641 - Language, Culture, and Education (3.0 cr)
- CI 5642 - Assessing English Learners (3.0 cr)
- CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- CI 5651 - Foundations of Second Languages and Cultures Education (3.0 cr)
- CI 5656 - Teaching Literacy in Second Language Classrooms (3.0 cr)
- CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
- YOST 5952 - Everyday Lives of Youth (3.0 cr)
- YOST 5954 - Experiential Learning: Pedagogy for Community and Classroom (3.0 cr)
- COMM 5404 - Language and Culture (3.0 cr)
- COMM 5406 - Communication and Gender (3.0 cr)
- OLPD 5372 - Communication and Gender (3.0 cr)
- ENGL 5090 - Readings in Special Subjects (1.0 - 4.0 cr)
• ENGL 5200  [Inactive] (3.0 cr)
• ENGL 5300  [Inactive] (3.0 cr)
• EPSY 5112 - Knowing, Learning, and Thinking (4.0 cr)
• EPSY 5113 - Psychology of Instruction and Technology (3.0 cr)
• EPSY 5114 - Psychology of Student Learning (3.0 cr)
• EPSY 5151 - Cooperative Learning (3.0 cr)
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
• EPSY 5612 - Understanding of Academic Disabilities (3.0 cr)
• EPSY 5613 - Foundations of Special Education I (3.0 cr)
Multicultural College Teaching and Learning M.A.
Postsecondary Teaching and Learning
College of Education and Human Development

Contact Information:
Department of Postsecondary Teaching and Learning, 206 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-626-8705; fax: 612-625-0709)
Email: pstlinfo@umn.edu
Website: http://www.cehd.umn.edu/PsTL

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30 to 34
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of arts in multicultural college teaching and learning offered by the Department of Postsecondary Teaching and Learning (PsTL) provides an opportunity for intensive study of a transformative approach to teaching and learning to promote access to and success for traditionally underserved students. The program is multidisciplinary and a broad understanding of multiculturalism is employed that includes race, ethnicity, class, gender, sexual orientation, disability, age, and religion, so as to acknowledge that personal identity is complex and intersectional. Students engage in a critical examination of contemporary frameworks in educational theory, as well as the study of best practices for addressing them, such as multicultural education, critical pedagogy, assessment, and classroom research. Students are required to complete a semester-long supervised practicum and a two-semester supervised internship.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
In addition to the on-line application, students will also need to upload the following documents as part of their application: two letters of recommendation from persons familiar with the applicant's scholarship and research potential; and a current résumé. In addition, the most important part of the application is a personal statement describing the applicant's interest in the program, professional/academic and/or community qualifications, what the applicant will bring to the diversity of the cohort and the profession, and how completion of the M.A. will build on the applicant's capacity to improve and transform teaching and learning at the postsecondary level. Complete applications received by December 1 will be considered for priority admission. Complete applications must be received by May 1 to be considered for Fall admission.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

Plan A: Plan A requires 18 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is written and oral.

Plan B: Plan B requires 21 major credits and 9 credits outside the major. The final exam is written and oral. A capstone project is required.

Capstone Project: The Plan B master's degree requires students to complete a capstone project. Students must demonstrate familiarity with the tools of research or scholarship in multicultural college teaching and learning, the ability to work independently, and the ability to present the results of their investigation effectively. The Plan B capstone project will involve a combined total of approximately 120 hours (the equivalent of three full-time weeks) of work. The PsTL graduate faculty will specify the nature and extent of the options available to satisfy this requirement. In conjunction with the capstone project, students must enroll in the 3 credit PsTL 8315 Plan B Capstone Seminar.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.8 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

The Plan A master's requires a minimum of 34 credits. Students must complete a minimum of 18 credits in the major field (including practicum and internship) and a minimum of 6 elective credits including one research methods course, as well as 10 thesis credits and a master's thesis. The Plan B master's degree requires a minimum of 30 credits. Students must complete 21 credits in the major field including two semesters of internship (6 credits), the 3 credit Plan B Capstone Seminar and a capstone project, as well as a minimum of 9 elective credits.

Required core courses

The following courses are required for both the Plan A and the Plan B.

- PSTL 5106 - Multicultural Teaching and Learning in Diverse College Contexts (3.0 cr)
- PSTL 5196 - Supervised Practicum in Multicultural Postsecondary Teaching and Learning (3.0 cr)
- PSTL 5206 - Action Research Methods to Improve College Teaching and Learning (3.0 cr)
- PSTL 5212 - Multicultural Theories of College Student Development Applied to Teaching and Learning (3.0 cr)
- PSTL 8296 - Supervised Internship in Postsecondary Teaching and Learning (3.0 - 6.0 cr)

Plan A and Plan B requirements

Plan A

All Plan A students must take 10 thesis credits and 6 elective credits including one research methods course to be selected in consultation with adviser.

- PSTL 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Plan B

All Plan B students must take the Plan B Capstone Seminar and elective credits to be selected in consultation with adviser to reach required total of 30 credits.

- PSTL 8315 - Plan B Capstone Seminar (3.0 cr)
Twin Cities Campus
Multicultural College Teaching and Learning Minor
Postsecondary Teaching and Learning
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Postsecondary Teaching and Learning, 206 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455  (612-626-8705; fax: 612-625-0709)
Email: pstlgrad@umn.edu
Website: http://www.cehd.umn.edu/PsTL

• Program Type: Graduate minor related to major
• Requirements for this program are current for Fall 2014
• Length of program in credits (Masters): 6
• Length of program in credits (Doctorate): 12
• This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Department of Postsecondary Teaching and Learning’s (PsTL) graduate minors in multicultural college teaching and learning are designed for current University of Minnesota graduate students who want to study innovative strategies to increase access and success of diverse undergraduate students.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
To obtain a minor, graduate students should work with the PsTL director of graduate studies (DGS) to map out coursework that will enhance their ability to teach in diverse postsecondary contexts.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Coursework planned with PsTL Director of Graduate Studies. Typically students select from:
PsTL 5105 Increasing Access and Success in Undergraduate Classrooms (3 cr)
PsTL 5106 Multicultural Teaching and Learning in Diverse Post-secondary Contexts (3 cr)
PsTL 5206 Action Research Methods to Improve Post-secondary Teaching and Learning (3 cr)
PsTL 5212 Multicultural Theories of College Student Development Applied to Teaching and Learning (3 cr)
PsTL 8010 Special Topics: Postsecondary Teaching and Learning (1-3 cr)

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Master's
Coursework planned with PsTL Director of Graduate Studies to total 6 credits. Typically students select from:
PsTL 5105 Increasing Access and Success in Undergraduate Classrooms (3 credits)
PsTL 5106 Multicultural Teaching and Learning in Diverse Post-secondary Contexts (3 credits)

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PsTL 5206 Action Research Methods to Improve Postsecondary Teaching and Learning (3 credits);
PsTL 5212 Multicultural Theories of College Student Development Applied to Teaching and Learning (3 credits);
PsTL 8010 Special Topics: Post-secondary Teaching and Learning (1-3 credits).

Doctoral
Coursework planned with PsTL DGS to total 12 credits. Typically students select from:
PsTL 5105 Increasing Access and Success in Undergraduate Classrooms (3 credits);
PsTL 5106 Multicultural Teaching and Learning in Diverse Postsecondary Contexts (3 credits);
PsTL 5206 Action Research Methods to Improve Postsecondary Teaching and Learning (3 credits);
PsTL 5212 Multicultural Theories of College Student Development Applied to Teaching and Learning (3 credits);
PsTL 8010 Special Topics: Postsecondary Teaching and Learning (1-3 credits).
Twin Cities Campus
Multimedia Design and Development Postbaccalaureate Certificate

Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, University of Minnesota, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455
(612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://www.cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: T E L: Multimedia Design & Dev PBacc Cert Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

This certificate program in multimedia design and development prepares students to use technology (computers and the Internet) to develop instructional materials for use in a wide range of educational and training contexts (note that a university certificate program or certificate is distinct from a state certificate or certification).

The program is designed for K-12 teachers, higher education instructors, corporate trainers, and other professionals interested in using technology to support instruction.

Program Delivery
This program is available:
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A completed bachelor's degree is required for admission.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a one page goal statement. Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Courses (12 credits)
- CI 5362 - Foundations of Interactive Design for Web-based Learning (3.0 cr)
- CI 5363 - New Media and Interaction Design for Online and Mobile Learning (3.0 cr)
- CI 5336 - Planning for Multimedia Design and Development (3.0 cr)
- CI 5367 - Interactive Multimedia Instruction (3.0 cr)
Twin Cities Campus

Online Distance Learning Postbaccalaureate Certificate
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Online Distance Learning Postbaccalaureate Cert.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The online distance learning certificate is designed to prepare educators and other professionals to design and deliver distance learning opportunities in academic or business settings (note that a university certificate program or certificate is distinct from a state certificate or certification). Technology experience is not required, and courses are designed for learners with a wide range of experience.

This 12-credit certificate program will prepare students to successfully design, develop, and deliver curriculum on the Internet; use interactive online media; and create online learning communities for business and K-12 and postsecondary schools. As schools and businesses embrace online education, a variety of instructional design guidelines and pedagogical approaches have been developed to effectively guide online education and enhance learning.

Goals of the distance learning certificate include:
- Developing knowledge and skills in the best practices for designing and delivering online distance learning
- Engaging with current research about distance learning, current practices, and learning theory
- Providing opportunities to practice designing, developing, and delivering online distance learning
- Creating learning communities where students can reflect on their own teaching, reading, designing, and writing
- Allowing students to learn from each other

Program Delivery
This program is available:
- primarily online (at least 80% of the instruction for the program is online with short, intensive periods of face-to-face coursework)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A completed bachelor's degree is required for admission.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, and a one page goal statement. Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5

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• MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Core Courses (12 credits)
  CI 5321 - Foundations of Distance Education (3.0 cr)
  CI 5323 - Online Learning Communities (3.0 cr)
  CI 5325 - Designing and Developing Online Distance Learning (3.0 cr)
  CI 5327 - Designing Online Adventure Learning (3.0 cr)
Twin Cities Campus
Organizational Leadership, Policy, and Development Ed.D.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 58 to 72
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Department of Organizational Leadership, Policy, and Development is a leader in advancing knowledge about educational and organizational change in local, national, and international contexts. Its research, teaching, and outreach reflect a commitment to interdisciplinary and intercultural engagement with educators, scholars, and policy makers seeking to enhance leadership, policy, and development around the globe. Students in the Ed.D. programs choose from one of three complementary but distinct program tracks: education policy and leadership (EPL), higher education (HiEd), and human resource development (HRD). The department offers M.A. and Ph.D. degrees in the tracks mentioned above, as well as comparative and international development education (CIDE) and evaluation studies. Undergraduate programs focus on human resource development and business and marketing education. In addition, the department offers a variety of programs for practicing professionals and various licensure programs.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A master's degree is required. The preferred graduate GPA for admittance to the program is 3.50.

Other requirements to be completed before admission:
Applicants must submit scores from the General Test of the GRE, two letters of recommendation from persons familiar with their scholarship and research potential, a complete set of academic transcripts, and a current résumé, as well as answer required essay questions via the Universitys online application system. International students must also submit a TOEFL or IELTS score. Unofficial GRE scores, transcripts, and TOEFL/IELTS score may be submitted via the online application for admission review purposes only. Admitted students must submit official GRE scores (as applicable), transcripts (sent directly from institution[s]), and TOEFL/IELTS scores (as applicable) to the University as a condition of any admission offer. Applicants to the international cohorts should have at least three years of experience in international education.

Special Application Requirements:
Admission to the Education Policy and Leadership track and the Higher Education tracks of the EdD are currently suspended.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
Program Requirements
34 credits are required in the major.
12 to 14 credits are required outside the major.
12 to 24 thesis credits are required.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

The doctor of education (Ed.D.) is a professionally oriented degree program for those who will provide leadership in educational institutions and work and community education environments. Students combine study and related experiences to develop, apply, analyze, synthesize, and evaluate knowledge of the purposes, practices, issues, and problems of their program area. The Ed.D. is offered in 3 OLPD tracks: EPL (pre-K-12 schools), higher education and HRD. Cohorts for the EPL and higher education tracks include those in the metropolitan area, out state Minnesota, and international schools. Those two Ed.D. degree tracks are offered only in the context of cohort programs of 20-30 students each. All Ed.D. cohort programs include department core courses, program core courses, inquiry and research courses, supporting program or minor, and field research project credits. Through courses, seminars, and independent study, students learn to apply the products of disciplined inquiry to educational policy issues and practical situations in various educational environments and conduct types of research that contribute and/or apply that knowledge to the specialization. Within the overall framework (some credits may be brought in from previous graduate work), specific course requirements are developed for each program area and cohort when applicable. See the department website for requirements in specific cohorts. Preliminary written and oral exams are required. Students must complete a professional field project that contributes to the improvement of policy or practice.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Education Policy and Leadership
The EPL Ed.D. track is not accepting new students at this time.
Information about degree requirements for current students can be found at http://www.cehd.umn.edu/olpd/grad-programs/.

Higher Education
The higher education Ed.D. track is not accepting new students at this time.
Information about degree requirements for current students can be found at http://www.cehd.umn.edu/olpd/grad-programs/.

Human Resource Development
Current students in this Ed.D. track are required to take 47 course credits and 24 field study credits (thesis credits).

Research Courses
Students should consult with advisers about the appropriate time to register for each course.
OLPD 8015 - Research Design and Educational Policy (3.0 cr)
a 3 credit statistics course to be determined by student and adviser (3 cr inside or outside department)
a qualitative course to be determined by student and adviser (3 cr; inside or outside department)
a quantitative course to be determined by student and adviser (3 cr; inside or outside department)
OLPD 8890 - Research Seminar (1.0 cr)
Additional Rsch Course
a 3 credits qualitative course taken with adviser approval
or OLPD 8812 - Quantitative Research in Education (3.0 cr)

Skills and Special Topics
19 credits minimum. OLPD 8011 must be taken during the first year of the program.
OLPD 8011 - Doctoral Research Seminar I (1.0 cr)
18 credits of HRD elective coursework jointly determined by student and adviser based around the student's professional role

Specialization
Must total 12 credits
A 3 credit OLPD 8xxx level theory seminar course as determined by the adviser
9 additional credits of appropriate coursework as determined by the faculty adviser

Rochester
This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

Same as general program description.

This sub-plan is not accepting new students.
Twin Cities Campus
Organizational Leadership, Policy, and Development M.A.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30 to 34
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Department of Organizational Leadership, Policy, and Development is a leader in advancing knowledge about educational and organizational change in local, national, and international contexts. Our research, teaching, and outreach reflect a commitment to interdisciplinary and intercultural engagement with educators, scholars, and policy makers seeking to enhance leadership, policy, and development around the globe. Students in the M.A. and Ph.D. programs choose from one of five complementary but distinct program tracks: education policy and leadership (EPL), evaluation studies (ES), higher education (HE), comparative and international development education (CIDE), and human resource development (HRD). Our undergraduate programs focus on human resource development and business and marketing education. In addition, the department offers a variety of programs for practicing professionals and various licensure programs.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applicants must submit scores from the General Test of the GRE, two letters of recommendation from persons familiar with their scholarship and research potential, transcripts, a current résumé, and answer to two essay questions found within the University's online application. The GRE is not required for EPL M.A. applicants but is required for application to other M.A. program tracks (CIDE, ES, HE, and HRD). International students must also submit a TOEFL or IELTS score, but international applicants to the M.A. program are exempt from the GRE. All applications for admission are reviewed once a year. All new students begin in fall semester unless permission to start earlier is granted by the track coordinator. The annual deadline is March 1.

Letters of recommendation, résumé, essays, and other department application materials are submitted via the University online application system. Unofficial GRE scores, transcripts, and TOEFL/IELTS score may also be submitted via the online application for admission review purposes only. Admitted students must submit official GRE scores (as applicable), transcripts (sent directly from institution[s]), and TOEFL/IELTS scores (as applicable) to the University as a condition of any admission offer.

Applicants must have completed appropriate undergraduate and graduate study. In some cases, where previous coursework or degrees are marginally related, otherwise qualified applicants will be asked to complete additional background courses after admission. Applications are encouraged from individuals who may have completed undergraduate and/or master's programs in social science, liberal arts, public affairs, and business fields. The department offers study opportunities for professionals who are employed full time as well as for those who wish to pursue graduate studies full time.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
Program Requirements

Plan A: Plan A requires 16 to 18 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B: Plan B requires 24 to 28 major credits and 6 credits outside the major. The final exam is written.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

Program Sub-plans

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

Students may not complete the program with more than one sub-plan.

Comparative and International Development Education

Plan A
Total Plan A CIDE Credits: 34 credits

Plan A or Plan B

Program Core
Offered only in the fall term and normally taken during the year in which the student is writing the masters thesis. Student must take 3 credits of OLPD 5087

OLPD 5087 - Seminar: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)

Program Specialization
Select one of the specializations below and choose two of its three core courses. Note: The Global Youth Policy and Leadership specialization is not being offered currently although individual courses may appear on occasion.

Comparative and international development education

OLPD 5103 - Comparative Education (3.0 cr)
OLPD 5104 - Strategies for International Development of Education Systems (3.0 cr)
OLPD 5121 - Educational Reform in International Context (3.0 cr)

or Intercultural/international education

OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
OLPD 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
OLPD 5132 - Intercultural Education and Training; Theory and Application (3.0 cr)

or Global youth policy and leadership

OLPD 5141 - Global Youth Policy and Leadership: Comparative Youth Policy and Leadership (3.0 cr)
OLPD 5142 - Youth Futures in International and Global Contexts (3.0 cr)
OLPD 5381 - The Search for Children and Youth Policy in the U.S. (3.0 cr)

Research Design and Methods

3 credits to be selected in consultation with adviser.

Related Fields

The master's degree requires 6 semester credits taken outside the CIDE program track that directly relate to the student's area of study. Courses totaling 6 or more credits should be selected in consultation with the adviser and should constitute a solid coursework
foundation for the student's thesis. These courses may include additional methods courses taught outside the department.

Electives
Take 6 or more credit(s) from the following list with adviser approval:
- OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
- OLPD 5056 - Case Studies for Policy Research (3.0 cr)
- OLPD 5061 - Ethnographic Research Methods (3.0 cr)
- OLPD 5080 - Special Topics: Organizational Leadership, Policy, & Development (1.0 - 3.0 cr)
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
- OLPD 5102 - Knowledge Constructions and Applications in International Development Contexts (3.0 cr)
- OLPD 5144 [Inactive] (3.0 cr)
- OLPD 8087 - Seminar: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
- OLPD 8101 - International Education and Development (3.0 cr)
- OLPD 8103 - Comparative Education (3.0 cr)
- OLPD 8104 - Innovative Systems Thinking in Education and Culture (3.0 cr)

Thesis Credits
Take 10 or more credit(s) from the following:
- OLPD 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Plan B
Total Plan B CIDE Credits: 30 credits

Program Core
This is an independent study with adviser to prepare Plan B paper. Student must take at least 3 credits of OLPD 5095.
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)

Program Specializations
Select one of the specializations below and choose two of its three core courses. Note: The Global Youth Policy and Leadership specialization is not being offered currently although individual courses may appear on occasion.

Comparative and international development education
- OLPD 5103 - Comparative Education (3.0 cr)
- OLPD 5104 - Strategies for International Development of Education Systems (3.0 cr)
- OLPD 5121 - Educational Reform in International Context (3.0 cr)

Intercultural/international education
- OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
- OLPD 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
- OLPD 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)

Global youth policy and leadership
- OLPD 5141 - Global Youth Policy and Leadership: Comparative Youth Policy and Leadership (3.0 cr)
- OLPD 5142 - Youth Futures in International and Global Contexts (3.0 cr)
- OLPD 5381 - The Search for Children and Youth Policy in the U.S. (3.0 cr)

Research Design and Methods
3 credits to be selected in consultation with adviser.

Electives
Take 12 or more credit(s) from the following list:

Notes: 8xxx courses should be taken only with the consent of the instructor.

The following course sections are also available for elective options:
- OLPD 5080 - Special Topics: Gender, Education, & International Development (3 cr)
- OLPD 8087 - Seminar: Educational Policy & Administration (1-2 cr) [Advanced Seminar in International Development Education: Care Gender Project]
- OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
- OLPD 5056 - Case Studies for Policy Research (3.0 cr)
- OLPD 5061 - Ethnographic Research Methods (3.0 cr)
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
- OLPD 5102 - Knowledge Constructions and Applications in International Development Contexts (3.0 cr)
- OLPD 5144 [Inactive] (3.0 cr)
- OLPD 5302 - Educational Policy: Context, Inquiry, and Issues (3.0 cr)
- OLPD 8087 - Seminar: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
- OLPD 8101 - International Education and Development (3.0 cr)
- OLPD 8103 - Comparative Education (3.0 cr)
- OLPD 8104 - Innovative Systems Thinking in Education and Culture (3.0 cr)

Related Fields (6 additional credits outside department)
The master's degree requires 6 semester credits taken outside the CIDE program track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser and should constitute a solid coursework foundation for the student's thesis. These courses may include additional methods courses taught outside the department.
Education Policy and Leadership

Plan A or Plan B

Plan A

Program Core
Take 6 or more credit(s) from the following:
- OLPD 5001 - Formal Organizations in Education (3.0 cr)
- or OLPD 5041 - Sociology of Education (3.0 cr)
- or OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
- or OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
- or OLPD 5302 - Educational Policy: Context, Inquiry, and Issues (3.0 cr)
- or OLPD 5344 - School Law (3.0 cr)
- or OLPD 5364 - Context and Practice of Educational Leadership (3.0 cr)

Research Design and Methods
Take 6 or more credits selected in consultation with adviser.

Related Fields (6 additional credits outside department)
The master's degree requires 6 credits taken outside of the EPL program track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser.

Electives
2-8 credits selected in consultation with adviser.

Thesis Credits
Take 10 or more credit(s) from the following:
- OLPD 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

Research Project
Plan A students will develop and carry out an empirical research project under the supervision of their adviser.

-OR-

Plan B

Require Coursework
- OLPD 5001 - Formal Organizations in Education (3.0 cr)
- OLPD 5302 - Educational Policy: Context, Inquiry, and Issues (3.0 cr)

Program Core
Take 6 credits total from the following two areas:

Leadership courses
Choose one of the following:
- OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
- or OLPD 5364 - Context and Practice of Educational Leadership (3.0 cr)

Other Coursework
Choose one of the following:
- OLPD 5041 - Sociology of Education (3.0 cr)
- or OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
- or OLPD 5128 - Anthropology of Education (3.0 cr)
- or OLPD 5324 - Strategic Financial Planning and Policy for Educational Leaders (3.0 cr)
- or OLPD 5344 - School Law (3.0 cr)
- or OLPD 5346 - Politics of Education (3.0 cr)

Research Design and Methods
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)

Related Fields
6 additional credits outside of the EPL program track, selected in consultation with adviser. These usually include additional courses from the program core or other OLPD courses.

Electives
6-8 cr selected in consultation with adviser

Colloquium Paper
Students prepare a paper on an issue of relevance in school administration or revise and expand three course papers. Total of 120 hours of work required.

Take 3 or more credit(s) from the following:
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)

Evaluation Studies

Plan A or Plan B

Plan A
Total Plan A ES Credits: 31 credits minimum

**Program Core (6 credits)**
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
- OLPD 5502 - Theory and Models of Evaluation (3.0 cr)
  or OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)

**Research Design and Methods**
Two qualitative methods courses selected in consultation with adviser for a minimum of 6 credits.

**Related Fields/Electives (9-10 credits)**
The master's degree requires 6 semester credits taken outside the ES program track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser and should constitute a solid coursework foundation for the student's thesis.

**Thesis Credits**
Take 10 or more credit(s) from the following:
- OLPD 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Plan B
Total Plan B ES Credits: 31 credits minimum

**Program Core (10 credits)**
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
- OLPD 5521 - Cost and Economic Analysis in Educational Evaluation (3.0 cr)
- OLPD 5524 - Evaluation Colloquium (1.0 cr)
- OLPD 5502 - Theory and Models of Evaluation (3.0 cr)
  or OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)

**Research Design and Methods**
Two qualitative methods courses selected in consultation with adviser for a minimum of 6 credits.

**Related Fields**
The master's degree requires 6 semester credits taken outside the ES program track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser and should constitute a solid coursework foundation for the student's thesis.

**Other Electives**
Coursework related to the student's specialization, selected in consultation with the adviser, and totaling a minimum of 6 credits. These may be OLPD or outside courses.

**Colloquium Paper**
The Plan B paper is prepared under the guidance of the adviser and committee. The final paper must represent no fewer than 120 hours of work.

Take 3 or more credit(s) from the following:
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)

 Higher Education

Plan A or Plan B

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Plan A
Total Plan A HiEd Credits: 34 credits

**Required Coursework**
- OLPD 5701 - U.S. Higher Education (3.0 cr)
- OLPD 5709 - Critical Issues in Higher Education (3.0 cr)

**Program Area**
Take 9 or more credit(s) from the following with adviser consultation and approval. Other courses as offered by higher ed program track faculty may also meet this requirement.

Only the topics listed below may be used for this requirement if taking OLPD 5080:
- Diversity & Equity in Higher Education (3 cr)
- Public Engagement in Higher Education (3 cr)
- External Relations in Higher Education (3 cr)
- Perspectives on Leadership (3 cr)
- Any taught by higher ed program faculty (3 cr)
- OLPD 5001 - Formal Organizations in Education (3.0 cr)
  or OLPD 5080 - Special Topics: Organizational Leadership, Policy, & Development (1.0 - 3.0 cr)
  or OLPD 5704 - College Students Today (3.0 cr)
or OLPD 5721 - Race and Ethnicity in Higher Education (3.0 cr)
or OLPD 5724 - Leadership and Administration of Student Affairs (2.0 - 3.0 cr)
or OLPD 5734 - Institutional Research in Postsecondary Education (2.0 - 3.0 cr)
or OLPD 8703 - Public Policy in Higher Education (3.0 cr)

Related Fields
The master's degree requires 6 semester credits taken outside the higher ed program track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser and should constitute a solid coursework foundation for the student's thesis. These courses may include additional methods courses taught outside the department.

Research Design and Methods
Students select courses in consultation with their adviser totaling a minimum of 3 credits.

Thesis Credits
Take 10 or more credit(s) from the following:
OLPD 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Plan B
Total Plan B HiEd Credits: 30 credits

Required Coursework
6 credits
OLPD 5701 - U.S. Higher Education (3.0 cr)
OLPD 5709 - Critical Issues in Higher Education (3.0 cr)

Program Area
Take 12 or more credit(s) from the following with adviser consultation and approval. Other courses as offered by higher ed program track faculty may also meet this requirement.

Only the topics listed below may be used for this requirement if taking OLPD 5080:
- Diversity & Equity in Higher Education (3 cr)
- Public Engagement in Higher Education (3 cr)
- External Relations in Higher Education (3 cr)
- Perspectives on Leadership (3 cr)
- Any taught by higher ed program faculty (3 cr)

-OLPD 5001 - Formal Organizations in Education (3.0 cr)
-OLPD 5080 - Special Topics: Organizational Leadership, Policy, & Development (1.0 - 3.0 cr)
-OLPD 5704 - College Students Today (3.0 cr)
-OLPD 5721 - Race and Ethnicity in Higher Education (3.0 cr)
-OLPD 5724 - Leadership and Administration of Student Affairs (2.0 - 3.0 cr)
-OLPD 5734 - Institutional Research in Postsecondary Education (2.0 - 3.0 cr)
-OLPD 8703 - Public Policy in Higher Education (3.0 cr)

Related Fields
The master's degree requires 6 semester credits taken outside the higher ed track that directly relate to the student's area of study. These courses should be selected in consultation with the adviser and should constitute a solid coursework foundation for the student's thesis. These courses may include additional methods courses taught outside the department.

Methods Course
Select courses in consultation with adviser for a minimum of 3 credits.

Colloquium Paper
Plan B paper is prepared under the guidance of adviser and committee. The final paper must represent no fewer than 120 hours of work.

Take 3 or more credit(s) from the following:
OLPD 5795 - Plan B Research Design (3.0 cr)

Human Resource Development

Plan A or Plan B

Plan A

General Aspects
OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)

Research
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
OLPD 8815 - Ethics and Responsible Research (1.0 cr)

an 8xxx qualitative or quantitative research course (3 cr)

Program Core
OLPD 5605 - Strategic Planning through Human Resources (3.0 cr)

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OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)
OLPD 5615 - Training and Development of Human Resources (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)

**Thesis Credits and Elective**
Student must take 10 credits of OLPD 8777. Student must also take electives as needed to reach required grand total of 34 graduate-level coursework credits.

OLPD 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

**Plan B**

**General Aspects**
OLPD 5801 - Survey: Human Resource Development and Adult Education (3.0 cr)

**Research**
OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)
OLPD 8815 - Ethics and Responsible Research (1.0 cr)
an 8xxx qualitative or quantitative research course (3 cr)

**Program Core**
OLPD 5605 - Strategic Planning through Human Resources (3.0 cr)
OLPD 5696 - Internship: Human Resource Development (1.0 - 10.0 cr)
OLPD 5615 - Training and Development of Human Resources (3.0 cr)
OLPD 5607 - Organization Development (3.0 cr)
OLPD 5201 - Strategies for Teaching Adults (3.0 cr)

**Plan B Project Paper**
Plan B project/paper is prepared under the guidance of adviser and committee - must represent no fewer than 120 hours of work.
Students should register for between 3-6 credits

OLPD 5893 - Directed Study in OLPD (1.0 - 4.0 cr)

**Electives**
With approval of adviser as needed to total a minimum of 34 graduate-level coursework credits overall for this plan.
Organizational Leadership, Policy, and Development Ph.D.
College of Education and Human Development

Contact Information:
The Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455 (612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd/

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 70 to 72
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Department of Organizational Leadership, Policy, and Development is a leader in advancing knowledge about educational and organizational change in local, national, and international contexts. Its research, teaching, and outreach reflect a commitment to interdisciplinary and intercultural engagement with educators, scholars, and policy makers seeking to enhance leadership, policy, and development around the globe. Students in the M.A. and Ph.D. programs choose from one of five complementary but distinct program tracks: education policy and leadership (EPL), evaluation studies (ES), higher education (HiED), comparative and international development education (CIDE), and human resource development (HRD). Undergraduate programs focus on human resource development and business and marketing education. In addition, the department offers a variety of programs for practicing professionals and various licensure programs.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Applicants must have completed appropriate undergraduate and graduate study. In some cases, where previous coursework or degrees are marginally related, otherwise qualified applicants will be asked to complete additional background courses after admission.
Applications are encouraged from individuals who may have completed undergraduate and/or master's programs in social science, liberal arts, business, and education fields. The department offers study opportunities for professionals who are employed full time, as well as for those who wish to pursue graduate studies full time.

Special Application Requirements:
Applicants must submit scores from the General Test of the GRE, two letters of recommendation from persons familiar with their scholarship and research potential, a complete set of academic transcripts, and a current résumé; as well as answer required essay questions via the University online application system. Unofficial GRE scores, transcripts, and TOEFL/IELTS score may be submitted via the online application for admission review purposes only. Admitted students must submit official GRE scores (as applicable), transcripts (sent directly from institution[s]), and TOEFL/IELTS scores (as applicable) to the University as a condition of any admission offer.

The GRE is required for all tracks in the doctoral degree programs (Ed.D. and Ph.D.). International students must also submit a TOEFL or IELTS score. All applications for admission are reviewed once per year for Fall admission. Submission of all application materials for all tracks by December 1 is strongly encouraged to ensure priority consideration for assistantships awarded for the next academic year. All new students begin in fall semester unless special permission to start earlier is granted by the program coordinator.

International applicants must submit score(s) from one of the following tests:
- TOEFL

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Information current as of September 19, 2014
Program Requirements
30 to 48 credits are required in the major.
0 to 18 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Credits required by the major vary by track. The Ph.D. is available in five program tracks: education policy and leadership, evaluation studies, higher education, comparative and international development education or human resource development. All Ph.D. programs include 16 credits in department core courses (which include 15 credits of research methodology courses), 18 or more credits in program core courses, 12-14 credits program approved electives, and 24 thesis credits. The minimum total of course credits varies by track (see Student Handbook on the department website for details). Preliminary written and oral exams are required. Students must complete a dissertation. Within the general framework for Ph.D. requirements, the degree program is developed by the student and his or her adviser and is subject to approval by the department's director of graduate studies and the University.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Comparative and International Development Education
The doctor of philosophy (Ph.D.) degree with a program emphasis in comparative and international development education (CIDE) is offered by the Department of Organizational Leadership, Policy, and Development (OLPD). CIDE uses an interdisciplinary approach to the study of education's role in economic, political, and sociocultural development; international educational exchange; and the internationalization of education. The three specializations within CIDE are comparative and international development education; intercultural/international education; and global youth policy and leadership.

Department Core
16 credits

Professional socialization seminar
Taken fall term of first year.
OLPD 8011 - Doctoral Research Seminar I (1.0 cr)

Research courses
OLPD 8015 - Research Design and Educational Policy (3.0 cr)
Quantitative course to be determined by student and adviser (3 cr in or outside of department)
Qualitative course to be determined by student and adviser (3 cr in or outside of department)
6 credits of additional methods courses to be determined by student and adviser (in or outside of department)

Doctoral Seminars in CIDENull
Students take 6 credits; 2 credits in each of 3 semesters starting in the spring term of the first year in the program; course numbers are listed as OLPD 8121, section 002; OLPD 8121, section 003; and OLPD 8121, section 004.

Specialization Courses
Students choose two courses, with a minimum of one 8xxx course for specializations with 8xxx courses. Any specialization core course not being used as core class can become a CIDE elective. Note: The Global Youth Policy and Leadership specialization is not being offered currently although individual courses may appear on occasion.

Comparative and international development education
Take 6 or more credit(s) from the following:
OLPD 5104 - Strategies for International Development of Education Systems (3.0 cr)
or OLPD 5121 - Educational Reform in International Context (3.0 cr)
or OLPD 8101 - International Education and Development (3.0 cr)
or OLPD 8103 - Comparative Education (3.0 cr)

Intercultural/international education
Take 6 or more credit(s) from the following:
OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
OLPD 5124 - Critical Issues in International Education and Educational Exchange (3.0 cr)
OLPD 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)

Global Youth Policy and Leadership
Take 6 or more credit(s) from the following:
OLPD 5141 - Global Youth Policy and Leadership: Comparative Youth Policy and Leadership (3.0 cr)
OLPD 5142 - Youth Futures in International and Global Contexts (3.0 cr)
OLPD 5381 - The Search for Children and Youth Policy in the U.S. (3.0 cr)

CIDE Elective Courses
Take exactly 8 credit(s) from the following:
OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
or OLPD 5056 - Case Studies for Policy Research (3.0 cr)
or OLPD 5061 - Ethnographic Research Methods (3.0 cr)
or OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
or OLPD 5102 - Knowledge Constructions and Applications in International Development Contexts (3.0 cr)
or OLPD 5144 - [Inactive](3.0 cr)
or OLPD 5381 - The Search for Children and Youth Policy in the U.S. (3.0 cr)
or OLPD 8104 - Innovative Systems Thinking in Education and Culture (3.0 cr)
or Special topics/Se uminai elective options
OLPD 8037 - Seminar in OLPD Advanced Seminar in International Development Education: Care Gender Project OR Professional Seminar in CIDE

OLPD 5080 - Special Topics in OLPD Special Topics: Gender, Education, and International Development (3 cr) OR Special Topics: Human Rights Education (3 cr)
or OLPD 5080: Special Topics course in Gender, Education, and International Development (3 cr) or Human Rights Education (3 cr)

Additional Coursework
To meet requirement that 12 credits be taken outside the CIDE program track or for a graduate minor.

Education Policy and Leadership
The doctor of philosophy (Ph.D.) degree with a program emphasis in education policy and leadership (EPL) provides an opportunity for intensive study of the field of education. It is especially suitable for students who wish to pursue careers in policy, research, or college and university teaching. It is also available to students who are interested in careers in school, district, and statewide administration, though it is more theory and research-oriented than the doctorate of education (Ed.D.) degree, which is also offered by OLPD. Educational administration offers coursework and research opportunities for those interested in making a difference in educational systems and settings that involve PreK-12 children and youth. The program is committed to supporting the development of leaders and scholars who work to continuously improve educational quality and effectiveness so that young people graduate from secondary education well prepared to continue their learning and to contribute to their communities. The program promotes understanding of schools as organizations and emphasizes application of knowledge and research to varied contexts of educational practice.

Department Core
16 credits
Professional socialization seminar
Taken fall term of first year
OLPD 8011 - Doctoral Research Seminar I (1.0 cr)

Research courses
OLPD 8015 - Research Design and Educational Policy (3.0 cr)
3 credit quantitative course (in or outside of department) in consultation with adviser
3 credit qualitative course (in or outside of department) in consultation with adviser
6 credits of additional methods courses in consultation with adviser

Program Core: Education Policy and Leadership
18 credits
OLPD 5001 - Formal Organizations in Education (3.0 cr)
OLPD 5346 - Politics of Education (3.0 cr)
OLPD 8020 - Leadership: From Theory to Reflective Practice (3.0 cr)
OLPD 8302 - Educational Policy Perspectives (3.0 cr)

OLPD Electives
6 or more credits of electives selected with approval of adviser.

Additional Coursework
To meet requirement that 12 credits be taken outside the EPL program track or for a graduate minor. Courses not specifically listed should have adviser approval.

**Evaluation Studies**
The doctor of philosophy (Ph.D.) degree with a program emphasis in evaluation studies (ES) provides an opportunity for intensive study of the techniques and process of evaluation and policy research and of the social and political context within which program evaluation occurs. Graduates leave with a portfolio filled with evidence of their expertise with the tools of the evaluation trade—qualitative and quantitative inquiry methods, communication skills, and computer database analysis experience. Evaluation knowledge and skills are gleaned not only from time in the classroom but also from internships and collaboration with evaluation professionals in real-world settings. Evaluation studies students have access to some of the best evaluators in the field.

**Department Core**
16 credits
Taken fall term of first year
- OLPD 8011 - Doctoral Research Seminar I (1.0 cr)

**Research Courses**
- OLPD 8015 - Research Design and Educational Policy (3.0 cr)
- 3 credit quantitative course (in or outside of department) in consultation with adviser
- 3 credit qualitative course (in or outside of department) in consultation with adviser
- 6 credits of additional methods courses in consultation with adviser

**Program Core: Evaluation Studies**
20 credits. Student must take OLPD 8596 twice, in two different semesters.
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
- OLPD 5521 - Cost and Economic Analysis in Educational Evaluation (3.0 cr)
- OLPD 5524 - Evaluation Colloquium (1.0 cr)
- OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)
- OLPD 8595 - Evaluation Problems (1.0 - 6.0 cr)
- OLPD 8596 - Evaluation Internship (1.0 - 9.0 cr)

**Additional Coursework**
To meet requirement that 12 credits be taken outside the ES program track or for a graduate minor. Courses not specifically listed should have adviser approval.

**Higher Education**
The doctor of philosophy (Ph.D.) degree with a program emphasis in higher education (HIED) provides an opportunity for intensive study of the policies and organizational issues in higher education institutions and systems. HIED focuses on the experiences, practices, and decisions of those involved in postsecondary education, as well as on the sociopolitical contexts in which higher education exists. Areas of specialization include administration and organization, policy, college students, external relations, equity-oriented change, and research integrity.

**Department Core**
16 credits
- Professional socialization seminar
  Taken fall term of first year
  - OLPD 8011 - Doctoral Research Seminar I (1.0 cr)

**Research Design and Methods**
- OLPD 8015 - Research Design and Educational Policy (3.0 cr)
- 3 credit quantitative course (in or outside of department) in consultation with adviser
- 3 credit qualitative course (in or outside of department) in consultation with adviser
- 6 credits of additional methods courses in consultation with adviser

**Program Core: Higher Education**
21 credits
- OLPD 5701 - U.S. Higher Education (3.0 cr)
- OLPD 5704 - College Students Today (3.0 cr)
- OLPD 8702 - Administration and Leadership in Higher Education (3.0 cr)
- OLPD 8703 - Public Policy in Higher Education (3.0 cr)

**Higher Ed Electives**
9 credits focused on issues relevant to the Higher Education track with adviser approval

**Additional Coursework**
Minimum of 11 credits. To meet department requirement that at least 11 credits be taken outside the HE program track or for a graduate minor.

**Human Resource Development**
The doctor of philosophy (Ph.D.) degree with a program emphasis in human resource development (HRD) is offered by the Department of Organizational Leadership, Policy, and Development (OLPD). Students in HRD combine study and related experiences to develop, apply, analyze, synthesize, and evaluate knowledge of the purposes, practices, issues, and problems of work and community education; social, economic, historical, political, cultural, educational, technological, and psychological contexts within which work and
community education exist; and types of research that contribute to or apply that knowledge to the specialization.

**Department Core**

- **Professional socialization seminar**
  - Taken fall term of first year
- **OLPD 8011 - Doctoral Research Seminar I** (1.0 cr)

**Dept Research Courses**

- **OLPD 8015 - Research Design and Educational Policy** (3.0 cr)
- 3 credit quantitative foundations course (in or outside of department) in consultation with adviser
- 3 credit qualitative foundations course (in or outside of department) in consultation with adviser
- 6 credits of additional methods courses in consultation with adviser

**Additional Research Courses**

In addition to the research/methodology courses mentioned in the department core the following are required for students in the HRD track.

- 3 credit statistics course selected in consultation with adviser
- 5 credits of a capstone year-long research course selected in consultation with adviser

**Specialization**

- One 8000 level theory seminar (3 cr)
- 2 or 3 8xxx level Special Topics seminars offered by various HRD faculty (2-3 credits each for a total of 6 cr)

**Skills and Special Topics Electives**

- 15 credits of electives in consultation with one's adviser
Twin Cities Campus
Parent Education Postbaccalaureate Certificate
Family Social Science
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Family Social Science, 290 McNeal Hall, 1985 Buford Avenue, St Paul MN 55108 (612-625-3116; fax: 612-625-4227)
Email: famed@umn.edu
Website: http://www.cehd.umn.edu/fsos/

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 16
- This program requires summer semesters for timely completion.
- Degree: Parent Education PBacc Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The parent education certificate program is designed to prepare professionals to plan, coordinate, and teach parent education programs and services for families with children from early childhood through adolescence.

The 16-credit program prepares professionals who are well qualified to deliver programs designed to address the intellectual, emotional, cultural, social, and physical needs of parents and children. In addition to educational settings that may include public-school parent education programs, preschools, child care centers, and Head Start programs, parent educators may also work in health care and social-service agencies and institutions, and faith-based settings.

Certificate courses are offered online. Online coursework is designed to meet the needs of local and distance learners in Minnesota, around the country and the world.

Students participate in live online chat sessions and weekly reflections with their course instructors. They interview parents, read the latest research, and view presentations by University of Minnesota faculty and noted experts in the field.

The capstone course (FSOS 5949 - Student Teaching in Parent Education) allows students to teach and interact with parents in a parent education setting under the supervision of a licensed or highly qualified parent educator approved by core faculty. This individualized student teaching allows each program participant to integrate and apply what they have learned to parent education experiences, preparing them for professional work in the field.

Program Delivery
This program is available:
- completely online (all program coursework can be completed online)

Prerequisites for Admission

Special Application Requirements:
Complete the equivalent of six semester undergraduate or graduate credits in child development courses before entering the parent education certificate program, completed within 10 years of admission to the certificate program. If these credits have not been completed at the time of application, the applicant may be admitted conditionally until they are completed and recorded on a transcript.

The following CEHD courses are examples of child development courses that may meet this requirement:

CPSY 4302 - Infant Development
CPSY 4331 - Social and Personality Development
CPSY 4343 - Cognitive Development

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Required Courses

Note: FSOS 5943 through FSOS 5949 must be taken in the sequence listed. FSOS 5932, FSOS 5937, and FSOS 5942 can be taken in any sequence.

- FSOS 5932 - Introduction to Parent Education (1.0 cr)
- FSOS 5937 - Parent-Child Interaction (3.0 cr)
- FSOS 5942 - Everyday Experiences of Families (2.0 cr)
- FSOS 5943 - Parent Learning and Development: Implications for Parent Education (2.0 cr)
- FSOS 5944 - Parent Education Curriculum (2.0 cr)
- FSOS 5945 - Teaching and Learning in Parent Education (2.0 cr)
- FSOS 5946 - Assessment and Evaluation in Parent Education (2.0 cr)
- FSOS 5949 - Student Teaching in Parent Education (2.0 cr)
Twin Cities Campus
PK-12 Administration Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Leadership, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-625-9087; fax: 612-624-3377)
Email: licensure@umn.edu
Website: http://www.cehd.umn.edu/olpd/grad-programs/Adm-Licensure/default.html

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 22 to 25
- This program requires summer semesters for timely completion.
- Degree: PK-12 Administration PBacc Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Housed within the University of Minnesota’s Department of Organizational Leadership, Policy, and Development (OLPD), the PK-12 Administration certificate offers aspiring educational administrators an individualized program to prepare them for the following licenses:
- K-12 principal
- Superintendent
- Director of special education
- Director of community education

The PK-12 Administration certificate program offers a variety of courses specifically designed to address the competencies required by the state for the various licenses.

Accreditation
This program is accredited by Minnesota Board of School Administrators and the NCATE.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applications are reviewed on a rolling basis.

Please visit http://www.cehd.umn.edu/olpd/grad-programs/Adm-Licensure/apply.html for information about application process and related fees.

Applications to the doctoral and licensure programs are separate processes. Only three-credit licensure courses that have been approved by the candidate's adviser may be counted toward an Ed.D. or Ph.D. If you are considering doing both the certificate and a doctoral program, contact our program office.

Please note: This program is not offered full-time and therefore is not intended for international students needing a visa to study in the United States.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
- Paper Based - Total Score: 550
  - IELTS - Total Score: 6.5
  - MELAB - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Further requirements: K-12 principal, superintendent, and director of special education
- Possess or complete three years of teaching experience
- 60 credits beyond a bachelor's degree to include a graduate degree
- 320 hours of field experience

Further requirements: director of community education
- A bachelor's degree plus 24 credits
- 320 hours of field experience

Exit requirements
An electronic portfolio presented to a review panel made up of representatives from the University and licensed practitioners is required as the last step to earning licensure.

Required for All Licenses
Note: OLPD 5391 is not required for the director of special education license. OLPD 5387 and 5391 are not required for the director of community education license.

OLPD 5324 - Strategic Financial Planning and Policy for Educational Leaders (3.0 cr)
OLPD 5344 - School Law (3.0 cr)
OLPD 5348 - Leaders of Human Resources Administration (3.0 cr)
OLPD 5385 - Licensure Seminar: Program Policies and Inclusionary Leadership (1.0 cr)
OLPD 5386 - Leadership Portfolio Seminar (1.0 cr)
OLPD 5387 - Leadership for Teaching and Learning (3.0 cr)
OLPD 5391 - Special Education Law for Leaders (1.0 cr)
OLPD 5396 - Field Experience in PK-12 Administration: Authentic Practice in Leadership (3.0 cr)

Licensure-Specific Course Requirements

K-12 principal
OLPD 5321 - The Principal as Leader of High-Performing Schools (3.0 cr)
OLPD 5388 - Leadership for Master(ful) Scheduling (2.0 cr)
-OR-

Superintendent
OLPD 5322 - Leaders in the Superintendency and Central Office (3.0 cr)
OLPD 5393 - Leading School Finance Elections (1.0 cr)
-OR-

Director of special education
OLPD 5368 - Leadership for Special Education Services (3.0 cr)
OLPD 5392 - Special Education Finance: Program Models, Policy, and Law (2.0 cr)
OLPD 5321 - The Principal as Leader of High-Performing Schools (3.0 cr)
-OR-

Director of community education
OLPD 5389 - Community Education Leadership (3.0 cr)
OLPD 5394 - Leadership in Community Education Finance and Law (1.0 cr)
Take 6 credits, in consultation with adviser, from outside of OLPD in the areas of:
- Adult Education (2 cr)
- Early Childhood (2 cr)
- School Age Programs (2 cr)
Twin Cities Campus
Prevention Science Minor
Institute of Child Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Prevention Science Program, 154 Child Development, 51 East River Parkway, Minneapolis, MN 55455 (612-625-9778; fax: 612-624-6373)
Email: prevsci@umn.edu
Website: http://www.preventionscience.umn.edu

• Program Type: Graduate free-standing minor
• Requirements for this program are current for Fall 2014
• Length of program in credits (Masters): 9
• Length of program in credits (Doctorate): 13
• This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Prevention science is defined for the purposes of this program as the scientific study of systematic efforts to reduce the incidence of unhealthy or maladaptive behavior, and to promote health and adaptive behavior in populations across the life span through designing and evaluating interventions, and utilizing knowledge about them more strategically.

The fundamental assumption of this free-standing minor is that future researchers and scholars will be most able to meet the challenges and changes occurring in society and in their chosen professions and disciplines if their training is comprehensive and transdisciplinary.

Prevention science is a rapidly expanding interdisciplinary field and this program will increase opportunities for the University's academic researchers to partner with communities to address the complex issues facing society.

Six areas of concentration will be offered. Students will be expected to select one as a major emphasis. Areas of concentration are: 1) promotion of mental health and well being across the life span; 2) interventions in education, health, and social services; 3) social policy; 4) family and community studies (early stage research, needs assessments, action research); 5) methodology; 6) individualized concentration.

For more information about these areas of concentration, visit www.cehd.umn.edu/icd/PrevSci/concentrations.html.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Students must have gained admission to a master's or doctoral degree-granting program, and have prepared a minor program of coursework approved by the director of graduate studies in prevention science. Students are required to make formal application to the program. Doctoral students must apply prior to submitting their graduate degree plan for approval. Instructions and forms can be found at www.cehd.umn.edu/icd/PrevSci/admission.html

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.
The master's and doctoral minors are developed in consultation with, and should be approved in advance by, the director of graduate studies for prevention science.

The purpose of the minor is to provide students with interdisciplinary training in prevention science; therefore, all students will be required to fulfill the elective requirements for the minor by taking courses outside their major. Courses counting toward a student's major may not be counted toward the minor.

Program Sub-plans
Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Master's
**Required Courses**
- PREV 8001 - Prevention Science Core (3.0 cr)
  Students should choose 6 additional credits of elective courses primarily from the student's area of concentration in consultation with the director of graduate studies.

Doctoral
**Required Courses**
- PREV 8001 - Prevention Science Core (3.0 cr)
- PREV 8005 - Prevention Science Capstone Course (1.0 cr)
  Students should choose 9 additional credits of elective courses primarily from the student's area of concentration in consultation with the director of graduate studies.
Twin Cities Campus

Professional Development Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12 to 15
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate in professional development is designed to prepare leaders in designing, implementing, and evaluating learning opportunities for preK-12 educators and related staff.

This 12- to 15-credit graduate-level program offers professional development opportunities for teachers, administrators, and others involved in school improvement initiatives. Throughout the program, students are required to reflect on their learning, make explicit connections between theory and practice, and design staff development processes and materials for use in their own work contexts.

Through the program, participants will:
- Learn to apply research-based standards for staff development
- Be prepared for the multifaceted roles and competencies of staff developers
- Identify organizational and leadership capacities for effective staff development policies and practices
- Be able to articulate effective staff learning principles, designs, and strategies
- Evaluate staff development, including its effects on students, staff, and systems
- Learn to work effectively with groups, including both facilitation and training models of learning
- Identify and access staff development resources, including current research and best practices literature
- Gain awareness of individual strengths and areas for continuous improvement as a professional educator and leader of staff learning.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Special Application Requirements:
Admission to the professional development certificate is open to both degree-seeking or non-degree seeking students. Students may pursue the certificate alone or concurrently with a UM masters or doctoral degree. Applicants must have at least three years of experience working as education or related professionals in preK-12 education. Please note that this program is not offered full-time and therefore is not intended for international students needing a visa to study in the United States. Admission for this program is done on a rolling basis.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.
Required Courses
OLPD 5364 - Context and Practice of Educational Leadership (3.0 cr)
OLPD 5374 - Leadership for Professional Development (4.0 cr)
OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)

Additional Coursework
With certificate program faculty approval, students choose and complete 2-5 credits of coursework focusing on a topic that interests them. Students can complete this requirement in one of two ways.
Take 2 - 5 credit(s) from the following:
- OLPD 5095 - Problems: Organizational Leadership, Policy, and Development (1.0 - 3.0 cr)
  or focused elective coursework chosen with program faculty approval.
Twin Cities Campus
Program Evaluation Minor
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 15
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Program evaluation is an area of inquiry that uses both quantitative and qualitative methods to address questions of concern to policy makers, administrators, managers, and, in some cases, program participants. In this era of competing developments—increased accountability and the democratization of research activity—knowledge of program evaluation is a useful and valuable commodity. The program evaluation minor is an interdisciplinary effort providing intensive study of the techniques and process of evaluation and policy research, in addition to the social and political context within which program evaluation occurs. The graduate minor in program evaluation offers a coordinated set of courses designed for students who wish to have the knowledge and skills necessary to conduct evaluations combined with their graduate majors or professional fields of study. Courses include readings, discussions, and assignments designed to develop the skills essential to professionals intending to use or conduct evaluation in non-profit and for-profit organizations.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Prior admission into an established master's or doctoral program is required. Admission to the minor, therefore, will be contingent upon enrollment in good standing within a recognized University degree-granting program.

Special Application Requirements:
Students apply for admission through the minor's director of graduate studies and faculty. Students must demonstrate relevant academic background, including research methodology, and experience in a field in which program evaluation is practiced (e.g., public health, social work, and education). Students from existing evaluation programs in OLPD and educational psychology are not eligible for the minor.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Students need a minimum of 15 credits for the doctoral minor and a minimum of 9 credits for the master's minor. Individual programs are designed through consultation by the student, the major adviser, and the director of graduate studies of the program evaluation minor.
Program Sub-plans

Students are required to complete one of the following sub-plans. Students may not complete the program with more than one sub-plan.

Master's

Minor requirements
The program for an individual student will be developed by the student, the major adviser, and the director of graduate studies (DGS) of the program evaluation minor. With permission of the program evaluation minor DGS, students with sufficient background and previous course experience equivalent to one or more courses within the curriculum may apply for waiver of appropriate requirements and replace waived courses with additional electives to meet the 9 credit minimum.

- OLPD 8596 - Evaluation Internship (1.0 - 9.0 cr)
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
  or An alternative course approved by program evaluation steering committee.
- OLPD 5502 - Theory and Models of Evaluation (3.0 cr)
  or OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)

Doctoral

Minor Requirements
The program for an individual student will be developed in consultation among the student, the major adviser, and the director of graduate studies (DGS) of the program evaluation minor. With the permission from the program evaluation minor DGS, students with sufficient background and previous course experience equivalent to one or more courses within the curriculum may apply for waiver of appropriate requirements and replace waived courses with additional electives to meet the 15 credit minimum.

- OLPD 5521 - Cost and Economic Analysis in Educational Evaluation (3.0 cr)
- OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)
- OLPD 8596 - Evaluation Internship (1.0 - 9.0 cr)
- OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
  or An alternative course approved by program evaluation steering committee.

Additional coursework
Additional coursework must be taken in courses selected in conjunction with, and approved by, the minor adviser.
Twin Cities Campus
Program Evaluation Postbaccalaureate Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12 to 13
- This program does not require summer semesters for timely completion.
- Degree: Program Evaluation Postbaccalaureate Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The program evaluation certificate program offers intensive study of applied methods of evaluating programs and services in school, health, government, nonprofit agencies and market research settings. This interdisciplinary program surveys program evaluation techniques and processes, and examines the social and political contexts of the studies. The program allows working professionals from a variety of disciplines to formalize their training in program evaluation by earning a certificate in this area. Demand for trained professionals in program evaluation has increased steadily to meet the reporting needs of funding agencies, policy makers, and program managers in the public and private sectors. Graduates of evaluation studies programs have found employment in county government, social service agencies, state departments, and research consulting firms and businesses.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
A completed graduate-level degree, master of education (M.Ed.) or master of arts (M.A.), in an appropriate content area, including education, social work, public health, or public policy.

Other requirements to be completed before admission:
Students must demonstrate relevant academic background, including research methodology and experience in a field in which program evaluation is practiced (e.g., public health, social work, or education). Admission will be based on an assessment of the applicant's advanced knowledge and level of professional experience in the field of program evaluation. Applications are reviewed on a rolling basis.

Special Application Requirements:
Enrollment in the certificate program will be limited to a maximum of 10 students per calendar year.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Certificate coursework completed with undergraduate student status cannot be applied to graduate-level degree programs.

Required Coursework
8-9 credits required. The following courses (or equivalents approved by the program coordinator of evaluation studies) are required...
Foundations of evaluation
Take 1 or more course(s) from the following:
• OLPD 5501 - Principles and Methods of Evaluation (3.0 cr)
• PA 5311 - Program Evaluation (3.0 cr)
• PUBH 6852 - Program Evaluation in Health and Mental Health Settings (2.0 cr)
• SW 8603 - Program Evaluation (2.0 cr)

Evaluation theory
OLPD 8502 - Program Evaluation Theory and Models: Qualitative and Quantitative Alternatives (3.0 cr)

Internship in evaluation
Only 3 credits of this course can count towards this certificate
OLPD 8596 - Evaluation Internship (1.0 - 9.0 cr)

Elective Coursework
Students may choose 3-4 credits of elective coursework from the following list to meet the overall program minimum of 12 credits). Additional courses may be approved by the program coordinator of evaluation studies.
Take 3 or more credit(s) from the following:
• CI 8115 - Curriculum and Achievement Outcomes in a Diverse Society (3.0 cr)
• CI 8148 - Conducting Qualitative Studies in Educational Contexts (3.0 cr)
• CI 8914 - Critical Science Research (3.0 cr)
• OLPD 5056 - Case Studies for Policy Research (3.0 cr)
• OLPD 5061 - Ethnographic Research Methods (3.0 cr)
• OLPD 5841 (inactive) (3.0 cr)
• OLPD 5524 - Evaluation Colloquium (1.0 cr)
• OLPD 8595 - Evaluation Problems (1.0 - 6.0 cr)
• EPSY 5221 - Principles of Educational and Psychological Measurement (3.0 cr)
• EPSY 5244 - Survey Design, Sampling, and Implementation (3.0 cr)
• FSOS 8013 - Qualitative Family Research Methods (3.0 cr)
• PUBH 6724 - The Health Care System and Public Health (3.0 cr)
• SW 8602 - Direct Practice Evaluation (2.0 cr)
Twin Cities Campus
Social Work M.S.W.
School of Social Work
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Social Work, 105 Peters Hall, 1404 Gortner Avenue, St. Paul, MN 55108 (612-625-1220; fax: 612-624-3744)
Email: swadmis@umn.edu
Website: http://cehd.umn.edu/ssw

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 34 to 53
- This program does not require summer semesters for timely completion.
- Degree: Master of Social Work

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The M.S.W. prepares students for advanced social work practice. A 53-credit program and a 34-credit advanced standing program are available. The curriculum offers concentrations in Clinical Mental Health, Families and Children, Health, Disabilities and Aging or Community Practice.

Accreditation
This program is accredited by Council on Social Work Education.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

An undergraduate degree in a related discipline is not required, however, students with a bachelor's degree in social work from an accredited program are eligible for advanced standing.

Other requirements to be completed before admission:
A foundation in the liberal arts and one year of work experience in human services is preferred. Work experience may include paid, volunteer, and intern positions.

Special Application Requirements:
In order to apply, applicants are required to submit a specified personal statement, writing sample, resume, transcripts, and three letters of recommendation. All application instructions are posted on the School of Social Work website.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80
Program Requirements

Plan C: Plan C requires 34 to 53 major credits and up to null credits outside the major. The is no final exam.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

The M.S.W. requires 53 credits; a 34-credit advanced standing program is available to graduates of undergraduate social work programs accredited by the Council on Social Work Education. All credits for the M.S.W. can be completed in two years of full-time study, or three years to four years of part-time study, and must be completed within five years of the date of the earliest coursework taken for the degree.

The 53-credit program includes a set of required foundation courses (19 cr), courses from a selected concentration, two field internships, and social work electives.

A maximum of 26 credits may be transferred from the following sources with School of Social Work approval: up to 8 credits as a non-degree-seeking student registered for social work graduate credit at the University of Minnesota; up to 26 credits from another regionally and professionally accredited school of social work if the student was registered as a graduate student in the program.

The 34-credit advanced standing program includes courses from a selected concentration, one field internship, and social work electives. A maximum of 16 credits may be transferred from the following sources with School of Social Work approval: 16 credits completed as a graduate student in another accredited M.S.W. program; up to 6 credits as a non-degree-seeking student registered for social work graduate credit at the University of Minnesota.

Foundations Curriculum- Full Program (53 credit) Students

The 19-credit foundation curriculum is required for full program (53 credit) students. The foundation curriculum is waived for advanced standing students, unless required in a student's conditions of admission. Advanced standing students who receive a grade of B- or less in a BSW class that is comparable to one of our foundation classes may be asked to repeat that content in our MSW program. Students should take 5051 for 2 cr; 5101 for 3 cr; 8010 for 3 cr in fall; 3 cr in spring or 6 cr in summer.

Take exactly 19 credit(s) from the following:
- SW 5051 - Human Behavior and the Social Environment (2.0 - 3.0 cr)
- SW 5101 - Historical Origins and Contemporary Policies and Programs in Social Welfare (3.0 - 4.0 cr)
- SW 8151 - Social Work Methods: Practice With Individuals and Systems (2.0 cr)
- SW 8152 - Social Work Practice Methods: Families and Groups (2.0 cr)
- SW 8153 - Models of Community Intervention (1.0 cr)
- SW 8154 - Organizations and Policy Advocacy (1.0 cr)
- SW 8841 - Social Work Research Methods (2.0 cr)
- SW 8010 - Seminar: Field Practicum I (1.0 - 8.0 cr)

Concentrations

Clinical Mental Health Concentration

Prepares students for advanced clinical social work practice with children, adults and families across diverse settings and populations. Students learn contextually based approaches to mental health diagnostic assessment, treatment and practice evaluation, with a strong focus on client systems experiencing significant mental health risk. In addition to the following requirements, students must complete 5 cr of electives at a minimum of 5-000 level.

Anchor and Boost
- SW 8451 - Assessment and Engagement in Clinical Social Work Practice (3.0 cr)
- SW 8452 - Core Concepts in Clinical Social Work Practice (3.0 cr)

Concentration Electives
Students must take two courses/6 cr of concentration electives.

- SW 8352 - Advanced Practice II: Families and Children (3.0 cr)

or
- SW 8461 - Advanced Clinical Social Work Practice with Adults (3.0 cr)
or SW 8462 - Advanced Clinical Practice With Children and Adolescents (3.0 cr)
or SW 8463 - Social Work Practice With Severe and Persistent Mental Illness and Severe Emotional Disturbance (3.0 cr)

Diversity
SW 8821 - Social Work and Difference, Diversity and Privilege (2.0 cr)

Field Practicum and Advanced Evaluation
SW 8020, Field Practicum II (6 cr) and SW 8842, Advanced Social Work Evaluation (3 cr) must be taken concurrently. SW 8842 must be taken for a total of 3 cr. The credits are split between fall and spring semesters. If a student registers for 2 cr in the fall, they must register for 1 cr in the spring and vice versa. Students taking 8842 in the summer register for 3 cr.

Advanced Standing students will take SW 8030 concurrently with SW 8842.
SW 8020 - Field Practicum II (1.0 - 6.0 cr)
with SW 8842 - Advanced Social Work Evaluation (1.0 - 3.0 cr)

Advanced Policy
SW 8806 - Health and Mental Health Policy (3.0 cr)
or SW 8807 - International and Comparative Social Welfare Policy (3.0 cr)

2nd Focus Anchor
Students must choose one course.
SW 8251 - Social Work Practice in Health, Disabilities, and Aging (3.0 cr)
or SW 8351 - Advanced Practice I: Families and Children (3.0 cr)
or SW 8551 - Advanced Community Practice: Assessment, Organizing, and Advocacy (3.0 cr)

-OR-

Community Practice Concentration
Concentration prepares students to improve the effectiveness and responsiveness of human service systems to mobilize groups for social change, and to serve as catalysts for sustainable development and social justice. Students are prepared to fill a variety of community practice roles-leaders, planners, policy advocates, community organizers, mediators, evaluators and agency administrators in a range of settings. In addition to the following requirements, students must complete 5 cr of electives.

Anchor and Boost
SW 8551 - Advanced Community Practice: Assessment, Organizing, and Advocacy (3.0 cr)
SW 8552 - Advanced Community Practice: Leadership, Planning, and Program Development (3.0 cr)

Concentration Electives
Students must take two courses/6 cr of concentration electives.
SW 5562 - Global Social Work and Social Development (3.0 cr)
or SW 8561 - Human Resources Management in Human Services Agencies (3.0 cr)
or SW 8563 - Advanced Policy Advocacy (3.0 cr)

Diversity
SW 8821 - Social Work and Difference, Diversity and Privilege (2.0 cr)

Field Practicum and Advanced Evaluation
SW 8020, Field Practicum II (6 cr) and SW 8842, Advanced Social Work Evaluation (3 cr) must be taken concurrently. SW 8842 must be taken for a total of 3 cr. The credits are split between fall and spring semesters. If a student registers for 2 cr in the fall, they must register for 1 cr in the spring and vice versa. Students taking 8842 in the summer register for 3 cr.

Advanced Standing students will take SW 8030 concurrently with SW 8842.
SW 8020 - Field Practicum II (1.0 - 6.0 cr)
with SW 8842 - Advanced Social Work Evaluation (1.0 - 3.0 cr)

Advanced Policy
SW 8804 - Child Welfare Policy (3.0 cr)
or SW 8805 - Aging and Disability Policy (3.0 cr)
or SW 8806 - Health and Mental Health Policy (3.0 cr)
or SW 8807 - International and Comparative Social Welfare Policy (3.0 cr)

2nd Focus Anchor
SW 8251 - Social Work Practice in Health, Disabilities, and Aging (3.0 cr)
or SW 8351 - Advanced Practice I: Families and Children (3.0 cr)
or SW 8451 - Assessment and Engagement in Clinical Social Work Practice (3.0 cr)

-OR-

Families and Children Concentration
Prepares students to work with families and children in a range of settings and organizations, as well as influence relevant organizational structures and policies. Students will be able to identify protective supports and develop interventions that mediate risk and promote resilience. In addition to the following requirements, students must complete 5 cr of electives at a minimum of 5-000 level.

Anchor and Boost
SW 8351 - Advanced Practice I: Families and Children (3.0 cr)
SW 8352 - Advanced Practice II: Families and Children (3.0 cr)

Concentration Electives
Students must take two courses/6 cr of concentration electives.
SW 8361 - Identification and Assessment of Family Violence (3.0 cr)
or SW 8363 - Social Work in Child Welfare (3.0 cr)
or SW 8462 - Advanced Clinical Practice With Children and Adolescents (3.0 cr)

Diversity
SW 8821 - Social Work and Difference, Diversity and Privilege (2.0 cr)

Field Practicum and Advanced Evaluation
SW 8020, Field Practicum II (6 cr) and SW 8842, Advanced Social Work Evaluation (3 cr) must be taken concurrently. SW 8842 must be taken for a total of 3 cr. The credits are split between fall and spring semesters. If a student registers for 2 cr in the fall, they must register for 1 cr in the spring and vice versa. Students taking 8842 in the summer register for 3 cr.

Advanced Standing students will take SW 8030 concurrently with SW 8842.
SW 8020 - Field Practicum II (1.0 - 6.0 cr)
with SW 8842 - Advanced Social Work Evaluation (1.0 - 3.0 cr)

Advanced Policy
SW 8804 - Child Welfare Policy (3.0 cr)
or SW 8805 - Aging and Disability Policy (3.0 cr)
or SW 8806 - Health and Mental Health Policy (3.0 cr)
or SW 8807 - International and Comparative Social Welfare Policy (3.0 cr)

2nd Focus Anchor
SW 8251 - Social Work Practice in Health, Disabilities, and Aging (3.0 cr)
or SW 8451 - Assessment and Engagement in Clinical Social Work Practice (3.0 cr)
or SW 8551 - Advanced Community Practice: Assessment, Organizing, and Advocacy (3.0 cr)

-OR-

Health, Disability and Aging Concentration
Prepares students to work with people affected by distince and interconnected issues related to health, disability and aging. Students are prepared to work in a variety of settings such as hospitals, primary care clinics, residential care facilities, hospice, community-based programs, and in policy and advocacy organizations. In addition to the following requirements, students must complete 5 cr of electives at a minimum of 5-000 level.

Anchor and Boost
SW 8251 - Social Work Practice in Health, Disabilities, and Aging (3.0 cr)
SW 8252 - Advanced Interventions and Issues in Health, Disabilities, and Aging (HDA) (3.0 cr)

Concentration Electives
Students must take two courses/6 cr of concentration electives.
SW 8261 - Advanced Social Work Practice in Health Care (3.0 cr)
or SW 8262 - Empowerment Practice With Persons With Disabilities (3.0 cr)
or SW 8263 - Advanced Direct Practice and Community-Based Interventions in Gerontology (3.0 cr)

Diversity
SW 8821 - Social Work and Difference, Diversity and Privilege (2.0 cr)

Field Practicum and Advanced Evaluation
SW 8020, Field Practicum II (6 cr) and SW 8842, Advanced Social Work Evaluation (3 cr) must be taken concurrently. SW 8842 must be taken for a total of 3 cr. The credits are split between fall and spring semesters. If a student registers for 2 cr in the fall, they must register for 1 cr in the spring and vice versa. Students taking 8842 in the summer register for 3 cr.

Advanced Standing students will take SW 8030 concurrently with SW 8842.
SW 8020 - Field Practicum II (1.0 - 6.0 cr)
with SW 8842 - Advanced Social Work Evaluation (1.0 - 3.0 cr)

Advanced Policy
SW 8805 - Aging and Disability Policy (3.0 cr)
or SW 8806 - Health and Mental Health Policy (3.0 cr)

2nd Focus Anchor
SW 8351 - Advanced Practice I: Families and Children (3.0 cr)
or SW 8451 - Assessment and Engagement in Clinical Social Work Practice (3.0 cr)
or SW 8551 - Advanced Community Practice: Assessment, Organizing, and Advocacy (3.0 cr)

Joint- or Dual-degree Coursework: MSW/MPH, MSW/MPP, and MSW/MURP
Student may take a total of 22 credits in common among the academic programs.

Program Sub-plans
A sub-plan is not required for this program.
Students may not complete the program with more than one sub-plan.
Twin Cities Campus
Social Work Ph.D.
School of Social Work
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Social Work, 105 Peters Hall, 1404 Gortner Avenue, St. Paul, MN 55108 (612-625-1220; fax: 612-624-3744)
Email: swadmis@umn.edu
Website: http://cehd.umn.edu/ssw

- Program Type: Doctorate
- Requirements for this program are current for Fall 2014
- Length of program in credits: 64
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Ph.D. program in social work prepares students to provide intellectual leadership for the social work profession through advanced levels of scholarship, research, theory development, and policy analysis. Students are expected to acquire skill in research design and statistics and to develop a comprehensive knowledge of social work and social welfare history, theory, and policy.

The Ph.D. program does not focus on the development of advanced skills for clinical practice. However, students gain knowledge of practice theory and research related to social work practice. Many graduates assume positions as university faculty. Consequently, the program offers opportunities for students to acquire skills in teaching and curriculum development.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A master's degree is required.

Special Application Requirements:
Priority application deadline is Friday, January 2, 2015. Final deadline is Friday, March 6, 2015. Applications received by second deadline will be reviewed and applicants accepted on a space-available basis.

Applicants must submit their test score(s) from the following:
- GRE

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

28 to 32 credits are required in the major.
8 to 12 credits are required outside the major.
24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

The Ph.D. program emphasizes mastery of student and program determined objectives rather than an accumulation of course credits. Degree requirements vary according to the student's background and educational goals. A minimum of 40 credits plus 24 required thesis credits beyond the M.S.W. are required. Required courses include core seminars in social work research, social welfare history, social welfare policy, and theory and model development; a teaching course; a supervised research practicum and practicum seminar (two-semester sequence); supporting program courses (12 credits of supporting program course work is required - eight credits must be taken outside of social work while four credits may be taken in social work); statistics courses (most students take EPSY 8261 and EPSY 8262 but other sequences may be approved by the PhD Committee). Students must also have teaching experience in the School of Social Work while in the program. Students are expected to attend PhD Colloquia and Research Colloquia for at least the first two years of their participation in the program.

Required Courses

SW 8875, Research Practicum, must be taken two semesters for a total of four credits.
SW 8871 - Social Work Research Seminar I (3.0 cr)
SW 8872 - Social Work Research Seminar II (3.0 cr)
SW 8861 - Theory and Model Development in Social Work (3.0 cr)
SW 8855 - Social Policy Formulation and Analysis (3.0 cr)
SW 8851 - Social Welfare History and Historical Research Methods (3.0 cr)
GRAD 8101 - Teaching in Higher Education (3.0 cr)
EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
EPSY 8262 - Statistical Methods II: Regression and the General Linear Model (3.0 cr)
Other sequence of statistics courses may be approved by the PHD Committee.

Supporting Program Coursework

Students must take 12 credits of supporting course work in consultation with their adviser. Eight credits must be taken outside of social work while four credits may be taken in social work.
Twin Cities Campus

Sociocultural Studies in Education Minor
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Graduate free-standing minor
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Sociocultural Studies in Education (SCSE) Minor (previously known as the Social and Philosophic Studies of Education Minor) provides a multidisciplinary foundation for the study of social and cultural phenomena that shape educational ideologies and practices. The Minor enables students to take courses from a variety of social science, humanities, and interdisciplinary fields in order to generate a particular perspective, lens, or optic that can illuminate problems or processes of interest to them.

The SCSE Minor program is shaped to suit the particular needs and interests of the student at either the master's or doctoral level. Courses at either the 5xxx or 8xxx level are selected in consultation with an SCSE faculty member and approved by the SCSE DGS. Courses are generally of two types: those that explicitly draw upon a disciplinary or interdisciplinary perspective to examine educational processes (e.g. Economics of Education); and those that provide an in-depth exploration of a disciplinary or interdisciplinary perspective itself (e.g. Contemporary Political Thought).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
Other requirements to be completed before admission:
Admission to the SCSE Minor is contingent upon prior admission to a University of Minnesota master's or doctoral degree-granting program. Interested students should consult with a SCSE faculty member to develop a proposed course of study, complete the SCSE application form, and submit it to the SCSE DGS. The SCSE DGS reviews applications in consultation with SCSE faculty and notifies applicants of their admission. Students who are admitted into the minor program are required to enlist a member of the SCSE faculty on their master's or doctoral committee. Students may apply to this minor year round.

Special Application Requirements:
The director of graduate studies (DGS) of the SCSE minor must approve the applicant's proposed course of study by signing the student's degree program form in addition to the student's major DGS.

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

Master's or Doctoral

Masters Degree Students
Master's students complete at least 9 graduate credits from the list of approved courses below. These must include a minimum of 3 OLPD course credits and 3 credits from courses outside of OLPD (these courses may be within CEHD). Additional courses may be approved by SCSE faculty in consultation with the SCSE minor DGS.

**OLPD Courses**
- Must take at least 3 cr from the list below
  - Take 1 - 2 course(s) from the following:
    - OLPD 5041 - Sociology of Education (3.0 cr)
    - OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
    - OLPD 5103 - Comparative Education (3.0 cr)
    - OLPD 5107 - Gender, Education, and International Development (3.0 cr)
    - OLPD 5323 - Women in Leadership (3.0 cr)
    - OLPD 5128 - Anthropology of Education (3.0 cr)
    - OLPD 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
    - OLPD 5346 - Politics of Education (3.0 cr)
    - OLPD 5721 - Race and Ethnicity in Higher Education (3.0 cr)
    - OLPD 8022 - Education and Globalization: Anthropological Perspectives (3.0 cr)
    - OLPD 8103 - Comparative Education (3.0 cr)

**Non-OLPD Courses**
- Must take at least 3 cr from the list below
  - Take 1 - 2 course(s) from the following:
    - CI 5136 - History of the American Curriculum (3.0 cr)
    - CI 5137 - Multicultural Gender-Fair Curriculum (3.0 cr)
    - CI 5156 - Popular Culture, Teaching, and Learning (3.0 cr)
    - CI 5641 - Language, Culture, and Education (3.0 cr)
    - CI 8111 - Representations of Knowledge in Curriculum and Culture (1.0 - 3.0 cr)
    - CI 8461 - Sociocultural Theory, Education, and Literacy (3.0 cr)
    - EPSY 5157 - Social Psychology of Education (3.0 cr)
    - CPSY 5251 - Social and Philosophical Foundations of Early Childhood Education (2.0 cr)
    - KIN 5371 - Sport and Society (3.0 cr)
    - SW 5101 - Historical Origins and Contemporary Policies and Programs in Social Welfare (3.0 - 4.0 cr)
    - SW 5802 - Social Welfare History (1.0 cr)
    - AFRO 5103 - World History and Africa (3.0 cr)
    - AFRO 5120 - Social and Intellectual Movements in the African Diaspora (3.0 cr)
    - AFRO 5551 - Methods: Use of Oral Traditions as Resources for History (3.0 cr)
    - AFRO 8554 - Seminar: Gender, Race, Nation, and Policy--Perspectives from Within the African Diaspora (3.0 cr)
    - AMIN 5890 - Problems in American Indian History (3.0 cr)
    - AMPD 8288 - Working in the Global Economy: Readings (3.0 cr)
    - ANTH 5033 - Feminist Anthropology (3.0 cr)
    - ANTH 8001 - Ethnography, Theory, History (3.0 cr)
    - ANTH 8002 - Ethnography: Contemporary Theory and Practice (3.0 cr)
    - ANTH 8207 - Political and Social Anthropology (3.0 cr)
    - ANTH 8215 - Anthropology of Gender (3.0 cr)
    - COMM 5404 - Language and Culture (3.0 cr)
    - COMM 5451W - Intercultural Communication Processes [WI] (3.0 cr)
    - CSDS 8001 - Basic Research Seminar: Comparative Studies in Discourse and Society I (3.0 cr)
    - CSDS 8002 - Basic Research Seminar in Comparative Studies in Discourse and Society II (3.0 cr)
    - CSDS 8910 - Advanced Topics in Comparative Studies in Discourse and Society (3.0 cr)
    - CSDS 8920 - Advanced Topics in Comparative Studies in Discourse and Society (3.0 cr)
    - CL 8362 - Modernity and Its Others (4.0 cr)
    - CSCL 5404 - Introduction to Semiotics (3.0 cr)
    - CSCL 5833 - Marx, Freud, Nietzsche: Intellectual Foundations (3.0 cr)
    - DSSC 8111 - Approaches to Knowledge and Truth: Ways of Knowing in Development Studies and Social Change (2.0 cr)
    - DSSC 8310 - Topics in Development Studies and Social Change (1.0 cr)
    - GWSS 5102 - Feminist Approaches to History (3.0 cr)
    - GWSS 5103 - Feminist Pedagogies (3.0 cr)
    - GWSS 5190 - Topics: Theory, Knowledge, and Power (3.0 cr)
    - GWSS 8101 - Intellectual History of Feminism (3.0 cr)
    - GWSS 8103 - Feminist Theories of Knowledge (3.0 cr)
    - GWSS 8107 - Feminist Pedagogies (3.0 cr)
    - GWSS 8109 - Feminist Knowledge Production (3.0 cr)
    - GWSS 8201 - Feminist Theory and Methods in the Social Sciences (3.0 cr)
    - GLOS 5403 - Human Rights Advocacy (3.0 cr)
    - GLOS 5602 - Other Worlds: Globality and Culture (3.0 cr)
    - HIST 5632 (Inactive) (3.0 cr)
    - HIST 5871 - Readings in U.S. Intellectual History: 19th-20th Centuries (3.0 cr)
• HIST 5932 - The Production of Knowledge, Negotiating the Past, and the Writing of African Histories (3.0 cr)
• HIST 8239 - Readings in Gender, Race, Class, and/or Ethnicity in the United States (3.0 cr)
• HIST 8630 - Seminar in World History (3.0 cr)
• HIST 8961 - Research Seminar: Intellectual History (3.0 cr)
• PHIL 5323 - Education and Social Change [WI] (4.0 cr)
• PHIL 5601 - History of the Philosophy of Science (3.0 cr)
• PHIL 5622 - Philosophy and Feminist Theory (3.0 cr)
• PHIL 8130 - Seminar: Epistemology (3.0 cr)
• PHIL 8131 - Epistemology Survey (3.0 cr)
• PHIL 8133 - Feminist Theories of Knowledge (3.0 cr)
• POL 5253 [inactive] (4.0 cr)
• POL 5275 [inactive] (3.0 cr)
• POL 8215 - Philosophy of Political Inquiry (3.0 cr)
• POL 8225 - American Political Thought (3.0 cr)
• POL 8235 - Democratic Theory (3.0 cr)
• POL 8253 - Late Modern Political Thought (3.0 cr)
• POL 8275 - Contemporary Political Thought (3.0 cr)
• SOC 8211 - Race Relations Theory (3.0 cr)
• SOC 8731 - Sociology of Knowledge (3.0 cr)
• SOC 8735 - Sociology of Culture (3.0 cr)
• PA 5001 - Intellectual Foundations of Public Action (1.5 cr)
• PA 5414 - Child Human Rights: Work and Education (3.0 cr)

-OR-

Doctoral Students

Doctoral students complete at least 12 graduate credits from the list of approved courses below. These must include a minimum of 6 OLPD course credits and 3 credits from courses outside of OLPD (these courses may be within CEHD).

OLPD Courses

Must take at least 6 cr from list below
Take 2 - 3 course(s) from the following:
• OLPD 5041 - Sociology of Education (3.0 cr)
• OLPD 5044 - Introduction to the Economics of Education (3.0 cr)
• OLPD 5103 - Comparative Education (3.0 cr)
• OLPD 5107 - Gender, Education, and International Development (3.0 cr)
• OLPD 5323 - Women in Leadership (3.0 cr)
• OLPD 5128 - Anthropology of Education (3.0 cr)
• OLPD 5132 - Intercultural Education and Training: Theory and Application (3.0 cr)
• OLPD 5346 - Politics of Education (3.0 cr)
• OLPD 5721 - Race and Ethnicity in Higher Education (3.0 cr)
• OLPD 8022 - Education and Globalization: Anthropological Perspectives (3.0 cr)
• OLPD 8103 - Comparative Education (3.0 cr)

Non-OLPD Courses

Must take at least 3 cr from list below
Take 1 - 2 course(s) from the following:
• CI 5136 - History of the American Curriculum (3.0 cr)
• CI 5137 - Multicultural Gender-Fair Curriculum (3.0 cr)
• CI 5156 - Popular Culture, Teaching, and Learning (3.0 cr)
• CI 5641 - Language, Culture, and Education (3.0 cr)
• CI 8111 - Representations of Knowledge in Curriculum and Culture (1.0 - 3.0 cr)
• CI 8461 - Sociocultural Theory, Education, and Literacy (3.0 cr)
• EPSY 5157 - Social Psychology of Education (3.0 cr)
• CPSY 5251 - Social and Philosophical Foundations of Early Childhood Education (2.0 cr)
• KIN 5371 - Sport and Society (3.0 cr)
• SW 5101 - Historical Origins and Contemporary Policies and Programs in Social Welfare (3.0 - 4.0 cr)
• SW 5802 - Social Welfare History (1.0 cr)
• AFRO 5103 - World History and Africa (3.0 cr)
• AFRO 5120 - Social and Intellectual Movements in the African Diaspora (3.0 cr)
• AFRO 5551 - Methods: Use of Oral Traditions as Resources for History (3.0 cr)
• AFRO 8554 - Seminar: Gender, Race, Nation, and Policy--Perspectives from Within the African Diaspora (3.0 cr)
• AMST 8288 - Working in the Global Economy: Readings (3.0 cr)
• ANTH 5033 - Feminist Anthropology (3.0 cr)
• ANTH 8001 - Ethnography, Theory, History (3.0 cr)
• ANTH 8002 - Ethnography: Contemporary Theory and Practice (3.0 cr)
• ANTH 8207 - Political and Social Anthropology (3.0 cr)
• ANTH 8215 - Anthropology of Gender (3.0 cr)
• COMM 5404 - Language and Culture (3.0 cr)
• COMM 5451W - Intercultural Communication Processes [WI] (3.0 cr)
• CSDS 8001 - Basic Research Seminar: Comparative Studies in Discourse and Society I (3.0 cr)
• CSDS 8002 - Basic Research Seminar in Comparative Studies in Discourse and Society II (3.0 cr)
• CSDS 8090 - Advanced Topics in Comparative Studies in Discourse and Society (3.0 cr)
• CL 8362 - Modernity and Its Others (4.0 cr)
• CSCL 5555 - Introduction to Semiotics (3.0 cr)
• CSCL 5833 - Marx, Freud, Nietzsche: Intellectual Foundations (3.0 cr)
• DSSC 8111 - Approaches to Knowledge and Truth: Ways of Knowing in Development Studies and Social Change (2.0 cr)
• DSSC 8310 - Topics in Development Studies and Social Change (1.0 cr)
• GWSS 5102 - Feminist Approaches to History (3.0 cr)
• GWSS 5103 - Feminist Pedagogies (3.0 cr)
• GWSS 5190 - Topics: Theory, Knowledge, and Power (3.0 cr)
• GWSS 8101 - Intellectual History of Feminism (3.0 cr)
• GWSS 8103 - Feminist Theories of Knowledge (3.0 cr)
• GWSS 8107 - Feminist Pedagogies (3.0 cr)
• GWSS 8109 - Feminist Knowledge Production (3.0 cr)
• GWSS 8201 - Feminist Theory and Methods in the Social Sciences (3.0 cr)
• GLOS 5403 - Human Rights Advocacy (3.0 cr)
• GLOS 5602 - Other Worlds: Globality and Culture (3.0 cr)
• HIST 5632 - Intellectual Foundations of Public Action (3.0 cr)
• HIST 5871 - Readings in U.S. Intellectual History: 19th-20th Centuries (3.0 cr)
• HIST 5932 - The Production of Knowledge, Negotiating the Past, and the Writing of African Histories (3.0 cr)
• HIST 8239 - Readings in Gender, Race, Class, and/or Ethnicity in the United States (3.0 cr)
• HIST 8630 - Seminar in World History (3.0 cr)
• HIST 8961 - Research Seminar: Intellectual History (3.0 cr)
• PHIL 5323 - Education and Social Change [WI] (4.0 cr)
• PHIL 5601 - History of the Philosophy of Science (3.0 cr)
• PHIL 5622 - Philosophy and Feminist Theory (3.0 cr)
• PHIL 8130 - Seminar: Epistemology (3.0 cr)
• PHIL 8131 - Epistemology Survey (3.0 cr)
• PHIL 8133 - Feminist Theories of Knowledge (3.0 cr)
• POL 5253 - American Political Thought (3.0 cr)
• POL 5285 - Democratic Theory (3.0 cr)
• POL 8253 - Late Modern Political Thought (3.0 cr)
• POL 8275 - Contemporary Political Thought (3.0 cr)
• SOC 8211 - Race Relations Theory (3.0 cr)
• SOC 8731 - Sociology of Knowledge (3.0 cr)
• SOC 8735 - Sociology of Culture (3.0 cr)
• PA 5001 - Intellectual Foundations of Public Action (1.5 cr)
• PA 5414 - Child Human Rights: Work and Education (3.0 cr)
Twin Cities Campus

Special Education M.Ed.
Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 250 Educational Science Building, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax 612-624-8241)
Email: sped-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych/Programs/SpecialEd/MEd-prospective.html

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30 to 51
- This program requires summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Graduates of the University of Minnesota special education teacher licensure programs are student-centered, collaborative professionals who deliver robust, high-quality, and specialized educational services, adding value to the learning and development of infants, children, and adults with disabilities from diverse cultural backgrounds.

Program graduates are knowledgeable in the following areas:
- Engaging in collaborative problem solving with families and professionals to meet the academic, social, behavioral, and life skills needs of individuals with disabilities;
- Implementing—and supporting others' implementation of—evidence-based instruction and intervention with fidelity to improve student outcomes;
- Using reliable and valid assessment data to make individualized educational decisions;
- Systematically selecting and adapting instructional supports to meet individual needs, based on data and knowledge of individual learning, developmental, cultural differences;
- Maximizing expectations and learning opportunities for individuals with disabilities in the Least Restrictive using the full continuum of services; and
- Upholding principles of professionalism and ethics in their practice.

Accreditation
This program is accredited by NCATE/BOT, Council of Exceptional Children (CEC) and Council on Education of the Deaf (CED).

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Other requirements to be completed before admission:
Experience in working with children and/or people with disabilities is preferred.

Special Application Requirements:
The application deadline is March 1 for summer or fall admission.

Upload the following additional materials into the appropriate areas of the online application:
- One to two page applicant statement outlining goals, interests, experiences, etc.
- Résumé
- Two letters of recommendation [.pdf], preferably from individuals in the education field (for the online application, applicant's will be asked to enter recommenders' information into the online application; a message will be automatically sent to those recommenders with further instructions on how to submit their letters)
- MLTE Basic Skills Tests
- Unofficial transcripts from all collegiate institutions attended (Students who are accepted will need to send official transcripts in a sealed envelope. University of Minnesota graduates need not submit University of Minnesota transcripts to Student Services.)
- International applicants should submit a foreign transcript evaluation from an accredited reviewer (ECS http://www.ece.org/ or WES http://www.wes.org/students/index.asp)

International applicants must submit score(s) from one of the following tests:

- **TOEFL**
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550

- **IELTS**
  - Total Score: 6.5

- **MELAB**
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

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**Program Requirements**

**Plan C:** Plan C requires 30 to 51 major credits and 0 credits outside the major. There is no final exam. A capstone project is required.

**Capstone Project:** A portfolio and integrated paper/mini research project/comprehensive exam is required in conjunction with registration for EPSY 5690. The student and adviser will develop the individual's M.Ed. graduate plan.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 2.80 is required for students to remain in good standing.

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**Program Sub-plans**

Students are required to complete one of the following sub-plans. Students may complete the program with more than one sub-plan.

**Academic Behavioral Strategist**

Professional development in special education offers a program of study that leads to K-12 licensure as an Academic Behavior Strategist (ABS) and an M.Ed. degree. This degree is designed to prepare teachers to work in a variety of educational settings with students who have mild to moderate disabilities. Graduates of the program are student-centered, collaborative professionals who implement evidence-based instructional interventions with fidelity to improve learner outcomes. The program incorporates maximizing learner expectations and learning opportunities including cultural and social diversity. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for students with disabilities and their families.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.

**Required Courses**

- **EPSY 5605** - Collaborative Practices for the Special Educator (3.0 cr)
- **EPSY 5613** - Foundations of Special Education I (3.0 cr)
- **EPSY 5614** - Assessment and Due Process in Special Education (4.0 cr)
- **EPSY 5616** - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- **EPSY 5618** - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- **EPSY 5631** - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- **EPSY 5690** - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

**Electives**

Take 11 - 12 credit(s) from the following:

- **EDHD 5005** - School and Society (2.0 cr)
- **EDHD 5007** - Technology for Teaching and Learning (1.5 cr)
- **EDHD 5009** - Human Relations: Applied Skills for School and Society (1.0 cr)
Autism Spectrum Disorder

Professional development in special education offers a program in Autism Spectrum Disorders (ASD) that leads to Birth-12 licensure and an M.Ed. degree. This degree is designed to prepare teachers to work in a variety of educational settings including home and school based programs with children who have been identified with ASD and their families. Graduates are prepared to assess, analyze, and provide intervention and remediation of academic, social and communicative challenges for students with ASD. This program focuses on the implementation of evidence-based practices, specialized educational services, and outcomes that add value to the learning and development of infants, children and adults with ASD from diverse cultural backgrounds.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.

Required Courses

- EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)
- EPSY 5613 - Foundations of Special Education I (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
- EPSY 5615 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- EPSY 5690 - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

Electives

Take 11 - 12 credit(s) from the following:

- EDHD 5005 - School and Society (2.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
- EPSY 5611W - Research-based Practices in Academic and Behavior Disabilities [WI] (3.0 cr)
- EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5632 - Module 2: Evidence-based Methods for AAC Assessment and Intervention (2.0 cr)
- EPSY 5633 - Module 3: Speech-generating Devices and High-Tech AAC (1.0 cr)
- EPSY 5661 - Introduction to Autism Spectrum Disorder (3.0 cr)
- EPSY 5663 - Assessment and Intervention for Individuals with Autism Spectrum Disorders (3.0 cr)
- EPSY 5681 - Education of Preschool Children With Disabilities: Methods and Materials (3.0 cr)
- EPSY 5701 - Practicum: Field Experience in Special Education (2.0 cr)
- EPSY 5704 - Practicum in Middle/Secondary Settings (1.0 cr)
- EPSY 5705 - Practicum in ECSE/Elementary Settings (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- EPSY 5742 - Student Teaching: Autism Spectrum Disorders (6.0 cr)
- EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

Deaf and Hard of Hearing

The professional development program in special education specializing in deaf/hard of hearing leads to Birth-12 classroom licensure and a M.Ed. degree and is designed to prepare teachers to work in a variety of educational settings.

The program philosophy focuses on cultural and social diversity and meeting the needs of individual students who are deaf or hard of hearing. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for deaf or hard of hearing students and their families, focusing on the objective of providing effective teaching practices and instructional strategies.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.

Required Courses

- EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)
### Developmental Disabilities

The professional development program in special education specializing in developmental disabilities leads to K-12 classroom licensure and a M.Ed. degree and is designed to prepare teachers to work in a variety of educational settings.

The program philosophy focuses on cultural and social diversity and meeting the needs of individual students who have developmental disabilities. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for students with developmental disabilities and their families, focusing on the objective of providing effective teaching practices and instructional strategies.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.

#### Required Courses
- EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)
- EPSY 5613 - Foundations of Special Education I (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- EPSY 5690 - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

#### Electives
Take 11 - 12 credit(s) from the following:
- EDHD 5005 - School and Society (2.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
- EPSY 5611W - Research-based Practices in Academic and Behavior Disabilities [WI] (3.0 cr)
- EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5621 - Assessment and Instructional Design for Students with Developmental Disabilities (3.0 cr)
- EPSY 5622 - Programs and Curricula for Students with Developmental Disabilities (3.0 cr)
- EPSY 5623 - Biomedical and Physical Impairments of Students with Developmental Disabilities (2.0 cr)
- EPSY 5624 - Module 2: Evidence-based Methods for AAC Assessment and Intervention (2.0 cr)
- EPSY 5631 - Module 3: Speech-generating Devices and High-Tech AAC (1.0 cr)
- EPSY 5636 - Sensory Impairments of Students With Developmental Disabilities (2.0 cr)
- EPSY 5670 - Practicum: Field Experience in Special Education (2.0 cr)
- EPSY 5691 - Independent Study in Educational Psychology (1.0 - 8.0 cr)
• EPSY 5706 - Practicum in Moderate to Severe Developmental Disabilities (2.0 cr)
• EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
• EPSY 5755 - Student Teaching: Developmental Disabilities, Mild/Moderate (1.0 - 6.0 cr)
• EPSY 5756 - Student Teaching: Developmental Disabilities, Moderate/Severe (1.0 - 6.0 cr)
• EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

Early Childhood Special Education
The professional development program in special education specializing in early childhood special education (ECSE) leads to teaching licensure for work with children from birth through age five as well as a M.Ed. This program is designed to prepare teachers to work in a variety of educational settings, including home and school, with children who have a variety of developmental delays and disabilities.

The ECSE program philosophy focuses on cultural and social diversity and meeting the needs of individual children who have disabilities. Further, the ECSE program emphasizes the delivery of evidence-based practices within the natural routines of families and preschools when addressing the individualized needs of children. Graduates are prepared to assess, analyze, monitor, and problem solve the developmental and educational needs of young children and their families. With that, graduates of the ECSE program are prepared to be leaders in the field for the identification early intervention needs, provision of research-based services, and facilitation of successful transitions to kindergarten.

Students complete 30-31 credits: 18 credits required courses and 12-13 credits electives. Additional credits (25-30) are required for adding licensure to degree.

Required Courses
EPSY 5609 - Family-centered Services (2.0 cr)
EPSY 5613 - Foundations of Special Education I (3.0 cr)
EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
EPSY 5690 - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

Electives
Take 12 - 13 credit(s) from the following:
- CPSY 5252W - Facilitating Social and Emotional Learning in Early Childhood Education [WI] (3.0 cr)
- CPSY 5253 - Facilitating Cognitive and Language Learning in Early Childhood Education (3.0 cr)
- CPSY 5254 - Facilitating Creative and Motor Learning in Early Childhood Education (2.0 cr)
- EDHD 5005 - School and Society (2.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
- EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5625 - Education of Infants, Toddlers, and Preschool Children with Disabilities: Introduction (2.0 cr)
- EPSY 5681 - Education of Preschool Children With Disabilities: Methods and Materials (3.0 cr)
- EPSY 5682 - Education of Infants and Toddlers with Disabilities: Methods and Materials (3.0 cr)
- EPSY 5701 - Practicum: Field Experience in Special Education (2.0 cr)
- EPSY 5704 - Practicum in Middle/Secondary Settings (1.0 cr)
- EPSY 5705 - Practicum in ECSE/Elementary Settings (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- EPSY 5761 - Student Teaching in Early Childhood Special Education Settings for Children Aged Three to Five Years (3.0 cr)
- EPSY 5762 - Student Teaching in Early Childhood Special Education for Children Aged Birth to Three Years (3.0 cr)
- EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

Emotional and Behavioral Disabilities
The professional development program in special education specializing in emotional and behavioral disorders leads to K-12 classroom licensure and a M.Ed. degree and is designed to prepare teachers to work in a variety of educational settings.

The program philosophy focuses on cultural and social diversity and meeting the needs of individual students who have emotional and behavioral disorders. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for students with emotional and behavioral disorders and their families, focusing on the objective of providing effective teaching practices and instructional strategies.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.
Required Courses

- EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)
- EPSY 5613 - Foundations of Special Education I (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- EPSY 5690 - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

Electives

Take 11 - 12 credit(s) from the following:
- EDHD 5005 - School and Society (2.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
- EPSY 5611W - Research-based Practices in Academic and Behavior Disabilities [WI] (3.0 cr)
- EPSY 5612 - Understanding of Academic Disabilities (3.0 cr)
- EPSY 5615 - Advanced Academic Interventions (3.0 cr)
- EPSY 5617 - Academic and Social Interventions for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5629 - Strategic Instructional Methods for Students Academically At-Risk (3.0 cr)
- EPSY 5656 - Advanced Issues in Emotional Behavior Disorders (3.0 cr)
- EPSY 5657 - Interventions for Behavioral Problems in School Settings (3.0 cr)
- EPSY 5658 - Characteristics of Moderate to Severe Emotional/Behavioral Disorders (3.0 cr)
- EPSY 5701 - Practicum: Field Experience in Special Education (2.0 cr)
- EPSY 5704 - Practicum in Middle/Secondary Settings (1.0 cr)
- EPSY 5705 - Practicum in ECSE/Elementary Settings (1.0 cr)
- EPSY 5708 - Practicum in Moderate to Severe Emotional/Behavioral Disorders (3.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- EPSY 5754 - Student Teaching: Social and Emotional Disabilities (1.0 - 6.0 cr)
- EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

Learning Disabilities

The professional development program in special education specializing in learning disabilities leads to K-12 classroom licensure and a M.Ed. degree. It is designed to prepare teachers to work in a variety of educational settings.

The program philosophy focuses on cultural and social diversity, and meeting the needs of individual students who have learning disabilities. Graduates are prepared to assess, analyze, and problem solve the challenges of learning for students with learning disabilities and their families, focusing on the objective of providing effective teaching practices and instructional strategies.

Students complete 30-31 credits: 19 credits required courses and 11-12 credits electives. Additional credits (25-30) are required for adding licensure to degree.

Required Courses

- EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)
- EPSY 5613 - Foundations of Special Education I (3.0 cr)
- EPSY 5614 - Assessment and Due Process in Special Education (4.0 cr)
- EPSY 5616 - Classroom Management and Behavior Analytic Problem Solving (3.0 cr)
- EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- EPSY 5631 - Module 1: Introduction to Augmentative and Alternative Communication (1.0 cr)
- EPSY 5690 - Experimental Teaching Seminar: MEd Culminating Project (2.0 cr)

Electives

Take 11 - 12 credit(s) from the following:
- EDHD 5005 - School and Society (2.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
- EPSY 5114 - Psychology of Student Learning (3.0 cr)
- EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
- EPSY 5611W - Research-based Practices in Academic andBehavior Disabilities [WI] (3.0 cr)
- EPSY 5612 - Understanding of Academic Disabilities (3.0 cr)
- EPSY 5615 - Advanced Academic Interventions (3.0 cr)
- EPSY 5617 - Academic and Social Interventions for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
- EPSY 5627 - Seminar: Advanced issues in Learning Disabilities (3.0 cr)
• EPSY 5628 - Characteristics of Moderate to Severe Learning Disabilities (3.0 cr)
• EPSY 5629 - Strategic Instructional Methods for Students Academically At-Risk (3.0 cr)
• EPSY 5656 - Advanced Issues in Emotional Behavior Disorders (3.0 cr)
• EPSY 5657 - Interventions for Behavioral Problems in School Settings (3.0 cr)
• EPSY 5701 - Practicum: Field Experience in Special Education (2.0 cr)
• EPSY 5704 - Practicum in Middle/Secondary Settings (1.0 cr)
• EPSY 5705 - Practicum in ECSE/Elementary Settings (1.0 cr)
• EPSY 5707 - Practicum in Moderate to Severe Learning Disabilities (3.0 cr)
• EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
• EPSY 5752 - Student Teaching: Learning Disabilities (1.0 - 6.0 cr)
• EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)

Teacher Licensure Exempt
This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

Students in the M.Ed. program in special education who do not hold a valid Minnesota elementary, secondary, or K-12 classroom teaching license must complete additional foundational education coursework to be eligible for a license to teach in their specialization area. This is called the classroom teaching license exemption (TLE), and the coursework is in compliance with the exemption requirements of the Minnesota Board of Teaching.

Students take 21.5 - 30.5 credits depending on which M.Ed. subplan they are concurrently enrolled in. Students will take 30-31 credits for the concurrent subplan with 10.5 required credits also satisfying TLE required coursework.

Required Courses
Students must take these courses. Students must take CPSY 2301 if they have no previous child psychology or individual differences coursework.

EDHD 5005 - School and Society (2.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
PUBH 6003 - Fundamentals of Alcohol and Drug Abuse for Teacher Education (1.0 cr)
EPSY 5114 - Psychology of Student Learning (3.0 cr)
  or EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
EPSY 5619 - Specialized Interventions in Mathematics for Students with Mild to Moderate Disabilities (3.0 cr)
  or MTHE 5355 - Mathematics for Diverse Learners (3.0 cr)

General Ed Practicum
CPSY 5281 must be taken for 3 credits. Consult with adviser.

EPSY 5701 - Practicum: Field Experience in Special Education (2.0 cr)
or EPSY 5705 - Practicum in ECSE/Elementary Settings (1.0 cr)
or CPSY 5281 - Student Teaching in Early Childhood Education (1.0 - 6.0 cr)

Student Teaching
Students take 3-6 credits; course(s) depend on M.Ed. subplan (consult with adviser).

EPSY 5741 - Student Teaching: Academic and Behavioral Strategist (6.0 cr)
or EPSY 5742 - Student Teaching: Autism Spectrum Disorders (6.0 cr)
or EPSY 5751 - Student Teaching: Deaf and Hard of Hearing (1.0 - 6.0 cr)
or EPSY 5752 - Student Teaching: Learning Disabilities (1.0 - 6.0 cr)
or EPSY 5754 - Student Teaching: Social and Emotional Disabilities (1.0 - 6.0 cr)
or EPSY 5755 - Student Teaching: Developmental Disabilities, Mild/Moderate (1.0 - 6.0 cr)
or EPSY 5756 - Student Teaching: Developmental Disabilities, Moderate/Severe (1.0 - 6.0 cr)
or EPSY 5761 - Student Teaching in Early Childhood Special Education Settings for Children Aged Three to Five Years (3.0 cr)
or EPSY 5762 - Student Teaching in Early Childhood Special Education for Children Aged Birth to Three Years (3.0 cr)

K-12 Requirements
Students in all M.Ed. subplans (except ECSE) must take these courses.

EPSY 5604 - Transition From School to Work and Community Living for Persons With Special Needs (3.0 cr)
EPSY 5605 - Collaborative Practices for the Special Educator (3.0 cr)

ECSE Requirements
Students in the ECSE subplan must take these courses.

EPSY 5609 - Family-centered Services (2.0 cr)
CPSY 5262W - Facilitating Social and Emotional Learning in Early Childhood Education [WI] (3.0 cr)
CPSY 5253 - Facilitating Cognitive and Language Learning in Early Childhood Education (3.0 cr)
CPSY 5254 - Facilitating Creative and Motor Learning in Early Childhood Education (2.0 cr)
**Twin Cities Campus**

Specialist in Education and General Education Administration Certificate  
Organizational Leadership, Policy and Development  
College of Education and Human Development

Link to a list of faculty for this program.

**Contact Information:**  
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455  
(612-624-1006; fax 612-624-3377)  
Email: olpd@umn.edu  
Website: [http://www.cehd.umn.edu/olpd](http://www.cehd.umn.edu/olpd)

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement  
- Requirements for this program are current for Fall 2014  
- Length of program in credits: 60  
- This program does not require summer semesters for timely completion.  
- Degree: Certificate of Specialist in Educ/Genl Educ/Admin

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The Department of Organizational Leadership, Policy, and Development is a leader in advancing knowledge about educational and organizational change in local, national, and international contexts. Our research, teaching, and outreach reflect a commitment to interdisciplinary and intercultural engagement with educators, scholars, and policy makers seeking to enhance leadership, policy, and development around the globe. Students in the M.A. and Ph.D. programs choose from one of five complementary but distinct program tracks: education policy and leadership (EPL), evaluation studies (ES), higher education (HE), comparative and international development education (CIDE), and Human Resource Development (HRD). Our undergraduate programs focus on human resource development and business and marketing education. In addition, the department offers a variety of programs for practicing professionals and various licensure programs.

**Program Delivery**  
This program is available:  
- via classroom (the majority of instruction is face-to-face)

**Prerequisites for Admission**

**Special Application Requirements:**  
Note: Applications to this certificate currently are not being accepted.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

**Program Requirements**  
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

This program's structure is currently under review. In the past, it has been customized based on the student's prior coursework. A final paper is required for completion.
Twin Cities Campus
Specialist in Education and Special Education Administration Certificate
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 60
- This program does not require summer semesters for timely completion.
- Degree: Certificate of Specialist in Educ/Spec Educ

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

This program is not accepting new students.

The Department of Organizational Leadership, Policy, and Development prepares administrators, scholars, and analysts for leadership roles in education. The department is committed to the preparation of leaders who can act effectively and ethically within the structures, processes, and cultural contexts of organized education.

The department also offers various certificate programs (including program evaluation, staff development, disability policy and services, and preK-12 administration), an individualized concentration in youth leadership development, and minors in international education, social and philosophic studies of education, and program evaluation. See the department website for details on minors and certificate programs.

These graduate programs incorporate relevant knowledge from the behavioral and social sciences and the humanities, with primary reliance on sociology, management science, political science, psychology, public affairs, economics, philosophy, history, and anthropology.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
This program is not accepting new students

Applicants must submit their test score(s) from the following:
- GRE

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80
Key to test abbreviations (GRE, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

This certificate is not accepting new students.

The specialist certificate required a minimum of 60 credits of which at least 30 credits had to be in educational administration, 3 credits in leadership, 3 credits in policy; at least 6 credits in curriculum and instruction; at least 9 credits taken outside of educational administration (collateral field) and/or in additional certificate or licensure areas in educational policy and leadership; and a course in human relations.
Twin Cities Campus
Sport Management M. A.
Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700)
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 36
- This program does not require summer semesters for timely completion.
- Degree: Master of Arts

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of arts in sport management provides academic excellence by combining theoretical instruction and practical experience to prepare tomorrow's leaders for success in the sports industry and marketplace. Students develop the tools of research and learn core concepts through an interdisciplinary curriculum with an emphasis on cultivating new ideas and improving operations in the sport industry.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:
Applicants must submit a University of Minnesota application which includes a written statement of academic interests, goals, and objectives; scores from the General Test of the GRE (verbal, quantitative, and analytical writing) or the GMAT (verbal, quantitative, and analytical writing) that are less than five years old; three letters of recommendation from persons familiar with their scholarship and research potential; a scholarly writing sample; and transcripts. Submission of all application materials by December 15 is strongly encouraged to ensure priority consideration for admission and for teaching and research assistantships awarded for the next academic year. Students are admitted for the fall semester.

Applicants must submit their test score(s) from the following:
- GRE
  - General Test - Verbal Reasoning: 153
  - General Test - Quantitative Reasoning: 153
  - General Test - Analytical Writing: 4.5
- GMAT
  - Verbal section score: 33
  - Quantitative section score: 44
  - Analytical writing assessment score: 5

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Listening Score: 14
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Internet Based - Speaking Score: 23
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
• MELAB
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (GRE, GMAT, TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

Plan A:
Plan A requires 16 major credits, 10 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B:
Plan B requires 20 major credits and 16 credits outside the major. The final exam is oral. A capstone project is required.

Capstone Project:
The Plan B project is an independent research project with the adviser that meets the following guidelines: involves a total of approximately 120 hours of work; demonstrates familiarity with the tools of research and scholarship in the field of sport management; demonstrates the ability to work independently; demonstrates the ability to effectively present the results of the investigation.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.00 is required for students to remain in good standing.

The M.A. is offered under Plan A and Plan B. Plan A requires 36 credits, including 16 core course credits, 6 research core course credits, 4 elective credits, and 10 thesis credits (8777). The program must include 6 course credits in a minor or related field. Plan B also requires 36 credits, including 16 core course credits, 6 research core course credits, 10 elective credits, and 4 credits of a research project (8995). The program must include 6 course credits in a minor or related field (non-KIN courses). A GPA of at least 3.00 is required to maintain good standing and to graduate. A maximum of 9 credits of 4xxx-level courses are allowed at the discretion of the adviser.

Required core courses in sport management
KIN 5801 - Legal Aspects of Sport and Recreation (4.0 cr)
KIN 5631 - Programming and Promotion in Sport (3.0 cr)
KIN 5421 - Sport Finance (3.0 cr)
KIN 5601 - Sport Management Ethics and Policy (3.0 cr)
KIN 5725 - Organization and Management of Physical Education and Sport (3.0 cr)

Required research core courses
KIN 5981 - Research Methodology in Kinesiology, Recreation, and Sport (3.0 cr)

One additional research analysis course can be taken from the following list (or consult with adviser):
Take 3 or more credit(s) from the following:
  • EPSY 5261 - Introductory Statistical Methods (3.0 cr)
  • EPSY 8261 - Statistical Methods I: Probability and Inference (3.0 cr)
  • FSOS 8013 - Qualitative Family Research Methods (3.0 cr)

Electives
For Plan A, a minimum of 4 credits are required and may from chosen from the following list. For Plan B, a minimum of 10 credits are required and may be chosen from the following list. Students must consult with the adviser on selection of courses. Registration for KIN 5992, KIN 5995, and KIN 5720 is limited to 3 credits.
KIN 5111 - Sports Facilities (3.0 cr)
 KIN 5115 - Event Management in Sport (3.0 cr)
 KIN 5461 - Issues in the Sport Industry (3.0 cr)
 KIN 5371 - Sport and Society (3.0 cr)
 KIN 5511 - Sport and Gender (3.0 cr)
 KIN 5720 - Special Topics in Kinesiology (2.0 - 4.0 cr)
 KIN 5992 - Readings in Kinesiology (1.0 - 9.0 cr)
 KIN 5995 - Research Problems in Applied Kinesiology (1.0 - 6.0 cr)
 REC 5701 [Inactive] (3.0 cr)
 ABUS 4104 - Management and Human Resource Practices (3.0 cr)
Minor or related field
For Plan A and Plan B, a minimum of 6 semester credits in one or more related fields (not KIN prefix) is required. The KIN sport management courses are cross-listed with REC. Courses in the minor or supporting program may be chosen from any field selected by the student and the adviser according to the student's prior academic background and career goals, and are subject to the adviser's approval.

Thesis Credits: Master's

Plan A
Take 10 or more credit(s) from the following:
• KIN 8777 - Thesis Credits: Master's (1.0 - 18.0 cr)

-OR-

Plan B
Take 4 or more credit(s) from the following:
• KIN 8995 - Research Problems in Kinesiology (1.0 - 12.0 cr)
Twin Cities Campus
Sport Management Minor
Kinesiology, School of
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Kinesiology, 1900 University Avenue S.E., Minneapolis, MN 55455 (612-625-5300; fax: 612-626-7700)
Email: kin@umn.edu
Website: http://cehd.umn.edu/kin

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2014
- Length of program in credits (Masters): 6
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Sport management is an interdisciplinary field that provides students with academic training and field experience for careers in sport and fitness management professions. The sport management program encompasses many different subjects, including sociology, business, marketing, communications, and psychology.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A sport management master's minor requires at least 6 credits of graduate-level sport management courses chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.

Program Sub-plans
Students are required to complete one of the following sub-plans.
Students may not complete the program with more than one sub-plan.

Master's
A sport management master's minor requires at least 6 credits of graduate-level sport management courses chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.

Minor Requirements
A sport management master's minor requires at least 6 credits of graduate-level sport management courses chosen in consultation with the student's major adviser and the School of Kinesiology's director of graduate studies.
Twin Cities Campus
Talent Development and Gifted Education Postbaccalaureate Certificate
Educational Psychology
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Educational Psychology, 56 East River Road, Minneapolis, MN 55455 (612-624-6083; fax: 612-624-8241)
Email: psyf-adm@umn.edu
Website: http://www.cehd.umn.edu/edpsych

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Talent Development/Gifted Education PBac Cert Grad

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

This 12-credit certificate program is intended to give teachers, administrators, education professionals, and other individuals with an interest in the education of gifted and talented students the opportunity to obtain the knowledge and skills necessary to develop, implement, and supervise programs in the education of gifted and talented students.

Program Delivery
This program is available:
• primarily online (at least 80% of the instruction for the program is online with short, intensive periods of face-to-face coursework)

Prerequisites for Admission
Special Application Requirements:
Applicants to this post-baccalaureate certificate must have completed a bachelor's degree from an accredited institution. Student applications will be reviewed by a committee of individuals affiliated with the program. Detailed application instructions are available at the Educational Psychology website under the certificates link. Applications are accepted year-round.

Applicants must submit the following application materials:
- Unofficial transcripts from all post-secondary institutions attended or currently attending, including the University of Minnesota. Transcripts can be uploaded directly into the Apply Yourself online application system (see Educational Psychology's program website).
- For coursework completed outside of the United States, transcripts must be evaluated by a professional credential evaluation center. Request a 'course-by-course' evaluation. This process can take 4-6 weeks; please plan accordingly. Students can use any provider that is an accredited member of the National Association of Credential Evaluation Services (NACES). A suggested provider is Educational Credential Evaluators (ECE), P.O. Box 514070, Milwaukee, WI 53203-3470 (414-289-3400, fax: 414-289-3411).
- Answer the following certificate-specific questions on a separate sheet of paper and upload into the online application system: 1) Why are you interested in the talent development and gifted education certificate program? 2) What are your primary areas of interest related to talent development and gifted education?

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Required Courses
EPSY 5991 should be taken for 3 credits.
EPSY 5101 - Intelligence and Creativity (3.0 cr)
EPSY 5191 - Education of the Gifted and Talented (3.0 cr)
EPSY 5991 - Independent Study in Educational Psychology (1.0 - 8.0 cr)
**Elective course**

One course (minimum 3 credits) selected with the approval of the certificate program director. Examples include coursework in learning and cognition, social psychology of education, measurement, or coursework in another discipline such as curriculum and instruction, educational administration, child development, or psychology.
Twin Cities Campus
Teaching M.Ed.
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, University of Minnesota, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455
(612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://www.cehd.umn.edu/ci

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 33 to 52
- This program requires summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of education (M.Ed.)/initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

Accreditation
This program is accredited by Minnesota Board of Teaching and the NCATE (National Council for Accreditation of Teacher Education).

Program Delivery
This program is available:
  - via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Other requirements to be completed before admission:
Each program area has a subset of prerequisite courses. A transcript review is recommended to be completed before applying in order to determine if an applicant is ready to apply or should continue to work on additional prerequisite coursework. Unofficial transcript(s) can be submitted for evaluation to the attention of the appropriate C&I M.Ed. adviser. Students with international coursework must arrange for a transcript evaluation from a foreign transcript evaluation service.

When ready to apply, applicants must submit the following materials in the online application system:
- Upload unofficial transcripts from all schools attended, even if a degree was not earned.
- Classroom experience with appropriate grade levels (100 paid or unpaid hours) - reported in the online application
- Additional related hours and experience - reported in the online application
- Upload personal statements
- Two letters of recommendation
- Upload TOEFL/IELTS/MELAB score (if applicable)

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

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Information current as of September 19, 2014
The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements

**Plan C:** Plan C requires 33 to 52 major credits and up to null credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Language Requirement: For language specific sub-plans only

A minimum GPA of 2.80 is required for students to remain in good standing.

Program Sub-plans

Students are required to complete one of the following sub-plans. Students may complete the program with more than one sub-plan.

**Arabic**

This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least “advanced low” on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Arabic sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

- EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
- EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
- EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
- CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
- CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
- CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
- CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
or CI 5641 - Language, Culture, and Education (3.0 cr)
or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Art
This sub-plan is limited to students completing the program under Plan C.

The art education initial licensure program at the University of Minnesota is designed to help students become inquiring, analytical, and reflective professional educators who can help all students understand and appreciate art. The program seeks to develop thoughtful practitioners who are enthusiastic about and prepared for leadership roles in the schools.

Master of education (M.Ed.)/initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Art sub-plan requires a minimum of 32.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5008 should be taken for 2 credits. CI 5049 and CI 5075 should each be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5008 - Theory and Practice of Teaching Art in Elementary Schools (1.0 - 2.0 cr)
CI 5049 - Art Media Techniques (1.0 - 4.0 cr)
CI 5065 - Improving Art Programs in the Schools (3.0 cr)
CI 5069 - Curriculum Innovations in Art Education (3.0 cr)
CI 5075 - The Social and Historical Foundations of Art Education (1.0 - 3.0 cr)
CI 5078 - Application of Aesthetic Theory in Education (2.0 cr)

Electives
A minimum of three credits taken in consultation with your faculty adviser.

Chemistry
This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence. The college offers a solid mix of theory and practice, as well as all of the resources that come with studying at a top research institution.

M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Chemistry sub-plan requires a minimum of 39.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework

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Information current as of September 19, 2014
EDHD 5008 and EPSY 5720 should each be taken for 2 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
CI 5530 - Secondary Science Teaching: Laboratory-based Instruction (3.0 cr)
CI 5531 - Teaching Middle School Science (3.0 cr)
CI 5532 - Teaching Secondary School Science (3.0 cr)
CI 5541 - Teaching History and Nature of Science (3.0 cr)
CI 5596 - Clinical Experience in Middle School Science (4.0 cr)
Electives
A minimum of nine credits is required. If student chooses to complete CI 5540, it should be taken for 3 credits one time only.
CI 5535 - Foundations of Science Education (3.0 cr)
 or CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)
 or CI 5539 - Improving Secondary Science Instruction: Surviving the First Two Years (3.0 cr)
 or CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)

Chinese
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

The Teaching M.Ed. - Chinese sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Classrooms (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
 or CI 5641 - Language, Culture, and Education (3.0 cr)
 or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
 or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
 or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
 or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Earth Science
This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence, by taking advantage of the college's solid mix of theory and practice, as well as all the resources that come with studying at a top research institution.

M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Earth Science sub-plan requires a minimum of 39.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 and EPSY 5720 should each be taken for 2 credits.

- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- CI 5530 - Secondary Science Teaching: Laboratory-based Instruction (3.0 cr)
- CI 5531 - Teaching Middle School Science (3.0 cr)
- CI 5532 - Teaching Secondary School Science (3.0 cr)
- CI 5541 - Teaching History and Nature of Science (3.0 cr)
- CI 5596 - Clinical Experience in Middle School Science (4.0 cr)

**Electives**

A minimum of nine credits is required. If student chooses to complete CI 5540, it should be taken for 3 credits one time only.

- CI 5535 - Foundations of Science Education (3.0 cr)
- CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)
- CI 5539 - Improving Secondary Science Instruction: Surviving the First Two Years (3.0 cr)
- CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)

**Elementary**

This sub-plan is limited to students completing the program under Plan C.

The elementary education initial licensure program is designed to help students become inquiring, analytical, and reflective professional educators who can help students succeed in school. The program also seeks to develop thoughtful practitioners who are enthusiastic about and prepared for leadership roles in the schools.

The M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Elementary sub-plan requires a minimum of 51.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

The Teaching M.Ed. - Elementary sub-plan for transitioners from the U of MN B.S. Elementary Education Foundations degree requires a minimum of 39 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**Elementary Education sub-plans**

**Elementary Education**

Total: 51.5 credits

**M.Ed. Required Coursework**

- EPSY 5720 should be taken for 2 credits
- EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
EDHD 5005 - School and Society (2.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5009 - Human Relations: Applied Skills for School and Society (1.0 cr)
EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
CI 5111 - Introduction to Elementary School Teaching (3.0 cr)
CI 5283 - Practicum: Applying Instructional Methods in the Elementary Classroom (3.0 cr)
CI 5285 - Clinical Experience in Elementary School Teaching (12.0 cr)
CI 5286 - Student Teaching Seminar: Elementary Education (3.0 cr)
CI 5287 - Capstone Project: Improvement of Teaching in Elementary and Pre-Kindergarten Schools (3.0 cr)
CI 5425 - Reading Instruction in the Elementary Grades (3.0 cr)
CI 5426 - Language Arts Instruction in the Elementary Grades (3.0 cr)
CI 5502 - Science Instruction in the Elementary Grades (3.0 cr)
CI 5645 - Teaching English Learners in the Elementary Classroom (3.0 cr)
CI 5702 - Social Studies Instruction in the Elementary Grades (3.0 cr)
CI 5822 - Mathematics Instruction in the Elementary Grades (3.0 cr)

-OR-

Elementary Education - U of MN B.S. Degree Transitioners
Total: 39 credits

M.Ed. Required Coursework
CI 5283 - Practicum: Applying Instructional Methods in the Elementary Classroom (3.0 cr)
CI 5285 - Clinical Experience in Elementary School Teaching (12.0 cr)
CI 5286 - Student Teaching Seminar: Elementary Education (3.0 cr)
CI 5287 - Capstone Project: Improvement of Teaching in Elementary and Pre-Kindergarten Schools (3.0 cr)
CI 5425 - Reading Instruction in the Elementary Grades (3.0 cr)
CI 5426 - Language Arts Instruction in the Elementary Grades (3.0 cr)
CI 5502 - Science Instruction in the Elementary Grades (3.0 cr)
CI 5645 - Teaching English Learners in the Elementary Classroom (3.0 cr)
CI 5702 - Social Studies Instruction in the Elementary Grades (3.0 cr)
CI 5822 - Mathematics Instruction in the Elementary Grades (3.0 cr)

English
This sub-plan is limited to students completing the program under Plan C.

The English education initial licensure program is designed to develop inquiring, analytical, and reflective professional educators prepared to teach in the classroom and lead in the schools. These educators can help students succeed in mastering a wide range of written and spoken communication skills.

The M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - English sub-plan requires a minimum of 36.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5441 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5441 - Teaching Literature in the Secondary School (2.0 - 3.0 cr)
CI 5451 - Teaching Reading in Middle and Secondary Grades (3.0 cr)
CI 5461 - Teaching Composition in the Secondary School (2.0 cr)
CI 5481 - Developments in Teaching English and Speech (3.0 cr)

Electives
A minimum of 12 credits is required. If student chooses CI 5410, the course should be taken for 3 credits.
CI 5410 - Special Topics in the Teaching of Literacy (1.0 - 3.0 cr)
or CI 5422 - Teaching Writing in Schools (3.0 cr)
or CI 5442 - Literature for Adolescents (3.0 cr)
or CI 5462 - Evaluating and Assessing Writing (3.0 cr)
or CI 5472 - Teaching Film, Television, and Media Studies (3.0 cr)
or CI 5475 - Teaching Digital Writing: Blogs, Wikis, Online Talk, Podcasting, and E-Portfolios to Teach Writing (3.0 cr)
or CI 5641 - Language, Culture, and Education (3.0 cr)
or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)

**English as a Second Language**

This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching—a nationally recognized approach to teacher education.

The Teaching M.Ed. - ESL sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
or CI 5641 - Language, Culture, and Education (3.0 cr)
or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**French**

This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching—a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least “advanced low” on the Oral Proficiency Interview (OPI).
The Teaching M.Ed. - French sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.

**EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)**

**EDHD 5007 - Technology for Teaching and Learning (1.5 cr)**

**EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)**

**EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)**

**EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)**

**EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)**

**EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)**

**EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)**

**EDHD 5017 - Academic Language and English Learners (1.0 cr)**

**EDHD 5018 - Academic Language and English Learners (1.0 cr)**

**EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)**

**CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)**

**CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)**

**CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)**

**CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)**

**CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)**

**CI 5646 - English Grammar for ESL Teachers (3.0 cr)**

**CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)**

**LING 5001 - Introduction to Linguistics (4.0 cr)**

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.

- **CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)**
- **CI 5641 - Language, Culture, and Education (3.0 cr)**
- **CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)**
- **CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)**
- **CI 5658 - Foreign Language Testing and Assessment (3.0 cr)**
- **CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)**

**General Science**

This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence, taking advantage of the college's solid mix of theory and practice, as well as all the resources that come with studying at a top research institution.

M.Ed./initial licensure programs are for individuals with bachelor’s degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - General Science sub-plan requires a minimum of 39.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 and EPSY 5720 should each be taken for 2 credits.

**EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)**

**EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)**

**EDHD 5007 - Technology for Teaching and Learning (1.5 cr)**

**EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)**

**EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)**

**EDHD 5017 - Academic Language and English Learners (1.0 cr)**

**EDHD 5018 - Academic Language and English Learners (1.0 cr)**

**EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)**

**EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)**

**CI 5530 - Secondary Science Teaching: Laboratory-based Instruction (3.0 cr)**

**CI 5531 - Teaching Middle School Science (3.0 cr)**

**CI 5532 - Teaching Secondary School Science (3.0 cr)**

**CI 5541 - Teaching History and Nature of Science (3.0 cr)**

**CI 5596 - Clinical Experience in Middle School Science (4.0 cr)**
Electives
A minimum of nine credits is required. If student chooses to complete CI 5540, it should be taken for 3 credits one time only.

CI 5535 - Foundations of Science Education (3.0 cr)
or CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)
or CI 5539 - Improving Secondary Science Instruction: Surviving the First Two Years (3.0 cr)
or CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)

German
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - German sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
CI 5641 - Language, Culture, and Education (3.0 cr)
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Hebrew
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following...
licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Hebrew sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
ci CI 5641 - Language, Culture, and Education (3.0 cr)
ci CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
ci CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
ci CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
ci CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Japanese
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Japanese sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.

CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
or
CI 5641 - Language, Culture, and Education (3.0 cr)
or
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
or
CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
or
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
or
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Italian
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Italian sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)  
or CI 5641 - Language, Culture, and Education (3.0 cr)  
or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)  
or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)  
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)  
or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Latin**  
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Latin sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.  
EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)  
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)  
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)  
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)  
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)  
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)  
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)  
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)  
EDHD 5017 - Academic Language and English Learners (1.0 cr)  
EDHD 5018 - Academic Language and English Learners (1.0 cr)  
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)  
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)  
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)  
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)  
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)  
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)  
CI 5646 - English Grammar for ESL Teachers (3.0 cr)  
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)  
LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.  
CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)  
or CI 5641 - Language, Culture, and Education (3.0 cr)  
or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)  
or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)  
or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)  
or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Life Science**  
This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence, taking advantage of the college's solid mix of theory and practice, as well as all the resources that come with studying at a top research institution.

M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers...
(SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Life Science sub-plan requires a minimum of 39.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**
- EDHD 5008 and EPSY 5720 should each be taken for 2 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- CI 5530 - Secondary Science Teaching: Laboratory-based Instruction (3.0 cr)
- CI 5531 - Teaching Middle School Science (3.0 cr)
- CI 5532 - Teaching Secondary School Science (3.0 cr)
- CI 5541 - Teaching History and Nature of Science (3.0 cr)
- CI 5596 - Clinical Experience in Middle School Science (4.0 cr)

**Electives**
A minimum of nine credits is required. If student chooses to complete CI 5540, it should be taken for 3 credits one time only.
- CI 5535 - Foundations of Science Education (3.0 cr)
- or CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)
- or CI 5539 - Improving Secondary Science Instruction: Surviving the First Two Years (3.0 cr)
- or CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)

**Mathematics**
This sub-plan is limited to students completing the program under Plan C.

The mathematics education initial licensure program at the University of Minnesota is designed to help students become accomplished professional mathematics educators, and inquiring, analytical, and reflective professional educators prepared to teach in the classroom and lead in the schools.

M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Mathematics sub-plan requires a minimum of 34.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**
- EDHD 5008 and EPSY 5720 should each be taken for 2 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- MTHE 5011 - Arithmetic Structures in School Mathematics (3.0 cr)
- MTHE 5021 - Algebraic Structures in School Mathematics (3.0 cr)
- MTHE 5031 - Geometric Structures in School Mathematics (3.0 cr)
- MTHE 5314 - Teaching and Learning Mathematics (3.0 cr)
- MTHE 5366 - Technology-Assisted Mathematics Instruction (3.0 cr)
- MTHE 5993 - Directed Studies in Mathematics Education (2.0 cr)

**Electives**
A minimum of three credits is required. If student chooses to complete MTHE 5100, it should be taken for 3 credits.
- MTHE 5100 - Topics in Mathematics Education (1.0 - 6.0 cr)
- or MTHE 5155 - Rational Number Concepts and Proportionality (3.0 cr)
- or MTHE 5171 - Teaching Problem Solving (3.0 cr)
The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Ojibwe, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least “advanced low” on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Norwegian sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

- EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
- EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
- EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
- CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
- CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
- CI 5634 - Content-Based Instruction in Second Language Classrooms (3.0 cr)
- CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
- CI 5646 - English Grammar for ESL Teachers (3.0 cr)
- CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
- LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.

- CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
- CI 5641 - Language, Culture, and Education (3.0 cr)
- CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
- CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
- CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Ojibwe**

This sub-plan is limited to students completing the program under Plan C.

Norwegian

This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Ojibwe, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least “advanced low” on the Oral Proficiency Interview (OPI).
obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Ojibwe sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

- EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
- EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
- EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
- CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
- CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
- CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
- CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
- CI 5646 - English Grammar for ESL Teachers (3.0 cr)
- CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
- LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

- A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
- CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
- or CI 5641 - Language, Culture, and Education (3.0 cr)
- or CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- or CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
- or CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
- or CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Physics**

This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence, taking advantage of the college's solid mix of theory and practice, as well as all the resources that come with studying at a top research institution.

The M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Physics sub-plan requires a minimum of 39.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

- EDHD 5008 and EPSY 5720 should each be taken for 2 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5001 - Learning, Cognition, and Assessment (3.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EPSY 5720 - Special Topics: Special Education (1.0 - 4.0 cr)
- CI 5530 - Secondary Science Teaching: Laboratory-based Instruction (3.0 cr)
- CI 5531 - Teaching Middle School Science (3.0 cr)
- CI 5532 - Teaching Secondary School Science (3.0 cr)
- CI 5541 - Teaching History and Nature of Science (3.0 cr)
CI 5596 - Clinical Experience in Middle School Science (4.0 cr)

Electives
A minimum of nine credits is required. If student chooses to complete CI 5540, it should be taken for 3 credits one time only.
- CI 5535 - Foundations of Science Education (3.0 cr)
- CI 5536 - Equity, Policy, and Assessment in Science Education (3.0 cr)
- CI 5539 - Improving Secondary Science Instruction: Surviving the First Two Years (3.0 cr)
- CI 5540 - Special Topics: Science Education (1.0 - 8.0 cr)

Polish
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Polish sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

M.Ed. Required Coursework
- EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
- EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
- EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
- CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
- CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
- CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
- CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
- CI 5646 - English Grammar for ESL Teachers (3.0 cr)
- CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
- LING 5001 - Introduction to Linguistics (4.0 cr)

Electives
A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
- CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
- CI 5641 - Language, Culture, and Education (3.0 cr)
- CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
- CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
- CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

Russian
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.
Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Russian sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.

EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Teaching in the Content Areas for Initial Licensure Candidates (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.

CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
CI 5641 - Language, Culture, and Education (3.0 cr)
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
CI 5652 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Social Studies**

This sub-plan is limited to students completing the program under Plan C.

The social studies education initial licensure program is designed to help students become an inquiring, analytical, and reflective professional educators prepared to teach in grades 5-12 classrooms and lead in the schools. The program seeks to develop educators who are advocates for young people and the social studies, and can help youth to become thoughtful and active citizens in a culturally diverse, democratic society.

The M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching.

The Teaching M.Ed. - Social Studies sub-plan requires a minimum of 32.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 2 credits.

EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Spanish sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**
- EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.
- EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
- EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
- EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
- EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
- EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
- EDHD 5017 - Academic Language and English Learners (1.0 cr)
- EDHD 5018 - Academic Language and English Learners (1.0 cr)
- EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
- CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
- CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
- CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
- CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
- CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
- CI 5646 - English Grammar for ESL Teachers (3.0 cr)
- CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
- LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**
- A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.
- CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
- CI 5641 - Language, Culture, and Education (3.0 cr)
- CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
- CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
- CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Swedish**
This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching, a nationally recognized approach to teacher education.

Native speakers of English who are seeking licensure in a world language must demonstrate proficiency in that language. The following licensure options are available: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Latin, Norwegian, Ojibwe, Polish, Russian, Spanish, and Swedish. Candidates must have advanced proficiency in the language and an understanding of the formal aspects of the language, such as grammar and writing. Nonnative speakers of Arabic, Mandarin Chinese, French, German, Hebrew, Italian, Japanese, Norwegian, Polish, Russian, Spanish, or Swedish who are seeking a K-12 license in any of these languages must obtain a score of at least "advanced low" on the Oral Proficiency Interview (OPI).

The Teaching M.Ed. - Swedish sub-plan requires a minimum of 41.5 credits. Additional requirements and credits will be required to earn the initial licensure, which is awarded through the Minnesota Department of Education.

**M.Ed. Required Coursework**

EDHD 5008 should be taken for 1 credit. CI 5696 should be taken for 3 credits.

EDHD 5000 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
EDHD 5007 - Technology for Teaching and Learning (1.5 cr)
EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)
EDHD 5010 - Cultures, Schools, and Communities (Human Relations) (2.0 cr)
EDHD 5013 - Child and Adolescent Development for Teaching and Learning (1.0 cr)
EDHD 5014 - Child and Adolescent Development for Teaching and Learning (2.0 cr)
EDHD 5015 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5016 - Teaching Students with Special Needs in Inclusive Settings (1.0 cr)
EDHD 5017 - Academic Language and English Learners (1.0 cr)
EDHD 5018 - Academic Language and English Learners (1.0 cr)
EDHD 5020 - Cultures, Schools, and Communities (Human Relations) (1.0 cr)
CI 5620 - Introduction to Second Language Acquisition for Language Teachers (3.0 cr)
CI 5631 - Second Language Curriculum Development and Assessment (3.0 cr)
CI 5632 - Literacy and Language Development in Second Language Classrooms (3.0 cr)
CI 5634 - Content-Based Instruction in Second Language Settings (3.0 cr)
CI 5635 - Culture and Diversity in Second Language Classrooms (3.0 cr)
CI 5641 - Language, Culture, and Education (3.0 cr)
CI 5646 - English Grammar for ESL Teachers (3.0 cr)
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
CI 5651 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
CI 5652 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
CI 5653 - Foreign Language Testing and Assessment (3.0 cr)
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)
CI 5696 - Practicum: Teaching World Languages and Cultures in Elementary Schools (2.0 - 6.0 cr)
LING 5001 - Introduction to Linguistics (4.0 cr)

**Electives**

A minimum of three credits is required. If student chooses to complete CI 5660, it should be taken for 3 credits.

CI 5619 - Teaching World Languages and Cultures in Elementary Settings (3.0 cr)
CI 5641 - Language, Culture, and Education (3.0 cr)
CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
CI 5657 - Teaching Speaking and Listening in Second Language Classrooms (3.0 cr)
CI 5658 - Foreign Language Testing and Assessment (3.0 cr)
CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)

**Alternative Pathway: Elementary Education**

This sub-plan is limited to students completing the program under Plan C.

The Alternative Pathway elementary education initial licensure program is designed to help students become inquiring, analytical, and reflective professional educators who can help students succeed in school. The program also seeks to develop thoughtful practitioners who are enthusiastic about and prepared for leadership roles in the schools. Alternative Pathway M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching. This Alternative Pathway to Teaching program is for designated cohorts with department approval.

Students must maintain a 2.8 GPA throughout their M.Ed program in addition to earning a C- or higher in each individual course. 36 credits are required to complete this sub-plan. Required coursework includes 15 credits in Common Content area, 15 credits in Elementary Education track, and 6 elective credits selected in consultation with faculty adviser.

**Common Content Coursework**
CI 5980 will be taken a total of four semesters; 1 credit each semester. EDHD 5008 should be taken for 1 credit.

**CI 5980 - Clinical Experiences for K-12 Teaching (1.0 - 4.0 cr)**
- CI 5981 - Introduction to Equity-Based Pedagogy (1.0 cr)
- CI 5982 - Enacting Equity-Based Pedagogy (2.0 cr)
- CI 5983 - Equity-Based Pedagogy/Advocacy (1.0 cr)
- CI 5984 - Planning Design and Management (1.0 cr)
- CI 5985 - Academic Language and English Learners in the Content Areas (1.0 cr)
- CI 5986 - Foundations of Special Education (1.0 cr)
- CI 5987 - Child and Adolescent Development for Teaching, Learning, and Assessment (1.0 cr)
- CI 5988 - Clinical Experience: Improvement of Teaching (2.0 cr)

**EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)**

**Elementary Education Coursework**
- CI 5211 - Elementary Education Content and Pedagogy I (4.0 cr)
- CI 5212 - Elementary Education Content and Pedagogy II (3.0 cr)
- CI 5213 - Elementary Education Content and Pedagogy III (3.0 cr)
- CI 5214 - Elementary Education Content and Pedagogy IV (3.0 cr)
- CI 5215 - Elementary Education Content and Pedagogy V (2.0 cr)

**Elective Coursework**
A minimum of six credits is required, selected in consultation with faculty adviser.

**Alternative Pathway: Secondary Mathematics**
This sub-plan is limited to students completing the program under Plan C.

The Alternative Pathway mathematics education initial licensure program at the University of Minnesota is designed to help students become accomplished professional mathematics educators, and inquiring, analytical, and reflective professional educators prepared to teach in the classroom and lead in the schools. Alternative Pathway M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching. This Alternative Pathway to Teaching program is for designated cohorts with department approval.

Students must maintain a 2.8 GPA throughout their M.Ed program in addition to earning a C- or higher in each individual course. 36 credits are required to complete this sub-plan. Required coursework includes 15 credits in Common Content area, 15 credits in Secondary Mathematics track, and 6 elective credits selected in consultation with faculty adviser.

**Common Content Coursework**
- CI 5980 will be taken a total of four semesters; 1 credit each semester. EDHD 5008 should be taken for 1 credit.
- CI 5980 - Clinical Experiences for K-12 Teaching (1.0 - 4.0 cr)
- CI 5981 - Introduction to Equity-Based Pedagogy (1.0 cr)
- CI 5982 - Enacting Equity-Based Pedagogy (2.0 cr)
- CI 5983 - Equity-Based Pedagogy/Advocacy (1.0 cr)
- CI 5984 - Planning Design and Management (1.0 cr)
- CI 5985 - Academic Language and English Learners in the Content Areas (1.0 cr)
- CI 5986 - Foundations of Special Education (1.0 cr)
- CI 5987 - Child and Adolescent Development for Teaching, Learning, and Assessment (1.0 cr)
- CI 5988 - Clinical Experience: Improvement of Teaching (2.0 cr)

**Secondary Mathematics Coursework**
- CI 5811 - Introduction to Teaching Secondary Mathematics (4.0 cr)
- CI 5812 - Teaching Algebra (3.0 cr)
- CI 5813 - Teaching Geometry (3.0 cr)
- CI 5814 - Teaching and Learning Mathematics (3.0 cr)
- CI 5815 - Leadership in Mathematics Education (2.0 cr)

**Elective Coursework**
A minimum of six credits is required, selected in consultation with faculty adviser.

**Alternative Pathway: Secondary Science**
This sub-plan is limited to students completing the program under Plan C.

Science teachers are in high demand, and this program will prepare students to step into the classroom with confidence, taking advantage of the college's solid mix of theory and practice, as well as all the resources that come with studying at a top research institution. Alternative Pathway M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching. This Alternative Pathway to Teaching program is for designated cohorts with department approval.
Students must maintain a 2.8 GPA throughout their M.Ed program in addition to earning a C- or higher in each individual course. 36 credits are required to complete this sub-plan. Required coursework includes 15 credits in Common Content area, 15 credits in Secondary Science track, and 6 elective credits selected in consultation with faculty adviser.

**Common Content Coursework**

- CI 5980 - Clinical Experiences for K-12 Teaching (1.0 - 4.0 cr)
- CI 5981 - Introduction to Equity-Based Pedagogy (1.0 cr)
- CI 5982 - Enacting Equity-Based Pedagogy (2.0 cr)
- CI 5983 - Equity-Based Pedagogy/Advocacy (1.0 cr)
- CI 5984 - Planning Design and Management (1.0 cr)
- CI 5985 - Academic Language and English Learners in the Content Areas (1.0 cr)
- CI 5986 - Foundations of Special Education (1.0 cr)
- CI 5987 - Child and Adolescent Development for Teaching, Learning, and Assessment (1.0 cr)
- CI 5988 - Clinical Experience: Improvement of Teaching (2.0 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)

**Secondary Science Coursework**

- CI 5511 - Introduction to Secondary Science: Laboratory-based Instruction (4.0 cr)
- CI 5512 - Secondary Science Methods: Understanding the Nature of Science (3.0 cr)
- CI 5513 - Secondary Science Methods: Equity in Science Teaching (3.0 cr)
- CI 5514 - Secondary Science Methods: The Science Learning Environment (2.0 cr)
- CI 5515 - Secondary Science Methods: Developing Adaptive Expertise (3.0 cr)

**Elective Coursework**

A minimum of six credits is required, selected in consultation with faculty adviser.

**Alternative Pathway: English as a Second Language**

This sub-plan is limited to students completing the program under Plan C.

The second languages and cultures education (SLC) initial licensure program at the University of Minnesota is designed to help enrolled students become accomplished professional second language educators for grades K-12. The program integrates the fields of world languages and English as a Second Language (ESL), enabling teachers from both fields to learn from each other. Theory and practice are also linked through concurrent coursework and student teaching—a nationally recognized approach to teacher education. Alternative Pathway M.Ed./initial licensure programs are for individuals with bachelor's degrees who want to become licensed teachers. These graduate-level programs provide rigorous, professional teacher preparation in accordance with the Standards of Effective Practice for Teachers (SEPT) and content standards adopted by the Minnesota Board of Teaching. This Alternative Pathway to Teaching program is for designated cohorts with department approval.

Students must maintain a 2.8 GPA throughout their M.Ed program in addition to earning a C- or higher in each individual course. 36 credits are required to complete this sub-plan. Required coursework includes 15 credits in Common Content area, 15 credits in English as a Second Language track, and 6 elective credits selected in consultation with faculty adviser.

**Common Content Coursework**

- CI 5980 will be taken a total of four semesters: 1 credit each semester. EDHD 5008 should be taken for 1 credit.
- CI 5981 - Introduction to Equity-Based Pedagogy (1.0 cr)
- CI 5982 - Enacting Equity-Based Pedagogy (2.0 cr)
- CI 5983 - Equity-Based Pedagogy/Advocacy (1.0 cr)
- CI 5984 - Planning Design and Management (1.0 cr)
- CI 5985 - Academic Language and English Learners in the Content Areas (1.0 cr)
- CI 5986 - Foundations of Special Education (1.0 cr)
- CI 5987 - Child and Adolescent Development for Teaching, Learning, and Assessment (1.0 cr)
- CI 5988 - Clinical Experience: Improvement of Teaching (2.0 cr)
- EDHD 5008 - Reading in the Content Areas for Initial Licensure Candidates (1.0 - 2.0 cr)

**English as a Second Language Coursework**

- CI 5622 - Second Language Acquisition Basics for Teachers (2.0 cr)
- CI 5611 - Principles of Linguistics (2.0 cr)
- CI 5612 - ESL Methods for Multilingual Development (3.0 cr)
- CI 5613 - Testing and Assessment for English Learners (3.0 cr)
- CI 5614 - Curriculum and Materials Development for English Learners (3.0 cr)
- CI 5615 - Academic English for English Learners: Planning, Assessment, Instruction (2.0 cr)

**Elective Coursework**

A minimum of six credits is required, selected in consultation with faculty adviser.
Twin Cities Campus
Teaching Writing and Critical Literacy Postbaccalaureate Certificate
Curriculum & Instruction
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Curriculum and Instruction, University of Minnesota, 125 Peik Hall, 159 Pillsbury Drive S.E., Minneapolis, MN 55455
(612-625-4006; fax: 612-624-8277)
Email: CIinfo@umn.edu
Website: http://www.cehd.umn.edu/ci

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 15
- This program requires summer semesters for timely completion.
- Degree: Teaching, Writing & Critical Literacy PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The certificate in teaching writing and critical literacy prepares preK-college educators to strengthen their skills and knowledge of current practice and research in the teaching of critical reading and writing (note that a university certificate program or certificate is distinct from a state certificate or certification).

Writing and reading complement one another, and their interconnectedness is critical to literacy instruction. This certificate will offer advanced knowledge of the teaching of literacy through a focused, rigorous program while developing practicing educators' skills as teachers and writers in a supportive learning community.

Changing literacy needs of students from all socioeconomic and educational backgrounds demand highly qualified teachers of reading and writing at the K-12 and postsecondary levels. Educators must prepare K-12 students to meet testing requirements at the state and national levels. In addition, teachers must meet the increasing literacy needs that accompany Minnesota's changing demographics of growing immigrant and English language learner (ELL) populations. Educators also must prepare students to communicate effectively by using new technologies.

The certificate program seeks to accomplish the following goals:
- Develop effective strategies for teaching the writing process to English-language learners and diverse populations, as well as reading and writing across the curriculum
- Engage educators in current research about composition, reading, and learning theory
- Create learning communities where educators reflect on their own teaching, reading, and writing
- Give educators opportunities to learn from other practicing educators

This program begins with a three-week, three-credit Minnesota Writing Project (MWP) Invitational Institute and then extends to allow educators to choose from a wider range of courses from multiple University departments throughout the academic year.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A completed bachelor's degree is required for admission.

Applicants must be licensed teachers or administrators. Non-licensed teachers may be admitted with faculty letters of recommendation if program space is available.

Special Application Requirements:
Applicants must submit transcripts from every college attended (even those where a degree wasn't earned), scores from the TOEFL/IELTS/MELAB (if applicable), a resume, a goal statement that explains the relationship of courses and research to your professional goals, and two letters of recommendation addressing your teaching accomplishments and potential for further study.
Certificate applications are reviewed by the department three times per academic year: Fall, Spring and Summer.

International applicants must submit score(s) from one of the following tests:

- **TOEFL**
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550

- **IELTS**
  - Total Score: 6.5

- **MELAB**
  - Final score: 80

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

**Core Courses (9 credits)**

- CI 5469 should be taken for 3 credits
- CI 5463 - Minnesota Writing Project Annual Invitational Summer Institute (3.0 cr)
- CI 5469 - Minnesota Writing Project Directed Studies (1.0 - 3.0 cr)

**Teaching Core**

Students must complete one of the following courses in the teaching of reading and/or writing.

- CI 5422 - Teaching Writing in Schools (3.0 cr)
- CI 5451 - Teaching Reading in Middle and Secondary Grades (3.0 cr)
- CI 5462 - Evaluating and Assessing Writing (3.0 cr)

**Elective Courses (6 credits)**

Take 2 or more course(s) totaling 6 or more credit(s) from the following:

- CI 5145 - Critical Pedagogy (3.0 cr)
- CI 5177 - Practical Research (3.0 cr)
- CI 5404 - Culturally Diverse Books for Children and Adolescents (3.0 cr)
- CI 5410 - Special Topics in the Teaching of Literacy (1.0 - 3.0 cr)
- CI 5411 - Teaching Reading in the Elementary School (3.0 cr)
- CI 5417 - Elementary literacy Instruction for ESL Students (3.0 cr)
- CI 5442 - Literature for Adolescents (3.0 cr)
- CI 5462 - Evaluating and Assessing Writing (3.0 cr)
- CI 5475 - Teaching Digital Writing: Blogs, Wikis, Online Talk, Podcasting, and E-Portfolios to Teach Writing (3.0 cr)
- CI 5647 - Teaching Middle and Secondary Immigrant and Refugee Students With Limited Formal Schooling (3.0 cr)
- CI 5660 - Special Topics in the Teaching of Second Languages and Cultures (1.0 - 4.0 cr)
- LGTT 5101 - Applications of Technology in Language Teaching (3.0 cr)
- LING 5630 *Inactive* (3.0 cr)
- LING 5790 - Topics in Rhetoric, Composition, and Language (3.0 cr)
- LING 5001 - Introduction to Linguistics (4.0 cr)
- LING 5461 - Conversation Analysis (3.0 cr)
- LING 5900 - Topics in Linguistics (1.0 - 4.0 cr)
- WRIT 5531 - Introduction to Writing Theory and Pedagogy (3.0 cr)
- EPSY 5612 - Understanding of Academic Disabilities (3.0 cr)
- EPSY 5615 - Advanced Academic Interventions (3.0 cr)
- EPSY 5618 - Specialized Interventions for Students With Mild/Moderate Disabilities in Reading & Written Language (3.0 cr)
- EPSY 5644 - Language Development and Programming for Deaf/Hard of Hearing Children (3.0 cr)
- EPSY 5646 - Reading and Writing Practices with Deaf/Hard of Hearing Children (2.0 cr)
- EPSY 8116 - Reading for Meaning: Cognitive Processes in the Comprehension of Texts (3.0 cr)
- EPSY 8117 - Writing Empirical Paper and Research/Grant Proposals in Education and Psychology (3.0 cr)
- SLS 5101 (Inactive) (1.0 cr)
- SLS 5401 (Inactive) (4.0 cr)
- SLS 5721 (Inactive) (3.0 cr)
- OLPD 5814 (Inactive) (3.0 cr)
Twin Cities Campus

Undergraduate Multicultural Teaching and Learning Postbaccalaureate Certificate
Postsecondary Teaching and Learning
College of Education and Human Development

Contact Information:
Department of Postsecondary Teaching and Learning, 206 Burton Hall, 178 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-626-8705; fax: 612-625-0709)
Email: pstlinfo@umn.edu

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2014
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Ugrd Multicultural Tchng & Lrnng PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The post baccalaureate certificate in undergraduate multicultural teaching and learning aims to improve the quality of instruction and academic support for all undergraduates, particularly those who traditionally have been underprepared for and underserved in higher education. The required core courses are designed to provide opportunities to apply multicultural theory to practice and engage as reflective practitioners.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)
- completely online (all program coursework can be completed online)
- primarily online (at least 80% of the instruction for the program is online with short, intensive periods of face-to-face coursework)
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
Special Application Requirements:
Students may apply to the undergraduate multicultural teaching and learning graduate certificate any time; there is no set application deadline. All applicants must complete the ApplyYourself online application and submit a personal statement. The personal statement should address: interest in the program; professional/academic or community qualifications; what the student will bring to the program, and; how completion of the certificate will build on the applicant's capacity to transform postsecondary teaching and learning. Visit http://www.cehd.umn.edu/PsTL/Certificate/apply.asp for more information about how to apply.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

To obtain the undergraduate multicultural teaching and learning graduate certificate, students must take 3 core courses (9 credits) and 1 elective course (3 credits) for a minimum of 12 course credits. The 3 core courses are listed below. Contact the DGS for information regarding the 3-credit elective requirement.

Core Courses
PSTL 5105 - Increasing Access and Success in Undergraduate Classrooms (3.0 cr)
PSTL 5106 - Multicultural Teaching and Learning in Diverse College Contexts (3.0 cr)
PSTL 5212 - Multicultural Theories of College Student Development Applied to Teaching and Learning (3.0 cr)
Twin Cities Campus
Work and Human Resource Education M.Ed.
Organizational Leadership, Policy and Development
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
Department of Organizational Leadership, Policy, and Development, 330 Wulling Hall, 86 Pleasant Street S.E., Minneapolis, MN 55455
(612-624-1006; fax: 612-624-3377)
Email: olpd@umn.edu
Website: http://www.cehd.umn.edu/olpd/

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Department of Organizational Leadership, Policy, and Development is a leader in advancing knowledge about educational and organizational change in local, national, and international contexts. The department's research, teaching, and outreach reflect a commitment to interdisciplinary and intercultural engagement with educators, scholars, and policy makers seeking to enhance leadership, policy, and development around the globe. Students in the M.A. and Ph.D. programs choose from one of five complementary but distinct program tracks: education policy and leadership (EPL), evaluation studies (ES), higher education (HE), comparative and international development education (CIDE), and human resource development (HRD). Undergraduate programs focus on human resource development and business and marketing education. In addition, the department offers a variety of programs for practicing professionals and various licensure programs.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

Other requirements to be completed before admission:
Professional experience in a work and human resource education field or an undergraduate major in education with an appropriate content field.

Special Application Requirements:
When applying online, applicants should complete Statements #1 & 2. Filling out statement #3 optional. Applicants must also submit a résumé and personal statement (limit two pages) describing career goals and rationale for interest in the Work and Human Resource Education M.Ed. program. Two letters of recommendation from individuals who can attest to the applicant's potential are also required. Admissions are done on a rolling basis with the following semester deadlines: March 1 (Summer), July 1 (Fall), November 1 (Spring).

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- IELTS
  - Total Score: 6.5
- MELAB
  - Final score: 80

Key to test abbreviations (TOEFL, IELTS, MELAB).
Program Requirements

Plan C: Plan C requires 17 to 21 major credits and 9 to 13 credits outside the major. There is no final exam.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

Required Coursework

Two plans are offered:

Plan I is for licensed educators planning to pursue advanced professional study and requires a minimum of 17 semester credits of OLPD courses.

Plan II is for professionals seeking additional education & requires a minimum of 21 semester credits. Students must complete all Plan I requirements. However, the Plan II specialization area must include at least one methods of instruction course.

General Aspects

OLPD 5806 - Philosophy and Practice of Career and Technical Education (2.0 cr)

or OLPD 5811 - Education for Work (3.0 cr)

or OLPD 5813 - Enhancing Work-based Learning Through Collaboration (2.0 cr)

or OLPD 5823 - Work-Based Learning Policies (2.0 cr)

Specialization

8-12 credits of OLPD courses with adviser approval depending if Plan I or Plan II

Research

OLPD 5819 - Evaluating and Using Research in Organizations and Education (3.0 cr)

Students electing Plan II must take an adviser approved methods of instruction course

Electives

Up to 13 credits with adviser approval, a minimum of 6 credits must come from outside the OLPD department

Integrating Project

Students work with their faculty adviser to select specialization courses consistent with their professional goals, select the course(s) to meet the general aspects requirement, and design and complete the integrating project. The proposed program must be reviewed and approved by departmental faculty.

OLPD 5893 - Directed Study in OLPD (1.0 - 4.0 cr)

Program Sub-plans

A sub-plan is not required for this program.

Students may not complete the program with more than one sub-plan.

Comprehensive Work and Human Resource Education

This sub-plan is limited to students completing the program under Plan C.

All sub-plans in this major use same curriculum

Rochester

This sub-plan is limited to students completing the program under Plan C.

Requirements for this sub-plan are the same as those listed in general description. Students may take courses on the Twin Cities or Rochester campuses.
Twin Cities Campus
Youth Development Leadership M.Ed.
School of Social Work
College of Education and Human Development

Link to a list of faculty for this program.

Contact Information:
School of Social Work, University of Minnesota, 105 Peters Hall, 1404 Gortner Avenue, St. Paul, MN 55108 (612-625-1220)
Email: pavlo002@umn.edu
Website: http://www.cehd.umn.edu/ssw/Current/ydl/default.asp

- Program Type: Master's
- Requirements for this program are current for Fall 2014
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Education

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Youth development leadership (YDL) is a graduate degree offered for people who work with youth in traditional and nontraditional settings, and who are committed to the healthy development of young people. Effectiveness depends upon keeping up with the challenges facing today's youth, which requires continual learning and professional growth. This degree is an excellent career opportunity for anyone working with youth, regardless of his or her previous academic background.

The M.Ed. in youth development leadership emphasizes:
- a community-based model of positive youth development;
- experiential learning models;
- leadership and community building by encouraging consultation among faculty, professional youth workers, fellow students, and young people;
- diverse, flexible, and interdisciplinary faculty and curriculum that provide an informed understanding of practices, policies, and ethics of youth development work;
- positive professional development;
- collaborative approach to learning;
- interdisciplinary curriculum;
- cohort of other youth work professionals, for supportive learning environment;
- diverse faculty dedicated to healthy youth development and committed to helping students develop a course of study that meets their professional and personal needs and interests.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 2.80.

A bachelor's degree from an accredited institution.

Other requirements to be completed before admission:
At least two years of experience working with youth.

Special Application Requirements:
All applicants must upload the following items to their online application in Apply Yourself:
- Résumé
- Personal statement describing career goals and rationale for interest in the M.Ed. program (limit two pages)
- Unofficial transcripts from all post-secondary institutions you have attended or are currently attending, including the University of Minnesota
- Letters of recommendation from at least two persons (e.g., administrators, colleagues, instructors) familiar with the applicant's performance who can attest to his or her capacity for youth development leadership
- Application fee, charged when the online application is submitted. Fee must be paid with a credit card. Applications are accepted on a year-round basis.
International applicants must submit score(s) from one of the following tests:

- **TOEFL**
  - Internet Based - Total Score: 79
  - Internet Based - Writing Score: 21
  - Internet Based - Reading Score: 19
  - Paper Based - Total Score: 550
- **IELTS**
  - Total Score: 6.5
- **MELAB**
  - Final score: 80

The preferred English language test is Test of English as Foreign Language (TOEFL, IELTS, MELAB).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

**Plan C:** Plan C requires 20 major credits and 10 credits outside the major. There is no final exam. A capstone project is required.

**Capstone Project:** The portfolio is a demonstration and personal assessment of individual learning and leadership in youth development work and in the YDL program. Successful completion of the portfolio presentation to the student's faculty committee of two or more faculty is the final requirement of the YDL program.

This program may not be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 3.00 is required for students to remain in good standing.

**Required Coursework**

- Students must take a total of four credits of YOST 5960, in one credit increments, during their time in the program.
- **YOST 5952** - Everyday Lives of Youth (3.0 cr)
- **YOST 5954** - Experiential Learning: Pedagogy for Community and Classroom (3.0 cr)
- **YOST 5956** - Organizational Approaches to Youth Development (3.0 cr)
- **YOST 5958** - Community: Context for Youth Development Leadership (3.0 cr)
- **YOST 5960** - Seminar in Youth Development Leadership (1.0 - 4.0 cr)
- **YOST 5962** - Leadership Field Experience: Youth Development (4.0 cr)

**Elective Credits**

10 or more elective credits must be selected with approval of faculty adviser.