


2015

Graduate Bulletin, 2015-2016

Minnesota State University Moorhead

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Welcome to the 2015-2016 Minnesota State University Moorhead's Bulletin.

The Bulletin contains information about academic programs and student services offered by Minnesota State University Moorhead. It also contains general University and specific academic policies and degree requirements. Every effort has been made to make the bulletin accurate as of the date of publication; however, all policies, procedures, and fees are subject to change at any time by appropriate action of the faculty, the university administration, the Minnesota State Colleges and Universities Board, or the Minnesota Legislature. The provisions of this bulletin do not constitute a contract between the student and university.

The information in the bulletin applies to all undergraduate and graduate students at the university. It is important for students to be familiar with all the information that applies to them, including policies and procedures related to registration, academic progress and degree requirements. Students are strongly encouraged, and are required, to consult their advisers at least once each semester to ensure they are completing requirements applicable to their degree and major programs.

This bulletin is published online only.

Introduction

The Graduate Mission

The mission of Graduate Studies at Minnesota State University Moorhead is to promote excellence in research, advanced career preparation and development, as well as personal and creative expression. Graduate Studies at MSUM introduces students to a community of scholars and learners who foster innovative efforts in the areas of discovery, creativity, scholarship and artistic expression. MSUM Graduate Studies is committed to excellence in all graduate degree and certificate programs.

Mission

Minnesota State University Moorhead is a caring community promising all students the opportunity to discover their passions, the rigor to develop intellectually and the versatility to shape a changing world.

Vision

Minnesota State University will be...

- A leader in student success
- A campus that reflects the world in which our graduates live and work
- A university that provides an education of lifelong relevance
- A place of transformation where students become graduates who are progressive leaders in their professions and their communities

What Makes MSUM Special?

Faculty, student and staff members of the academic community have given a great deal of thought to the values and purposes that underlie the University's **mission and vision**. We have refined and focused these principles into statements to guide our daily efforts to foster student success and serve the regional and global communities.

These cornerstones of our mission and vision define what makes us special.

Purpose (*Why do we do what we do?*)

The simplest and most idealistic answer is that our purpose is to transform the world by transforming lives.

Our Core Values (*How do we behave?*)

- Grit
- Humility
- Heart

Aspirational Value (*We commit to making this as pervasive as our core values*)

- Diversity and inclusion of people and ideas

"Permission to Play" Values (*These are the expectations of membership in our academic community*)

- Integrity and mutual respect in our behavior and interactions

Strategic Anchors (*How will we succeed?*)

We will succeed by:

- Focusing relentlessly on student achievement and students' return on their investment;
- Embedding and supporting diversity in every facet of the university; and
- Ensuring that MSUM is indispensable to the social, cultural, and economic advancement of Moorhead and the surrounding region.

Overview

Minnesota State University Moorhead is a welcoming educational community that offers rigorous courses

of study and places high expectations upon its students. Our strong commitment to faculty-mentored undergraduate research and intellectual growth provides students with continual opportunities for personal and professional achievement. MSUM fosters an environment that encourages students to become versatile, thoughtful, innovative, and engaged leaders who contribute to their professions and their communities.

MSUM values diversity and mutual respect and strives to instill these ideals throughout the institution. MSUM honors its heritage as a respected, student-focused, public university and enhances our students' lives at the same time that it contributes to the community and the region.

MSUM offers graduate and professional programs that contribute to the state and region through increased collaboration with local and state business, industry, and human services to assure optimal preparation of graduates.

MSUM at a Glance

Minnesota State University Moorhead, with an enrollment of more than 6,300 full and part-time students, offers 74 undergraduate majors with 70 emphases, 12 graduate degree programs with 21 emphases, and 28 certificate programs. Included in our majors are 31 areas of teacher licensure preparation. Our professional programs are grounded in the liberal arts, designed to provide a broad base of knowledge and cultural themes. As a part of the higher education system established by the State of Minnesota, the University provides the advantages of a quality education at the lower costs made possible by the support of Minnesota's citizens.

History of Minnesota State University Moorhead

Minnesota State University Moorhead's institutional life began in 1887 when, two years after a bill calling for its establishment was approved by the Minnesota legislature, funds were appropriated for the construction of campus buildings. Moorhead Normal School was built on land deeded to the city by the bill's author, S. G. Comstock, a former Clay County Attorney and, later, an executive with James J. Hill's Great Northern Railroad. The campus opened for classes under its first president, Livingston Lord, in August of 1888.

Moorhead Normal School was Minnesota's fourth such institution, charged with the education of those who would teach in the area's rural schoolhouses. Students graduated from these normal schools after two years, with a license to teach grades K (or 1) through 8. By the second decade of the 1900s, the demand for better-educated teachers, together with the increased numbers of students attending high school, was the motive force that prompted the development of a four-year college curriculum. This progress was marked by the school's first name change, to Moorhead State Teachers College, in April of 1921.

In late April-early May 1957, the Minnesota state legislature approved another name change, bringing into existence Moorhead State College. This change reflected the institution's "increasing diversity and breadth of purpose" (graduate programs began in 1953), and also came at a time when the campus was going through something of a construction "boomlet." Over the next 18 years, the campus added 11 new buildings and numerous new programs. The 18 years of Moorhead State College also saw the establishment of that unique educational resource, the Tri-College University.

On August 1, 1975, a ceremony was held on campus to mark the renaming of the college to Moorhead State University. All other Minnesota State Colleges were also transformed into state universities at the same time. The time of this change was surrounded by the continued growth of the University student body, a growth mirrored by the number of majors offered, which rose to more than 90 (the University currently offers more than 140 majors, including emphases and options).

In 1998, the Minnesota State Colleges and Universities Board of Trustees approved a policy authorizing the seven state universities to change their names if they wished to do so. Accordingly, after consultation with students, faculty, staff, and alumni, the campus's fifth name change to Minnesota State University Moorhead was approved by the Board of Trustees and became effective July 1, 2000.

The Campus

Most of the 28 major buildings on the 119-acre campus have been constructed since 1957, including the Science Laboratory Building that opened fall semester 2004 and the Wellness Center that opened spring semester 2009. Other campus buildings include five residence halls and one apartment facility, the newly renovated Livingston Lord Library, Comstock Memorial (Student) Union (currently undergoing renovation), Kise Commons food service, the Regional Science Center, Hendrix Clinic and Counseling Center, Security/Police Substation, 11 classroom buildings, the Alex Nemzek Hall complex for men's and women's physical education, health and athletics, and Owens Hall administration building.

The Faculty

There are more than 560 members of Minnesota State University Moorhead's instructional faculty. Over 70 percent of the faculty holds the highest degree in their fields. Professors teach 99 percent of classes and are advisors and mentors. A student-faculty ratio of 17-to-1 encourages undergraduates to participate in faculty-mentored research and creative projects, and 73 percent of classes have fewer than 30 students.

The Community

Moorhead, Minnesota and Fargo, North Dakota are education-minded communities with Minnesota State University Moorhead, Minnesota State Community and Technical College, and Concordia College on one side of the Red River, North Dakota State University on the other. The two cities support a symphony orchestra, a community band, area youth orchestra, community Jazz Arts Group, community opera, community theatre, and several art galleries. Minnesota State University Moorhead regularly offers a Performing Arts Series, monthly art exhibits, and a number of dramatic and musical programs.

The character of this metropolitan community of more than 223,000 and growing is also determined by its rural traditions. Situated in the rich farming land of the Red River Valley, Fargo-Moorhead is the hub for wholesale and retail trade, communications, transportation, industry, and medical care in the Upper Midwest. Fargo-Moorhead was named an All-American City in 2000.

Accreditation / Certification

Graduate Program

Minnesota State University Moorhead is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools at the Master's degree level and programs in School Psychology and Educational Leadership are accredited at the Education Specialist level. Online only graduate programs have been approved in Business Administration with an emphasis in Healthcare Management, Business Administration, Curriculum and Instruction, Educational Leadership, Healthcare Administration, and Nursing.

American Speech-Language-Hearing Association

The Master's education program in Speech-Language Pathology at Minnesota State University Moorhead is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association.

Association to Advance Collegiate Schools of Business International

Minnesota State University Moorhead's Paseka School of Business is accredited by the Association to Advance Collegiate Schools of Business International (AACSB). This prestigious distinction is held by less than five percent of the world's business schools. The Masters of Science in Accounting and Finance and the MBA programs are offered through the Paseka School of Business.

Commission on Collegiate Nursing Education

The baccalaureate degree in Nursing and the master's degree in Nursing programs at Minnesota State University Moorhead are accredited by the Commission on Collegiate Nursing Education. One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791. <http://www.aacn.nche.edu/>

Council for the Accreditation of Counseling and Related Educational Programs (CACREP)

Minnesota State University Moorhead's graduate program in Counseling and Student Affairs has specialized accreditation from the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). The specialized accreditation is granted by CACREP which is an accrediting body recognized by the Council for Higher Education Accreditation. The program offers three CACREP accredited emphases: Clinical Mental Health Counseling, School Counseling (K-12), and Student Affairs and College Counseling.

Educational Leadership Constituent Council (ELCC) of the National Policy Board for Educational Administration

Minnesota State University Moorhead's graduate program in Educational Leadership has received national recognition by the ELCC for their Elementary/Secondary Principal, Superintendent, and P-12 Principal programs.

Minnesota Board of School Administrators (BOSA)

The Educational Leadership licensing programs for Minnesota are accredited through the Minnesota Board of School Administrators (BOSA) at Minnesota State University Moorhead.

National Association of School Psychologists

Minnesota State University Moorhead's graduate program in school psychology is approved by the National Association of School Psychologists. NASP is an affiliate organization of the National Council for Accreditation of Teacher Education.

National Council for Accreditation of Teacher Education

Minnesota State University Moorhead is accredited by the National Council for Accreditation of Teacher Education as a five-year teacher education institution offering the degrees of Bachelor of Science, Master of Science, and Education Specialist.

North Central Association

Minnesota State University Moorhead is accredited by the North Central Association of Colleges and Secondary Schools at the Master's degree-granting level and the Specialist level in Educational Administration (EdS) and School Psychology (PsyS).

Access to Information

Minnesota State University Moorhead makes available or distributes the following information to all students, employees, prospective students and prospective employees:

The Graduate Bulletin

It is our intention to provide resources relevant to the academic, extracurricular, and social lives of students.

Every effort has been made to ensure the accuracy of the material contained within this catalog as of the date of publication. However, all policies, procedures, academic schedules, program information, and fees are subject to change at any time by appropriate action of the faculty, the MSUM administration, the Minnesota State Colleges and Universities Board of Trustees or the Minnesota Legislature without prior

notification. The provisions of this catalog do not constitute a contract between the student and MSUM. The information in this catalog is for use as an academic planning tool and is subject to change at any time.

Upon printing of this catalog, all previous issues are revoked.

Academic Policies and Procedures

The University's academic policies may also be found in the Faculty Guide to Resources and Policies and Student Handbook. Information on academic policies and procedures may be obtained at the offices of Academic Affairs, Student Affairs, Admissions, Records, Scholarship and Financial Aid, and Academic Support Center. The University Policy website can be found at <http://www.mnstate.edu/policies/>.

Emergency Cancellation

Classes/programs are subject to cancellation or changes in the event of inclement weather or an emergency. MSUM will seek to continue instruction through alternate means if they are available to meet the situation in the event of prolonged closure. See University Policy page (<http://www.mnstate.edu/policies/>) for more information.

Non-Discrimination Statement

Minnesota State University Moorhead is committed to a policy of equal opportunity and nondiscrimination in employment & education and is a member of the Minnesota State Colleges and Universities system. No person shall be discriminated against in the terms and conditions of employment, personnel practices, or access to and participation in, programs, services, and activities with regard to race, sex, color, creed, religion, age, national origin, disability, marital status, status with regard to public assistance, sexual orientation, gender identity, gender expression, or membership or activity in a local commission as defined by law. Inquiries regarding compliance should be referred to the Designated Officer: Title IX Coordinator/Director of Student Conduct & Resolution, Owens 206, 218.477.2174 (Voice). This information will be made available in alternate format, such as Braille, large print or audio cassette tape, upon request by contacting Disability Services at 218-477-4318 (Voice); 218-477-2420 (FAX) or 1-800-627-3529 (MRS/TTY).

Family Education Rights and Privacy Act (FERPA)

The purpose of the Family Education Rights and Privacy Act is to afford certain rights to students concerning their education records. The primary rights afforded are the right to inspect and review the education records, the right to seek to have the records corrected, and the right to have some control over the disclosure of information from the records. The FERPA policy is included in the Student Handbook and additional information is available from the Records Office, and the website <http://www.mnstate.edu/records/ferpa>.

Financial Aid

The purpose of financial aid is to assist students with college-related expenses. Financial aid and scholarship information is available at the Office of Scholarship and Financial Aid and the website: <http://www.mnstate.edu/financialaid>.

Student Right to Know Report

The purpose of this information is to disclose annual student completion and graduation rates, including graduation rates for student athletes. This report is available from the Office of Institutional Effectiveness at <http://web.mnstate.edu/institut/>.

Public Information or Directory Information includes:

- Name
- Local and Permanent Address
- Email address
- Phone numbers
- Major and minor
- Class level
- Dates of enrollment
- Full-time/part-time status
- Degrees, Honors and Awards
- Previous educational institutions and dates attended
- Past and present participation in sports and activities
- Height and weight of athletes
- Photographs taken and maintained by the University for various purposes (excluding pictures taken for photo ID cards).

Student Alcohol and Other Drug Policy

General Philosophy Statement

Minnesota State University Moorhead recognizes that the misuse of alcohol and other drugs is a serious problem in our society and our community. This University seeks to create a campus environment which promotes healthy and responsible living that is conducive to the intellectual and personal development of students. The University is committed to establishing and enforcing clear campus policies regarding the use of alcohol and other drugs.

Minnesota State University Moorhead complies with and supports the Minnesota State Colleges and University Board of Trustees policy governing alcohol and other drugs on campus, the Drug Free Schools and Community Act, the Drug Free Workplace Act, the Campus Security Act and Minnesota State law. Refer to the Student Handbook for a detailed version of the policy.

Drug Free Workplace and Schools

Minnesota State University Moorhead provides information regarding University policies for alcohol and drug use on the campus in the class schedule and the Annual Campus Crime Report. This information is provided in compliance with the Drug Free Workplace Act of 1988 and the Drug Free Schools and Communities Act Amendments of 1989. The report includes:

- campus policies regarding alcohol and drug use
- campus sanctions for possession/consumption of alcohol or illicit drugs
- legal penalties for possession/consumption of alcohol or illicit drugs
- health risks associated with use of illicit drugs and alcohol

Additional information regarding the Drug Free Schools and Communities Act is available online at <http://www.mnstate.edu/aod/msum-biennial-review.aspx?terms=drug%20free%20workplace><http://www.mnstate.edu/aod/msum-biennial-review.aspx?terms=drug%20free%20workplace>.

Equity in Athletics Disclosure Act Report

The purpose of this information is to disclose athletic participation rates and financial data related to athletics. This report is available from the Office of Institutional Effectiveness at <http://web.mnstate.edu/institut/>.

Annual Crime Report

MSUM's Annual Campus Crime Report is available online at <http://www.mnstate.edu/publicsafety/crimereports.aspx?terms=public%20safety>.

The Report contains

- Statistics for previous years of crimes reported on campus; in buildings or property owned or controlled by the University; and on public property within, or immediately adjacent to, the campus and reported to the University and/or the Clay County Sheriff's Department or the Moorhead Police Department.
- Crime prevention tips and campus safety programs.
- Policies and procedures concerning safety and security on the campus of Minnesota State University Moorhead including information required by the Student Right To Know, the Jacob Wetterling Act, Megan's Law, the Violent Crime and Control Law Enforcement Act of 1994, and the Drug Free Schools and Campuses Act.

If you are unable to access this report and wish a printed copy, or have other concerns about the report, please contact the Public Safety Office at (218) 477-2449.

Resources and Services

Academic Support Center

The Academic Support Center fosters student success and retention by providing a centralized location of resources for students, staff and faculty and integrated academic support services.

Alumni Foundation

The MSUM Alumni Foundation exists to secure, receive, manage, administer, and disburse private funds for MSUM; to promote and advocate positive relationships with the alumni of MSUM; and to enhance MSUM in every way.

Bookstore

The MSUM Bookstore is your one stop for official MSUM gear, textbooks, supplies, computers and software and gift items.

Career Development Center

The MSUM Career Development Center supports students in discovering their passions by providing programs, education, services and support throughout their journey from exploring student to prepared professional.

Comstock Memorial Union

The Comstock Memorial Union is an innovative, student-centered organization and facility. The CMU delivers valued services and programs that enhance campus life and inspire University involvement and commitment.

Disability Resource Center

The MSUM Disability Services Office has a commitment to ensure that students with documented physical, sensory, psychological or learning disabilities have equal access to programs and services.

Dragon Cards

The Dragon Card is required as your ID for using University facilities, participating in University sponsored events, acquiring non-directory student academic information or documents from academic offices and qualifying for University discount opportunities. They are also used for meal plans, Dragon Dollars, checking out library materials, printing, and banking.

Dragon Jobs

The Dragon Jobs is a one-stop resource for student employment. It connects students with employers by sharing job postings and internship listings.

Early Education Center

The mission of the Early Education Center is to provide high quality care and developmentally appropriate educational and social opportunities for university students' children who are between 16 months and 6 years.

Hendrix Clinic and Counseling Center

Hendrix Clinic and Counseling Center offers convenient mental and physical health care right on campus. Information on student health insurance and immunizations can be found on their website.

Housing and Dining Services

Housing and Residential Life strives to provide a comfortable and safe environment that fosters community, personal growth and academic success. This link will provide information on Residence Halls, Apartments, Learning Communities and Dining Services.

Instructional Technology

The Instructional Technology team enables and enhances student learning by providing instructors with support and resources for using technology in the development of customized learning environments.

Livingston Lord Library

The Livingston Lord Library supports academic and cultural experiences of students, faculty, and citizens of this region and encourages their active, life-long learning. The Library acquires and organizes resources and provides the services that sustain research, support curricula, teach critical thinking, advance information literacy skills, encourage reading, advocate intellectual freedom and enhance thoughtful, informed citizenship.

Public Safety

The Public Safety Office is committed to providing the highest quality services to the MSUM community in a professional, respectful, fair and compassionate manner. They are committed to the people, traditions and diversity on our campus and will work to create a safe environment where all can live, work and pursue academic success.

[Parking information](#) can be found on the Public Safety website.

Regional Science Center

The Regional Science Center is a program of MSUM. They provide programming in: PK-12 science and environmental education; PK-12 teacher education; college pre-service environmental teacher education; college field and research opportunities in observational astronomy, field biology and geology; and astronomy and natural history programs for the general public. They work closely with the local school districts, the Tri-College Universities, the Minnesota Department of Natural Resources, and area businesses, as well as state and national science and environmental organizations.

Russell and Ann Gerdin Wellness Center

The Wellness Center provides an opportunity for an active and healthy lifestyle to become a focus of our campus culture.

Speech and Hearing Clinic

The Speech and Hearing Clinic offers a complete range of speech, language and hearing services to people of all ages. Evaluations and screenings are conducted each week by appointment. Therapy is then tailored to individual needs.

Student Conduct and Resolution

The Student Conduct & Resolution Office maintains a university environment that is conducive to the academic success of all students, to protect the rights of all members of the university community, and to provide a disciplinary process in which participants experience personal growth and appreciation for the responsibilities of living in a community.

Veterans Resource Center

The Veterans Office provides counseling, GI Bill certifications, and tutorial assistance, and is concerned with recruiting veterans and veterans' dependents.

Women's Center

The mission of the Women's Center is to empower women and fulfill its vision by promoting feminist activism and women's self-determination. The Women's Center educates the campus community and creates a space for students, faculty, and staff to socialize and share ideas in a respectful manner. The Women's Center advocates an understanding of the intersection of multiple forms of oppression and how they affect women's lives.

Admission Information

For information on Admission into a Graduate program, go to the following:

<http://www.mnstate.edu/graduate/admission.aspx>

Financial Information **Business Services**

Tuition and fees are set by the Board of Trustees of the Minnesota State Colleges and Universities System and are subject to change without notice. Click on the link for information on Tuition and Fees, Payment Dates, Payment Plans, Refunds and Reciprocity.

Sources of Financial Assistance

Information on financial aid, scholarships, and graduate internships can be found at <http://www.mnstate.edu/graduate/finaid.aspx>

Information on graduate assistantships can be found at <http://www.mnstate.edu/graduate/assistantships.aspx>

Academic Information

The most current University Policies can be found on the [University Policies and Procedures webpage](#).

General Degree Requirements

A minimum of 30 credits is required for completion of a graduate degree at MSUM. In either Plan A or Plan B at least one-half of the credits (exclusive of thesis or Plan B project requirements) must be earned at the 600 level. Once admitted to a graduate program, the student will, in consultation with a program advisor, develop a preliminary plan of study which will meet the specific standards of the program, as well as the general requirements for all Master's and Specialist degrees.

Residence and Transfer of Credit

1. Residence requirement. At least one-half of the semester credits constituting the minimum requirements for the master's or specialist degree or graduate certificate must be completed through registration at MSUM in offerings by its faculty.
2. Courses taken before admission to graduate program. Nine semester credits for a master's or specialist degree or one-half (up to eight) of the credits required of a graduate certificate program may be taken at MSUM in a Graduate Special status before admission (full standing or provisional) to a graduate program. At least 21 semester credits for a master's or specialist degree program or one-half of the semester credits required for a graduate certificate, must be taken after program admission.
3. Transfer from other Minnesota State Universities. Courses from another Minnesota State University may be transferred to a graduate master's degree program or a graduate certificate

program based on the following: Up to 1/2 of the minimum course credits (not including project, thesis, internship, or practica credits) required for a master's or specialist degree may be transferred to an MSUM degree program with the approval of the graduate coordinator of the program involved.

a. Up to 1/2 of the minimum credits required for a graduate certificate may be transferred to an MSUM Certificate program upon the approval of the graduate certificate program coordinator.

b. An official transcript from each graduate institution from which the student wishes to transfer credits must be given to the records Office; the advisor will notify the records office which transfer credits are approved by the program and they will be added to the transcript. This will apply to credits transferred upon initial admission to MSUM as well as any credits taken after admission. But in no case may the total transfer credits be more than 1/2 of the minimum degree or certificate requirements.

c. The Records Office monitors degree requirements and will certify that all graduate degree requirements are met before commencement.

4. Transfer from Tri-College University. Courses approved for registration through the Tri-College University are transferred upon approval of individual programs. A 600 course from NDSU cannot be transferred to an MSUM degree program because NDSU transcripts state that these courses are not graduate level.

5. Transfer from other accredited institutions. If a student transfers to an MSUM master's or specialist degree or graduate certificate program after attending an accredited graduate institution (other than a Minnesota State College and University campus), a maximum of nine (9) semester credits may be accepted in transfer from other accredited institutions. This must be approved by the program coordinator.

6. Other requirements. A grade of A or B is required in any courses to be included in a master's or specialist degree program or graduate certificate program and not taken at this university. No "P" or "S" grades may be transferred. Individual programs may approve credits with grades of A or B (not pass/fail) in workshops or in special in-service courses. No more than 1/6 of the required master's degree or graduate certificate credits may be counted from workshop or special in-service courses. Some continuing education courses from MSUM may be counted towards the master's or specialist degree or graduate certificate requirements. These will be reviewed on a case-by-case basis by the program coordinator and the college dean. Any course transferred from other institutions (within, or outside of, the Minnesota State Colleges and Universities System) must meet the seven year time limit (or five years for Counseling and Student Affairs) for completion of the degree.

GPA Requirement for Continuation in Good Standing in Graduate Programs

Master's and Specialist Students

Students are required to maintain a 3.0 grade point average (GPA) on a 4.0 scale to be continued in a graduate program. A student whose GPA falls below 3.0 will be placed on probationary status for the next semester for which the student enrolls. An official letter will be sent by the Graduate Studies Office to notify such students that they are on probation. The record will be reviewed by the student's graduate program coordinator and a remediation plan will be developed. During the probationary semester, a minimum of 3.0 GPA must be achieved as well as the satisfactory completion of the remediation plan. A student's failure to satisfactorily complete the remediation plan and achieve a 3.0 in the semester following the probationary semester will result in suspension from the graduate school. Satisfactory academic progress is monitored by the Financial Aid and the Records Office. The Graduate Studies Office will be notified at the end of each academic semester, of those students who do not meet continuation standards and who have been placed on probation. The Graduate Studies Office will be in contact with the program coordinator to initiate the proceedings for the remediation plan. A student may appeal any of the decisions if the outcome(s) affect the student's academic or financial aid status.

Time Limitation

Master's and Specialist Students

All requirements for the master's and specialist degrees must be completed within seven years (five years in Counseling and Student Affairs) after taking the first graduate course that will be included in the program of study.

A student, in consultation with his/her advisor, may petition the Graduate Studies Office for an extension of the time limitation. Extensions may be for one semester or a full year. Extensions will be considered on a per case basis. If the student has not finished the degree towards the end of a second extension, he/she must consult with his/her advisor and the college dean to determine if another extension is warranted. Any extension given may require a detailed plan of completion as well as additional or repeated course work and/or research. This will be determined by the graduate program coordinator and the college dean at the time that the extension is approved.

Comprehensive and Oral Examinations and Research

In all graduate programs, a final integrating experience which assesses the body of knowledge that has been acquired through the course work and research is required. No degree is granted simply as the record of the accumulation of appropriate courses with adequate grades. The form of the final requirement differs among degree programs, but always includes an oral discourse. In it, the examining committee discusses the thesis or project research, the creative endeavor, or the integrating paper, and assesses the student's mastery of the several components of the degree course work.

Comprehensive Examination

Master of Science: Candidates in some MS programs and the Specialist in School Psychology must demonstrate competence in the major field in a comprehensive examination. The exam is

normally taken at the completion of the course work and prior to undertaking the research component of the degree program. The major department or program will determine the nature of the examination which must be satisfactorily completed and reported to the Graduate Studies Office on Form 3 before the oral examination on the research component can be scheduled. A student who fails the comprehensive examination may appeal through the appropriate department to repeat it during a subsequent term. A second failure will result in termination of degree program enrollment.

Oral Examinations

Master of Science: For either Plan A or Plan B the thesis or project must be defended in a final oral examination.

Master of Fine Arts in Creative Writing: Students completing the MFA will present a final oral discourse to their thesis committee on their thesis and critical introduction, as well as give a public reading based upon their creative thesis.

Master of Liberal Arts: Students completing the MLA will present the written results of their research or creative work under the MLA 610 rubric, an integrating paper, as the basis for a final oral discourse.

Specialist in School Psychology: Oral exam based on the final portfolio.

Research Components

Thesis Research (Plan A):

Master of Science, Master of Arts Degrees

A part of the program of every Master of Science or Master of Arts degree candidate under Plan A is the demonstration of ability to do individual, independent work of a creative or investigative kind in an area related to the major field through the preparation of a thesis. The thesis will be supported by the work represented in 4 hours of registration in Thesis 699. No more than 4 hours of 699 may be counted in satisfying the minimum requirements for an advanced degree under Plan A. Credit hour registration in a given term may vary with the nature of the study, according to the department or area, and on the previous agreement between the student and the advisor for expected research effort and adequate supervision.

Project (Plan B):

Master of Science, Master of Arts, Specialist Degrees

Students enrolled in a Master of Science or Master of Arts degree program under Plan B complete a 2-4 credit project which will integrate the studies included in the individual's program. The project must be approved by the major advisor and department.

Research Involving Human Subjects

If research is to involve human subjects, the research plan or project will be reviewed by an approved university procedure to assure the protection and rights of those subjects and the procedure established for obtaining informed consent. Research of this type may not be initiated until it has been approved by a thesis or project examining committee and the Institutional Review Board (IRB). Forms are available online on the [IRB website](#). Allow at least four (4) weeks during the academic year for IRB approval .

Policies and Regulations

Registration

Registration begins in the middle of the previous term and continues through the fifth day of the term being enrolled in. Registration changes may be made after initial registration. A class may be added through the fifth class day of the term, except for courses which begin later in the semester, or in special circumstances approved by academic appeal. Students may drop a class without record (no indication will appear on the transcript) by the fifth day of the class term. A class dropped after the first five days will appear on the student's record as a withdrawal ("W").

Refunds for dropped courses may apply and guidelines may be found at <http://www.mnstate.edu/business-services/>.

Registration must be completed and all tuition and fees must be paid to Business Services before published deadlines in order to prevent cancellation of course registrations.

Questions regarding the registration process may be directed to the Records Office.

Course Load

The normal course load for a graduate student is usually twelve (12) credits. Eight (8) graduate credits of enrollment are required for full-time status for students receiving financial aid, including the graduate assistant or work-study awards. Students that are enrolled for 6-7 graduate credits are entitled to pro-rated financial aid. Permission of the appropriate graduate program and college dean is required for registration in excess of fifteen (15) graduate credits in any academic term.

Graduate Courses

Courses at the 600 and 700 level are offered for graduate credit only. Courses offered at the 600 level are open to graduate students or to undergraduate seniors who meet specific requirements. Courses at the 500 level may be counted toward a graduate degree; these courses are also offered as 400 level courses for undergraduates. Graduate students are expected to perform on a qualitatively higher level than the undergraduates in 500 level courses; normally, additional requirements are made in these courses for graduate students. At least one half of the credits

meeting the degree requirement must be in 600 or 700 level courses (exclusive of Plan A Thesis or Plan B Project).

Auditing Courses

Students who wish to audit or attend a course without seeking credit must be admitted to MSUM, be registered for the course, and pay full tuition and fees. Classes taken for audit are not eligible for financial aid and do not count toward full-time status. Students may be billed for financial aid if classes taken for credit are later changed to audit status.

To audit a course, students shall attend class sessions but are not required to complete assignments or projects, participate in discussions, take examinations, or meet other requirements.

Students may declare the intent to audit a course by submitting a course audit form signed by the instructor by the tenth class day of a semester. Summer session dates vary based on the length of individual sessions; refer to drop dates posted on the Records Office website at www.mnstate.edu/records/.

Students may not receive credit for auditing a course except by re-enrollment for credit and successful completion of the course in a subsequent semester.

An entry of "AU" (Audit) is made on a student's permanent academic record.

Credit for Non-Academic Experience

It is the policy of MSUM that graduate credit will not be granted for work and other nonacademic experiences.

Grading System

Grades given in graduate courses include A, B, C, D, F and P (Satisfactory). In a continuing research course, a student may be given a grade of IP until the course is completed. W signifies withdrawal without penalty from the course. Only those credits which were completed with a grade of A, B, C, or P may be applied toward a Master's or Specialist degree. Graduate programs may designate core courses which must be completed with a grade of A or B in order to count toward the degree.

Failure to pass the comprehensive examination after two attempts results in termination of degree program enrollment.

Students who fail the final oral examination cannot receive a passing grade on the project or thesis and will not receive the degree. Students may appeal through the appropriate department and the Dean of Graduate Studies to repeat the oral examination during a subsequent term.

Grades and Grade Points

All study for university credit is recorded with the following grade designations:

A+	4.00 Grade points per credit
A	4.00 Grade points per credit
A-	3.67 Grade points per credit
B+	3.33 Grade points per credit
B	3.00 Grade points per credit
B-	2.67 Grade points per credit
C+	2.33 Grade points per credit
C	2.00 Grade points per credit
C-	1.67 Grade points per credit
D+	1.33 Grade points per credit
D	1.00 Grade point per credit
D-	0.67 Grade points per credit
F	0.00 Grade points per credit
FN	0.00 Grade points per credit
I	Incomplete
P	Pass
IP	In Progress
AU	Audit
W	Withdrawal

Grade Point Average

The grade point average (GPA) is computed by dividing the number of grade points earned in a given course or courses by the number of credits attempted. The GPA is based on MSUM grades only. Transfer courses are not used in computing the cumulative GPA.

Credits with grades of “P”, “I”, “IP”, “AU”, or “W” are not included in computing the GPA.

Credits with grades of “F” and “FN” are included in computing the GPA.

Incomplete Credits

The grade of “I” is reserved for students who are unable to complete course requirements within the allotted time for reasons satisfactory to the instructor and who have made arrangements for subsequent completion of coursework. If an incomplete requires substantial class attendance in a subsequent term, the student must register to repeat the course and pay tuition and fees.

It is the student’s responsibility to meet the instructor’s requirements for completing the course. Ordinarily, the incomplete must be made up during the next semester. (Students receiving financial aid may have specific requirements).

When requirements have been met, the instructor will notify the Record's Office of the replacement grade. Incompletes which have not been completed by the end of the next semester will become "F" grades.

Continuing/Continuous Registration

Candidates for graduate degrees must be enrolled for graduate academic credit at the time they sit for the final oral examination. In addition, some graduate programs have a continuous enrollment policy (Counseling and Student Affairs, Nursing and School Psychology). Students should view the program description pages in the bulletin for specifics. Unless dictated differently by a program, students may fulfill this requirement in one of four ways:

1. Concurrent enrollment in course work.
2. Enrollment for Plan A Thesis through 699.
3. Enrollment for Plan B Project through 696, 697 or 796.
4. Enrollment for one credit in 698 or 798: Continuing Registration.

Change of Graduate Program

Occasionally students will decide to change their degree program after being admitted to or starting a graduate program. Students must meet the admission requirements of the new program including a review and acceptance by that program's admission committee. To initiate a change in graduate program, a student must:

1. Complete a change of program form and submit it to the Graduate Studies Office. This form is available at the Graduate Studies Office or online at:
<http://www.mnstate.edu/graduate/studentresources/forms.aspx>.
2. Submit any required application materials for the new program that are not on file in the Records Office.

Dual Graduate Majors/Degrees

Any student wishing to pursue multiple graduate degrees from MSUM must meet all admission criteria and degree requirements for each program. A separate plan of study (Form 1) for each degree must be submitted and approved for each graduate program.

Appeals

All appeals from graduate students are addressed on a Graduate Appeals Form available in the Graduate Studies Office or online at <http://www.mnstate.edu/graduate/studentresources/forms.aspx>. The appeal process must be started within a year of the situation that generates the appeal with the exception of course grade appeals which must be initiated within 6 weeks of the close of the semester in which the student received the grade. Detailed procedures for filing appeals may also be obtained from the

Graduate Studies Office or online. The graduate student is responsible for following the designated procedures and filing the forms with the appropriate university offices.

Course Grade Appeal

Graduate and undergraduate students use the same policy and procedure for course grade appeals. Please refer to <http://www.mnstate.edu/policies/>.

Graduate Academic Appeal

The graduate student may file a graduate academic appeal for the following situations; retroactive withdrawal from courses, admission decisions, termination, degree requirements, course substitutions, course waivers, etc. The graduate academic appeal follows the following sequence: graduate program coordinator, graduate appeals subcommittee, and the Dean of Graduate Studies. The graduate academic appeals form is available from the Graduate Studies Office.

Appeal Timelines

The graduate student must begin the appeal process within a year of the occurrence for any type of appeal except for course grade appeals which must be initiated within six weeks of the close of the semester in which the student received the grade.

Certification/Licensure

Programs of study at MSUM are designed to help graduates meet certification or licensure requirements in Minnesota and North Dakota, but actual certification or licensure is the function of the states, not of any college or university. Earning an academic degree does not lead automatically to state certification or licensure. It is the students responsibility to be aware of the requirements for the state in which they wish to work.

Background Checks

Minnesota law requires any person who provides direct contact services to people receiving services from facilities and agencies licensed by the Minnesota Department of Human Services (DHS) and/or the Minnesota Department of Health (MDH) have a background study conducted by the state. Direct contact is defined as providing face-to-face care, training, supervision, counseling, consultation, or medication assistance to people receiving services from the agency or facility. Any individual who is disqualified from having direct patient contact as a result of the background study will not be permitted to participate in a clinical placement in a DHS or MDH licensed facility or agency. Failure to participate in a clinical placement required by the academic program could result in ineligibility to qualify for a degree in this program.

Students whose programs may involve DHS or MDH licensed facilities or agencies should contact the chair of their major program. Forms may be obtained from the program chair.

Degree Completion Procedures

Form 1: Proposed Graduate Course Plan:

Students are assigned a graduate advisor upon admission to a degree program. It is the student's responsibility to meet with the advisor to plan the appropriate courses in order to meet degree requirements. The plan should be recorded on Form 1, along with the signatures of advisor and program coordinator. The completed form is sent to the Graduate Studies Office.

Timeline for submission: end of first semester as an admitted graduate student.

Form 2: Part A: Thesis/Project Committee and Part B: Topic Approval and IRB

Verification:

Part A:

The student and advisor work together in determining whether to pursue the thesis or project option. After making this determination the student and advisor select faculty to sit on the student's committee. The committee must include a minimum of (3) faculty that have Graduate Faculty status with the exception of students in the Curriculum and Instruction program that need only to have (2) committee members. One committee member must originate from outside the student's chosen area of study.

Part B:

Upon determination of topic, a decision made by the student and their advisor, Part B is completed. If Human Subjects are involved in the research then Institutional Review Board (IRB) or Department Review Chair (DRC) approval is required before research can begin. All approval forms must be kept on file. After IRB or DRC approval, if required and the proposal is accepted then the student and advisor sign for approval.

Once Form 2 has been completed, send to the Graduate Studies Office.

Timeline for submission: prior to beginning research study.

Form 3: Preliminary Graduation Notice

Students who are nearing completion of their courses of study must obtain the signature of their advisor and program coordinator to verify that they are eligible to participate in commencement. Students completing their degree programs in spring are eligible to participate in May commencement; if completing a degree program in the summer or fall then the student is eligible to participate in December commencement.

Timeline for submission: Six weeks prior to commencement.

Form 4: Application for Graduate Degree

Prior to the oral defense, complete the top half of page 1 as well as the course work section on page 2. You should next make a visit to the Records Office to make sure all official transcripts are on record for any transfer credits you are listing for program requirements on Form 4. Bring Form 4 with you to the oral defense so you can obtain the final signatures of the thesis/project committee members as well as your advisor. The program coordinator will sign page 2 after

certifying that the courses fulfill the requirements for the degree. Then submit your thesis or project to the library at least 1 week prior to commencement. Return the completed Form 4 to the Graduate Studies Office.

Timeline for submission: One week prior to commencement.

Final Form for Thesis or Project Paper

Standards for the preparation of a research paper must conform to the manual of style required by the discipline in which the degree is taken. Students must work closely with their advisors and committees in the preparation of their research paper. MSUM requires a uniform title page to be used for all papers submitted.

The thesis, research or project paper must be reproduced using high quality printing. The paper is to be printed on one side only. The paper should not be bound in any permanent form prior to the oral examination. The following are minimum requirements for binding:

- Margins (including appendices): One inch top, right, bottom; one and one half inch left.
- Table placement: Tables placed lengthwise on the paper should be placed so that the top of the table is at the left margin.
- Paper quality: white, acid free, at least 25 % cotton fiber, watermarked, no recycled fibers, and 20 pound weight.
- Acceptable paper suppliers and brands: Copies Plus (located in the CMU) carries the paper that meets all of the above requirements. If you are going to purchase the paper at a supply store, look for Southworth Acid Free Thesis Paper or Southworth Fine Laser Paper or any other paper that meets all of the paper quality requirements.

Commencement

Notify the Graduate Studies Office (submit Form 3) of your intent to graduate as soon as possible but no later than six (6) weeks prior to commencement.

Degrees are posted to transcripts by the Records Office three (3) times a year: at the end of the fall semester, spring semester, and summer session. There are two (2) commencement ceremonies during the year: at the end of fall semester in December and at the end of spring semester in May. Students completing all degree requirements during the summer are eligible to participate in December commencement.

Exceptions to this policy are made on a case-by-case basis. Students may appeal through the graduate appeal process. Appeals must be filled out no later than six (6) weeks prior to commencement. Students should consult with their Program Coordinator and/or advisor to determine if an appeal is warranted.

An appeal will not be considered if any of the following apply: the oral discourse has not be scheduled, the thesis or project is not finished, or more than six (6) graduate credits are still needed to meet credit requirements for the degree (unless the credits are for Internship/Practicum and all other requirements are completed).

Academic garb should be ordered from the Bookstore no less than eight weeks prior to commencement. Students who plan on participating in commencement will need to submit their hood to the Graduate Studies Office at least one week prior to commencement.

Forms can be found at <http://www.mnstate.edu/graduate/studentresources/forms.aspx>.

Majors, Minors, and Certificates

This is a listing of available graduate degree programs here at MSUM.

Master of Arts in Teaching English as a Second Language

Program Coordinator: Linda Houts-Smith, PhD

Maclean 279B, (218) 477-4059

houtsli@mnstate.edu

The Master of Arts in Teaching English as a Second Language is a degree for individuals who wish to practice teaching ESL/EFL in a classroom setting in a variety of contexts: K-12 schools, intensive English language programs, adult basic education programs, or community college programs. It is intended to prepare individuals who have previous training or experience in a related field, such as education, English, or other language study. While the master's degree may lead to an add-on K-12 license in ESL for already certified teachers, it will not provide initial preparation for individuals who do not hold an existing license. Since licensure requirements vary from state to state, students should consult licensing boards in the states where they wish to work to determine whether the MA TESL will meet the requirements in the state of the student's choice. 36 credits.

Admission Requirements

Information on Admission Requirements can be found on the [Graduate Studies](#) webpage.

Core Requirements (10 credits)

ED 602 Statistics in Education (2)

ED 603 Methods of Research (2)

LANG 693 Qualitative Research Methods (2)

TESL 699 Thesis (4) **or**

TESL 696 Plan B Project (4)

Program Requirements (20 credits)

TESL 551 English Structures (3)

LANG 557 Second Language Acquisition and Language Teaching (3)

TESL 625 Social, Cultural, and Political Contexts of Language and Literacy (3)
TESL 654 Pedagogical Grammar (3)
TESL 670 Designing ESL Courses (3)
TESL 675 Assessment in TESL (3) **or**
LANG 575 Second Language Assessment (3)
ED 694V Internship in Education (1-10; 2 min)

Related Requirements

K-12 teachers seeking licensure in ESL who have not previously studied a second or foreign language for one year at the college level or its equivalent are required to do so to meet Minnesota State Board of Teaching Standards. Any non-native language may be taken, and a number of options are available at MSU Moorhead or through the Tri-college system for students who must meet the requirement while pursuing the master's degree. These courses are offered at the undergraduate level. Students should consult their advisors at the time of admission to determine whether they already meet the requirement or not.

Restricted Electives (6 credits)

Choose from six credits:

TESL 555 Oral Discourse Structures (3)
TESL 556 Written Discourse Structures (3)
TESL 627 Cultures in Schools (3)
TESL 672 Content-based Instruction (3)
TESL 690 Special Topics (1-4)
TESL 697 Independent Study (1-4)

Master of Business Administration

Program Coordinator: Sheri Erickson, PhD
Center for Business 204B, (218) 477-4073
erickson@mnstate.edu

The objective of the Master of Business Administration (MBA) program offered by the School of Business at Minnesota State University Moorhead is to provide professionals in the region with the skills necessary to become more effective leaders in their industry. The MBA courses include content covering quantitative methods, entrepreneurship, international marketing, project management, and investments. The MBA program is a professional program that serves students with undergraduate degrees in any field of study. The program is structured to provide students with an operational understanding of the functional areas of business, the tools to apply critical thinking skills to managerial decisions, and a framework for strategic thinking and planning that applies to all areas of business.

The program will be offered using a hybrid model characterized by a combination of online coursework and face-to-face (F2F) meetings. The F2F sessions will use an executive friendly format that includes two to four evening and/or weekend meetings per semester.

Description

The Master of Business Administration Program at MSUM is a professional program that serves students with undergraduate degrees in a variety of fields of study. The program is structured to provide students with: 1) an operational understanding of the functional areas of business, 2) the tools to apply critical thinking skills to managerial decisions, and 3) a framework for strategic thinking and planning that applies to all areas of business. The program is delivered in a hybrid format, with online and face to face components. 37 credits

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Graduates will:

- Demonstrate an operational understanding of basic business disciplines including accounting, finance, marketing and management in the successful functioning of a firm.
- Demonstrate the ability to communicate effectively.
- Apply critical thinking skills to managerial decisions.
- Demonstrate strategic thinking.

Core Requirements (22 credits)

MBA 611 Marketing Management (3)
MBA 621 Managerial Accounting (3)
MBA 631 Financial Management (3)
MBA 641 Human Resource Management (3)
MBA 651 Organizational Behavior (3)
MBA 682 Operations Management (3)
MBA 696 Portfolio/Plan B (1)
MBA 697 Strategic Management (3)

Program Requirements (15 credits)

BUS 602 Quantitative Methods (3)
BUS 648 Investments (3)
MBA 615 International Marketing (3)
MBA 661 Entrepreneurship (3)
MBA 685 Project Management (3)

Master of Business Administration: Healthcare Management

Program Coordinator: Sheri Erickson, PhD
Center for Business 204B, (218) 477-4073
erickson@mnstate.edu

The Master of Business Administration (MBA) Health Care Management is a unique program with a curriculum that draws courses and faculty expertise from the School of Business, the Department of Economics, and the Department of Health Services Administration. The program is designed for high level healthcare managers and upon successful completion of the program individuals will be able to assume leadership roles in the healthcare industry. 37 credits

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Graduates will:

- 1) Demonstrate an operational understanding of basic business disciplines including accounting, finance, marketing and management in the successful functioning of a firm.
- 2) Demonstrate the ability to communicate effectively.
- 3) Apply critical thinking skills to managerial decisions.
- 4) Demonstrate strategic thinking.

Core Requirements (22 credits)

MBA 611 Marketing Management (3)
MBA 621 Managerial Accounting (3)
MBA 631 Financial Management (3)
MBA 641 Human Resource Management (3)
MBA 651 Organizational Behavior (3)
MBA 682 Operations Management (3)
MBA 696 Portfolio/Plan B [in your final semester] (1)
MBA 697 Strategic Management (3)

Program Requirements (15 credits)

ECON 610 Health Care Economics (3)
MBA 671 Health Care Delivery Science (3)
MHA 618 Health Care Law and Ethical Decision-Making (3)
MHA 620 Health Care Policy and Reimbursement (3)
MHA 638 Health Care Information Systems (3)

Master of Healthcare Administration

Program Coordinator: Brandi Sillerud
213 Lommen Hall, (218) 477-2693
brandi.sillerud@mnstate.edu

The Master of Healthcare Administration (MHA) program provides students with the skills and experience to be competitive in a variety of professional settings. Building on students' existing leadership skills, management styles and current understanding of healthcare policy in the highly regulated healthcare industry, students will be able to dynamically contribute to the improvement of the delivery of services throughout the healthcare continuum. 37 credits

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Core Requirements (37 credits)

MHA 638 Health Information Systems (3)
ECON 610 Health Care Economics (3)
MBA 611 Marketing Management (3)
MBA 641 Human Resource Management (3)
MBA 671 Health Care Delivery Science (3)
MHA 614 Strategic Management of Health Care Organizations (3)
MHA 618 Health Care Law and Ethical Decision Making (3)
MHA 619 Applied Health Care Financial Management (3)
MHA 620 Health Care Policy and Reimbursement (3)
MHA 622 Health Care Quality and Regulatory Management (3)
MHA 669 Capstone I (1)
MHA 670 Capstone II (6)

Master of Science in Accounting and Finance

Program Coordinator: Sheri Erickson, Ph.D
Center for Business 204B, 218.477.4073
erickson@mnstate.edu

The Master of Science in Accounting and Finance program is designed to provide a unique blend of two disciplines and practice. Students completing the program will be well-prepared to pursue careers in investment management or accounting and to obtain professional designations like Chartered Financial Analyst (CFA) or Certified Public Accountant (CPA).

Professional certifications are becoming increasingly important in today's competitive business environment. This program helps prepare students to obtain one or more of these professional certifications. One goal of the program is to improve the marketability of both accounting and finance graduates.

The School of Business is accredited by AACSB International. Fewer than 5% of the world's business schools have achieved this distinction, which involves a process of rigorous internal review and evaluation. AACSB accreditation signifies that the School of Business has a high quality teaching environment, a commitment to continuous improvement, and curricula responsive to the needs of business.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

MSAF Program Learning Goals and Objectives

1. Solving financial problems – Graduates will demonstrate the ability to apply financial concepts to solve financial problems.
 - 1.1. Graduates will be able to evaluate alternative financial strategies and select an appropriate course of action.
2. Accounting research – Graduates will demonstrate the ability to conduct accounting research effectively.
 - 2.1. Graduates will be able to identify and access relevant rules and standards.
 - 2.2. Graduates will be able to resolve conflict or ambiguity in accounting standards.
 - 2.3. Graduates will be able to extrapolate from available rules and guidance to solve problems not addressed by existing standards or rules.
3. Financial statements analysis – Graduates will demonstrate the ability to use financial statement information effectively.
 - 3.1. Graduates will be able to assess quality of reporting by a corporation.
 - 3.2. Graduates will be able to identify and apply necessary adjustments to reported financial information to enhance comparability and financial analysis.
 - 3.3. Graduates will be able integrate financial statements information into financial recommendations.
4. Communication – Graduates will demonstrate the ability to communicate effectively.
 - 4.1. Graduates will be able to write effectively in their field.
 - 4.2. Graduates will be able to deliver an effective oral presentation in their field.

Core Requirements (16 credits)

BUS 602 Quantitative Methods (3)

BUS 640 Financial Statement Analysis (3)

BUS 642 Corporate Finance (3)

BUS 644 Advanced Financial Statement Analysis (3)

BUS 648 Investments (3)
BUS 696 Project/Action Research (Plan B) (1)

Program Requirements

- 31 credits for degree completion; 15 core credits, 15 elective credits, 1 portfolio credit.
- A student must maintain a minimum GPA of 3.0 in the program. If a student's GPA falls below 3.0 then the student will be placed on probation and allowed to take only 6 credits the following semester. If after taking 6 credits during probation, the student's GPA is still below 3.0 then the student will be expelled and not allowed to reapply.
- Students who wish to transfer credits from other institutions or have taken courses before admission to the graduate program should refer to the "Residence and Transfer of Credit" section in the Graduate Bulletin for further information.
- Completion of oral examination which serves as a review of the student's portfolio.

Restricted Electives (15 credits)

Students select 5 courses from the following list:

ACCT 507 Commercial Transactions, Property, and Special Topics (3)

ACCT 532 Advanced Accounting II (3)

ACCT 541 Tax Accounting I (3)

ACCT 543 Tax Accounting II (3)

ACCT 561 Audit II (3)

FINC 545 International Financial Management (3)

FINC 546 Financial Decision Making (3)

FINC 560 Portfolio Analysis and Management (3)

FINC 563 Futures and Options (3)

Note: Students enrolling in 400 level cross-listed courses to meet undergraduate degree requirements will not be allowed to use them for graduate credit.

Master of Science in Counseling and Student Affairs

Program Coordinator: Lisa Karch, PhD, LPC, NCC, NCSC
Lommen 113H, (218) 477-2699
lisa.karch@mnstate.edu

Program Description

The Counseling and Student Affairs (CNSA) program emphasizes the integration of counseling and developmental theories with interpersonal skill development. It has a generalist orientation, but can be individualized to meet each student's educational and professional goals. The program provides extensive practical opportunities through practicum and internship experiences as well as relevant coursework. It can be completed full-time (maintaining 6-9 credits per semester) in two years or part-time students have up to five years. The curriculum is designed to help students develop core-helping skills and engage in concentrated study in one of three degree emphases: Clinical Mental Health Counseling,

School Counseling, and Student Affairs and College Counseling, each of which has specialized accreditation from the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). These programs also prepare students to apply for state licensing and national certification in professional counseling.

Program Emphases

The **Clinical Mental Health Counseling** emphasis prepares students for positions in community mental health settings as well as college and universities counseling services. A counseling practicum and an internship in a community counseling setting or college counseling center is required. Graduates may work in settings such as community mental health clinics, hospital in-patient facilities, marriage & family centers and college and university settings.

The **School Counseling** emphasis prepares students for licensure or certification as a school counselor. Students complete coursework as well as one semester of practicum and two semesters of internship in elementary schools, middle schools, and high schools. School counselors are no longer required to have a teaching license in order to become a school counselor in Minnesota or North Dakota.

The **Student Affairs and College Counseling** emphasis prepares students for positions in colleges and universities. The Student Affairs emphasis provides coursework specific to student affairs in higher education as well as three semesters of practicum/internship in a college or university setting. Student affairs graduates may work in areas such as admissions, residence halls, the student union, financial aid, and advising centers. The College Counseling emphasis prepares students to work in college counseling centers or college career counseling centers. A counseling practicum with college students and an internship in a college counseling center is required.

***There is the option for dual emphasis areas/dual licensure. See Course Requirements for further information.

Accreditation

Minnesota State University Moorhead's graduate program in Counseling and Student Affairs has specialized accreditation from the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). The specialized accreditation is granted by CACREP which is an accrediting body recognized by the Council for Higher Education Accreditation. The program offers three CACREP accredited emphases: Clinical Mental Health Counseling, School Counseling (K-12), and Student Affairs and College Counseling.

Benefits of the Counseling and Student Affairs Program

The Counseling and Student Affairs graduate program at MSUM is unique in its flexibility and individual attention to graduate students. Some of the strengths of the program include: small class sizes, frequent interaction between faculty, staff and students, with additional faculty support provided during practicum and internship semesters. In addition, students have an outstanding record of excelling on standardized national counselor examinations, which are necessary for certification and licensure. Graduates have high placement rates obtaining relevant employment in their field of interest. All of the courses are offered after 4:30 p.m. in the evenings and many are offered as hybrid delivery (combination of online and face-to-face classroom learning) to accommodate working, part-time and full-time student needs.

Master of Science in Counseling and Student Affairs

Description

The Counseling and Student Affairs (CNSA) program emphasizes the integration of counseling and developmental theories with interpersonal skill development. It has a generalist orientation, but can be individualized to meet each student's educational and professional goals. The program provides extensive practical opportunities through practicum and internship experiences as well as relevant course work. It can be completed full-time in two years or part-time students have up to five years. The curriculum is designed to help students develop core-helping skills and engage in concentrated study in one of three degree emphases: Clinical Mental Health Counseling, School Counseling, and Student Affairs and College Counseling, each of which has specialized accreditation from the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). These programs also prepare students to apply for state licensing and national certification in professional counseling. The Clinical Mental Health Counseling emphasis prepares students for positions in community mental health settings as well as college and universities counseling services. A counseling practicum and an internship in a community counseling setting or college counseling center is required. Graduates may work in settings such as Community Mental Health Clinics, Hospital in-patient facilities, Marriage & Family Centers and college and university settings. The School Counseling emphasis prepares students for licensure or certification as a school counselor. Students complete coursework as well as one semester of practicum and two semesters of internship in elementary schools, middle schools, and high schools. School counselors are no longer required to have a teaching license in order to become a school counselor in Minnesota or North Dakota. The Student Affairs and College Counseling emphasis prepares students for positions in colleges and universities. The Student Affairs emphasis provides coursework specific to student affairs in higher education as well as three semesters of practicum/internship in a college or university setting. Student Affairs graduates may work in areas such as Admissions, Residence Halls, the Student Union, Financial Aid, and Advising Centers. The College Counseling emphasis prepares students to work in college counseling centers or college career counseling centers. A counseling practicum with college students and an internship in a college counseling center is required. The Counseling and Student Affairs graduate program at MSUM is unique in its flexibility and individual attention to graduate students. Some of the strengths of the program include: small class sizes, frequent interaction between faculty, staff and students, with additional faculty support provided during practicum and internship semesters. In addition, students have an outstanding record of excelling on standardized national counselor examinations, which are necessary for certification and licensure. Graduates have high placement rates obtaining relevant employment in their field of interest. All of the courses are offered after 4:30 p.m. and in the evenings and majority of courses are offered on-line/hybrid to accommodate working, part-time and full-time student needs.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

The Counseling and Student Affairs (CNSA) program prepares graduate students for careers and leadership positions in education, mental health and human service professions. The essence of the Clinical Mental Health Counseling, School Counseling, and Student Affairs and College Counseling professions is the ability to relate to clients and students in ways that are helpful which facilitates personal and professional growth. The basic knowledge and **core skills** required are essentially the same for all three emphases. Therefore, the objectives of this program are to develop students who:

1. Possess a high level of empathic counseling skills intended to facilitate client emotional growth.
2. Exhibit the attitudinal dimensions of unconditional positive regard, empathic understanding, and congruence.
3. Can articulate the developmental levels of others and can assist in their emotional growth and development.
4. Have highly developed counseling skills and the ability to use them in assisting clients, students and families.
5. Are well grounded in a variety of counseling theories and can effectively use theoretical techniques.
6. Are able to use a variety of assessment methods and skills in order to help individuals' better meet their needs.
7. Are knowledgeable about group dynamics and can facilitate group process.
8. Are knowledgeable about and can identify skills for working effectively with various groups in our multicultural and diverse workplaces and society.
9. Understand the career development process and can identify skills for assisting others in career development.
10. Can use research methods and evaluation skills to improve performance and evaluate literature.
11. Can articulate a counselor identity and sense of themselves as beginning professionals.
12. Adhere to ethical standards of professional practice.
13. Can assess individual, group, and systems interventions in order to apply them effectively.
14. Can articulate and are knowledgeable about their professional competencies and scope of practice.

Core Requirements (36 credits)

The core must be completed by all students majoring in any of the Counseling and Student Affairs concentrations: Clinical Mental Health Counseling, School Counseling or Student Affairs and College Counseling.

A total of 60 (54 for School Counseling) credits is needed for the degree.

CORE - 36 credits

CNSA 605 Counseling Research, Statistical Methods and Program Evaluation (3)
 CNSA 610 Foundations of Counseling (3)
 CNSA 611 Theories of Individual and Family Counseling (3)
 CNSA 612 Counseling Assessment & Appraisal (3)
 CNSA 613 Career Development (3)
 CNSA 614 Human Growth and Development for Counselors (3)
 CNSA 615 Social and Cultural Foundations of Counseling (3)
 CNSA 620 Counseling Skills I (3)
 CNSA 630 Group Counseling (3)
 CNSA 640 Ethical and Legal Issues in Counseling (3)
 CNSA 682 Trauma Informed & Crisis Management (3)
 CNSA 696 Plan B or CNSA 699 Plan A (3)

Program Requirements

- A core of 36 credits is required of all candidates. Additional credits specific to each of the emphases are also required.

- Continued improvement in interpersonal competence and counseling skill development. Students are reviewed each semester to determine their satisfactory progress.
- A 3.0 grade point average is required for courses submitted for the degree and a grade of B or better in all required courses.
- Successful four-or six-credit internship.
- Comprehensive examination passed.
- Master's thesis, or Project satisfied through Plans A or B.
- Oral examination which is a review of the student's Capstone project.

Students must adhere to ethical standards of the profession, function in an adequate fashion and at an acceptable professional level in the practicum and internship settings, demonstrate personal qualities consistent with professional norms, and maintain continuous registration.

Detailed information on these requirements and department policies and procedures may be obtained from the Counseling and Student Affairs Graduate Program Coordinator.

Emphasis in Student Affairs and College Counseling

Program Requirements (24 credits)

Fifteen credits plus nine more credits of electives required.

CNSA 660 Introduction to Student Affairs and College Counseling in Higher Education (3)
 CNSA 662 Administration of Student Affairs and College Counseling in Higher Education (3)
 CNSA 691C Practicum in Student Affairs and College Counseling (3)
 CNSA 692C Internship in Student Affairs and College Counseling (6)

Student Affairs Electives - need to take 9 more credits

ED 630 Leadership, Planning, and Organizational Behavior in Education (3)
 ED 635 Personnel, Supervision and Staff Development (4)
 ED 636 Policy and Educational Finance (2)
 ED 767 Organization and Administration of Higher Education (3)

College Counseling Electives - need to take 9 more credits

CNSA 655 Counseling Children, Adolescents and Their Families (3)
 CNSA 670 Administration of Clinical Mental Health Services and Counseling (3)
 CNSA 672 Clinical Appraisal and Diagnosis, Intervention and Treatment Planning (3)
 CNSA 674 Psychopathology for Mental Health Professionals: Childhood to Adulthood (3)
 CNSA 676 Clinical Supervision and Ethics (3)

Emphasis in Clinical Mental Health Counseling

Program Requirements (24 credits)

CNSA 655 Counseling Children, Adolescents and Their Families (3)
 CNSA 670 Administration of Clinical Mental Health Services & Counseling (3)
 CNSA 672 Clinical Appraisal & Diagnosis, Intervention & Treatment Planning (3)
 CNSA 674 Psychopathology for Mental Health Professionals: Childhood to Adulthood (3)

CNSA 676 Clinical Supervision and Ethics (3)
CNSA 691D Practicum in Clinical Mental Health Counseling - 150 hours (3)
CNSA 692D Internship in Clinical Mental Health Counseling - 750 hours (6)

These courses also required for Clinical Mental Health Counseling students wanting School Counselor Licensure:

CNSA 650 Organization and Administration of School Counseling Programs (3)
CNSA 652 Classroom Management for School Counselors (1)
PSY 634 Methods for Evidence Based Practice (2)
CNSA 691A Practicum in School Counseling - 150 hours (1)
CNSA 692A Internship in School Counseling - 300 hours (3)

Emphasis in School Counseling

Program Requirements (18 credits)

CNSA 650 Organization & Administration of School Counseling Programs (3)
CNSA 655 Counseling Children, Adolescents, and Their Families (3)
CNSA 652 Classroom Management for School Counselors (1)
PSY 634 Methods for Evidence Based Practice (2)
CNSA 691A Practicum in School Counseling - 150 hours (3)
CNSA 692A Internship in School Counseling - 750 hours (6)

School Counseling students wanting LPC/LPCC are required to take the following additional coursework:

CNSA 670 Administration of Clinical Mental Health Services & Counseling (3)
CNSA 672 Clinical Appraisal & Diagnosis, Intervention & Treatment Planning (3)
CNSA 674 Psychopathology for Mental Health Professionals: Childhood to Adulthood (3)
CNSA 676 Clinical Supervision and Ethics (3)
CNSA 691D Practicum in Clinical Mental Health Counseling - 150 hours (1)
CNSA 692D Internship in Clinical Mental Health Counseling - 550 hours (4)

Master of Science in Curriculum and Instruction

Program Coordinator: Mike Coquyt, Ed.D
Lommen 216C, (218) 477-2019
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Description

The Master of Science degree in Curriculum and Instruction provides candidates with both a theoretical base and opportunity for practical application within the areas of educational foundations, curriculum theory, instructional best practices, and educational research. The core requirements provide not only a theoretical base, but an opportunity to conduct action research in the classroom with the purpose of providing a solid research base that is appropriate for the P-12 teacher who seeks a means by which to increase student achievement. In addition to the core, students must select a 13-credit emphasis in one of

the following areas: Kodaly, Literacy, Special Education, Technology, Teaching English as a Second Language or Teacher Leadership.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Core Requirements (19 credits)

ED 601 Psychological Foundations of Education (2)
ED 603 Methods of Research (2)
ED 609 Action Research (2)
ED 613 Social, Cultural, Political and Community Dimensions of Education (4)
ED 632 Curriculum, Instruction, and Learning Theory (4)
ED 633 Technology and Information Systems (2)
SPED 664 Theory and Process of Consultation and Collaboration (3)

Program Requirements

- Minimum of 32 credits.
- 3.0 grade point average required for courses submitted for the degree.
- Action Research Project/Integrated Paper.
- Written Comprehensive Examination.

Detailed information on these requirements and department policies and procedures may be obtained from the Curriculum and Instruction Graduate Program Coordinator.

Emphasis in Kodaly

Program Requirements (13 credits)

Kodaly Emphasis Requirements (9 credits)

MUS 634 Kodaly Method for Training Teachers Level I (3)
MUS 635 Kodaly Method for Training Teachers Level II (3)
MUS 636 Kodaly Method for Training Teachers Level III (3)

Kodaly Electives (4 credits)

MUS 555A Music Performance (Applied Lessons in Piano) (1-3)
MUS 595 Special Topics in Music (1-2)
MUS 596 Workshop in Music Education (1-2)
MUS 620 Instrumental Ensemble (1)
MUS 621 Vocal Ensemble (1)
MUS 637 Orff-Schulwerk Level 1 (3)
MUS 655A Music Performance (Applied Lessons in Piano) (1-3)

Emphasis in Literacy

Program Requirements (13 credits)

EECE 613 Literacy Instruction and Assessment: A Historical Perspective (3)
EECE 614 Literacy in the Content Areas (3)
EECE 645 Developmental Diagnosis of and Instruction in Literacy (3)
EECE 646 Reading Clinic Diagnosis (2)
EECE 691 Administration and Supervision of Reading Programs (2)

Emphasis in Special Education

Program Requirements (13 credits)

SPED 555 Characteristics of Students with Learning and Behavior Problems (4)
SPED 613 Inclusive Teaching Practices (3)
SPED 620 Perspectives and Policies in Special Education (3)
SPED 670 Transitional/Career Education for Secondary Students (3)

Emphasis in Technology

Program Requirements (13 credits)

Technology Emphasis Requirements (8 credits)

ED 519 Creating Web-Based Curriculum Materials (2)
ED 523 Design of Online Instruction (2)
ED 534 Assessment Strategies for Technology-Enhanced Curricula (2)
ED 602 Statistics in Educational Research (2)

Technology Electives (5 credits)

ED 522 Electronic Resources: Issues and Practice (2)
ED 525 Methods of Computer-Mediated Communication in Education (2)
ED 527 Emerging Technologies (2)
ED 535 Infusing Technology into Mathematics (2)
ED 539 Infusing Technology into Literacy Instruction (2)
ED 542 Infusing Technology into the Science Curriculum (2)
ED 590 Topics in Education (1)

Emphasis in TESL

Program Requirements (13 credits)

TESL Emphasis Requirements (7 credits)

LANG 557 Second Language Acquisition and Language Teaching (3)

TESL 625 Social, Cultural, and Political Contexts of Language and Literacy (3)

TESL 690 Special Topics (1) **OR**

ED 694V Internship (1)

TESL Electives (6 credits)

TESL 551 English Structures (3)

TESL 654 Pedagogical Grammar (3)

TESL 670 Designing ESL Courses (3)

TESL 675 Assessment in TESL (3)

ED 694V Internship (3)

Emphasis in Teacher Leadership

Program Requirements (15 credits)

ED 630 Leadership, Planning, and Organizational Behavior in Education (3)

ED 634 Personal Communications and Ethics (3)

PSY 634 Methods for Evidence Based Practice (2)

ED 670 Educational Alternatives for Learning (2)

ED 671 Issues in Education (2)

ED 690 Topics Related to Instructional Coaching (2)

ED 694V Internship (1)

Master of Science and Specialist in Educational Leadership

Program Coordinator: Julie Swaggert, Ed.D

Lommen 214D, (218) 477-2898

julie.swaggert@mnstate.edu

The principal purpose of the Educational Leadership Program is to provide professional/academic education for individuals preparing for leadership in licensed administrative positions (i.e., elementary school principal, secondary school principal, community education director, special education director, school superintendent), and staff administrative positions (i.e., school district business managers, technology coordinators, curriculum coordinators, athletic directors).

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Candidates who complete the Master of Science in Educational Leadership, Specialist in Educational Leadership, or Administrative Licensed program are educational leaders who have the knowledge and ability to promote the success of all stakeholders by:

1. Facilitating the development, articulation, implementation, and stewardship of a school or district vision or learning, supported by the school community.
2. Promoting a positive school culture, providing an effective instructional program, applying best practice to student learning, and designing comprehensive professional growth plans for staff.
3. Managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment.
4. Collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources.
5. Acting with integrity, fairly, and in an ethical manner.
6. Understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context.

Core Requirements (18 credits)

The core must be completed by all students majoring in any of the Educational Leadership concentrations: Generalist Emphasis, K-12 Administration Emphasis, Technology Emphasis or Higher Education Emphasis. The courses for each of the three program options are listed at the bottom. Total credits will vary depending on selected emphasis; however total core coursework alone are 18 credits.

ED 630 Leadership, Planning, and Organizational Behavior in Education (3)

ED 631 Educational Law & Organizational Structure of Education (3)

ED 632 Curriculum, Instruction & Learning Theory (4)

ED 635 Personnel, Supervision & Staff Development (4)

ED 636 Policy and Educational Finance (2)

ED 645 Portfolio Option Pre-Assessment (1)

ED 646 Portfolio Option Post-Assessment (1)

Program Requirements

The degree is completed under Plan B.

1. Minimum of 32 credits.
2. 3.0 grade point average required for courses submitted for the degree.
3. Written Comprehensive Examination.
4. Individual study/portfolio option and subsequent oral examination.

Emphasis in Generalist

Program Requirements (14 credits)

Must take 14 credits from the list of courses below:

ED 601 Psychological Foundations of Education (2)
ED 603 Methods of Research (2)
ED 613 Social, Cultural, Political, and Community Dimensions of Education (4)
ED 633 Technology and Information Systems (2)
ED 634 Personal Communication and Ethics (3)
ED 717 Adult Learning (2)
ED 789 School Community Relations (2)
ED 790 Topics in Education (2)
ED 794 Practicum in Administration (1-6)
ED 796 Seminar in School Administration and Supervision (1-4)
CNSA 610 Foundations of Counseling (3)

Emphasis in K-12 Administration

Program Requirements (14 credits)

Must take 14 credits from the list of courses below:

ED 603 Methods of Research (2)
ED 613 Social, Cultural, Political, and Community Dimensions of Education (4)
ED 634 Personal Communications and Ethics (3)
ED 638 Administration of the Elementary School (2)
ED 639 Administration of the Secondary School (2)
ED 643 Secondary School Curriculum (2)
ED 670 Educational Alternatives for Learning (2)
ED 671 Issues in Education (2)
ED 690 Topics in Education (2)
ED 717 Adult Learning (2)
ED 789 School and Community Relations (2)
ED 790 Topics in Education (2)
ED 794 Practicum (2)
ED 796 Seminar in School Administration and Supervision (1-4)
EECE 642 Elementary School Curriculum (2)
PSY 634 Methods of Evidence Based Practice (2)
CNSA 610 Foundations of Counseling (3)
CNSA 612 Counseling and Individual Appraisal (3)

Emphasis in Technology

Program Requirements (14 credits)

Must take 14 credits from the list of courses below:

ED 519 Creating Web-Based Curriculum Materials (2)
ED 522 Electronic Resources: Issues and Practice (2)

ED 525 Methods of Computer-Mediated Communication in Education (2)
ED 534 Assessment Strategies for Technology-Enhanced Curricula (2)
ED 535 Infusing Technology into Mathematics (2)
ED 590 Topics in Education (1-4)
ED 601 Psychological Foundations of Education (2)
ED 602 Statistics in Educational Research (2)
ED 603 Methods of Research (2)
ED 633 Technology and Information Systems (2)
ED 634 Personal Communication and Ethics (3)
ED 697 Independent Study (2)
ED 790 Topics in Education (2)
PSY 634 Methods of Evidence Based Practice (2)
CNSA 612 Counseling Assessment and Appraisal (3)

Emphasis in Higher Education Administration

Program Requirements (14 credits)

Must take 14 credits from the list of courses below:

ED 603 Methods of Research (2)
ED 613 Social, Cultural, Political and Community Dimensions of Education (4)
ED 634 Personal Communications and Ethics (3)
ED 717 Adult Learning (2)
ED 727 Higher Education Law (3)
ED 767 Organization & Administration of Higher Education (3)
ED 780 Instructional Models (2)
ED 794 Seminar (2)
ED 796 Seminar in School Administration and Supervision (1-4)
CNSA 610 Foundations of Counseling (3)
CNSA 612 Counseling Assessment and Appraisal (3)
CNSA 661 Higher Education in the U.S. (1)

Specialist in Educational Leadership

Student Learning Outcomes

Candidates who complete the Master of Science or Specialist in Educational Leadership program are educational leaders who have the knowledge and ability to promote the success of all stakeholders by:

1. Facilitating the development, articulation, implementation, and stewardship of a school or district vision or learning, supported by the school community.
2. Promoting a positive school culture, providing an effective instructional program, applying best practice to student learning, and designing comprehensive professional growth plans for staff.

3. Managing the organization, operations, and resources in a way that promotes a safe, efficient, and effective learning environment.
4. Collaborating with families and other community members, responding to diverse community interests and needs, and mobilizing community resources.
5. Acting with integrity, fairly, and in an ethical manner.
6. Understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context.

Core Requirements (15 credits)

Specialist degree students are required to have completed all of the coursework prescribed for the master's degree in the same specialty option area. Students may complete deficiency work while enrolled in the specialist degree, but credit earned in coursework taken to remove deficiencies may not count in the minimum number of credits required for the specialist degree.

ED 717 Adult Learners (2)

ED 780 Instructional Models (2)

ED 782 Supervisory and Administrative Theory (4)

ED 788 School Finance and Business Management (4)

ED 789 School Community Relations (2)

ED 799 Thesis or Field Research (1-4)

Program Requirements

Specialist degree students are required to have completed all of the coursework prescribed for the master's degree in the same specialty option area. Students may complete deficiency work while enrolled in the specialist degree, but credit earned in coursework taken to remove deficiencies may not count in the minimum number of credits required for the specialist degree.

Students pursuing a specialist degree in educational leadership have many role specialty options to choose from, depending on their ultimate career goals: general administration, elementary principal, secondary principal, k-12 principal, special education director, superintendent, community education director, technology director, teaching and learning director, athletics/activities director or any number of higher education administrative positions.

Students entering the specialist program are required to conduct a needs assessment of their current competence in the Minnesota Administrative Competencies or the ELLC competencies/standards to determine a profile of their current knowledge, skill, and dispositions. This is done in close consultation with the student's advisor. From this needs assessment, a personalized Plan of Study is developed to fit the individual needs, course requirements and goals of the student.

Electives

ED 670 Educational Alternatives for Learning (2)

ED 671 Issues in Education (2)

ED 690 Topics in Education (1-4) ****may be repeated as topics change**

ED 797 Individual Study in Education (2) ****may be repeated up to 6 credits**

ED 796 Seminar in School Administration and Supervision (2) ****may be repeated**

(Superintendent Seminar, Special Education Director Seminar, Community Education Director Seminar, Athletic and Activities Director Seminar, Leadership in Education Seminar)

ED 794 Practicum (2)

(Elementary Principal, Secondary Principal, Superintendent, Special Education Director, Community Education Director, Budget and Finance, General Administration, Supervision)

ED 634 Personal Communication and Ethics (3)

SPED 664 Theory and Process of Consultation and Collaboration (2)

PSY 634 Methods of Evidence Based Practice (2)

ED 727 Higher Education Law (3)

ED 740 Financing Higher Education (3)

ED 767 Organization and Administration of Higher Education (3)

Master of Science in Nursing

Program Coordinator: Tracy Wright, PhD, RN-BC, CNE

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wrighttr@mnstate.edu

The School of Nursing and Healthcare Leadership (SNHL) includes Nursing and Health Services Administration programs. The incorporation of the two programs into a single school represents an interdisciplinary approach to the teaching of health fields with the integration of nursing services and management practice at the undergraduate and graduate levels.

The SNHL faculty members believe that health is the maximized potential and well-being of individuals, communities, and societies. SNHL's goal is to prepare students to promote optimal health along the continuum of life, from birth to death. Students seeking a career in the health care and service professions will have access to excellent programs and experienced faculty who prepare students for full professional roles.

The Master of Science with a major in Nursing is designed to prepare registered nurses holding a Baccalaureate Degree in Nursing for an advanced nursing role. The degree builds upon the general baccalaureate nursing competencies, is based on the American Association of Colleges of Nursing Master's Essentials, and provides curricula necessary to meet the education needs relative to the student's specific emphasis choice. Graduates will be better able to contribute to the advancement of nursing practice.

The Nursing Administration and Organizational Systems Leadership (NAOSL) emphasis prepares early career and current nurse leaders for graduate level nursing and healthcare leadership. Advanced education in nursing administration and organizational systems leadership addresses the growing need for system-wide leadership within the healthcare industry. The program emphasizes increased depth of understanding of the complex systems and issues involved. Graduate outcomes are based upon the American Association of Colleges of Nursing Master's Essentials and incorporates the competencies and essentials put forth by the American Organization of Nurse Executives, American Association of Critical-Care Nurses, and Essentials of Nurse Manager Orientation. The program will contribute significantly to the preparation of the graduate for American Organization of Nurse Executives (AONE) and/or Certified Nurse Manager and Leader (CNML) certification.

The Nurse Educator (NED) emphasis prepares BSN nurses at the Master of Science level in nursing education within the academic and clinical arenas. The emphasis is built upon the art and science of nursing education within the changing contexts of health care, nursing, higher education, and evidence-based practice. Within the broader Graduate Nursing program outcomes, the NED emphasis adapts to provide students with understanding and evidence-based application of the faculty role; teaching-learning processes; curriculum development, management and evaluation; program and student evaluation; and modalities to accomplish education within the various settings. Students receive experiential practica in nursing education at the practical, associate degree, and/or baccalaureate nursing level(s) in the classroom and clinical settings. Didactic work is delivered in an online format. The curriculum is based upon the American Association of Colleges of Nursing Master's Essentials and will contribute significantly to preparation for the National League for Nursing Certified Nurse Educator (CNE) certification.

ACCREDITATION

The graduate nursing program is fully accredited by the Commission on Collegiate Nursing Education (CCNE). Guidelines from national and specialty organizations were used to develop a curriculum that prepares graduates for certification examinations. MSU Moorhead is accredited by the Higher Learning Commission of the North Central Association of College and Schools at the Master's degree level.

CURRICULUM COMPONENTS

The curriculum includes graduate nursing core courses, specialty track advanced practice courses, clinical practica, and thesis. The program includes a choice of two specialty emphases:

- Nursing Administration and Organizational System Leadership
- Nurse Educator

Student Learning Outcomes

- Incorporate current and emerging evidence from nursing and related sciences into the delivery of nursing care to continuously improve healthcare outcomes.
 - Utilize a systems approach as an organizational leader to effectively plan resource use, guide ethical decision-making, role model critical reasoning, build relationships, promote evidence-based practice to improve systems, and assure safe, high quality nursing care outcomes.
 - Apply safety and quality principles, methods, performance measures, and standards to transparently and continually improve health outcomes across the continuum of care.
 - Integrate research, evidence, theory, clinical reasoning, and patient values to positively impact patient and population health outcomes.
 - Analyze, incorporate, promote, and evaluate current/emerging patient care, informatics, and communication technologies to deliver and enhance healthcare outcomes.
 - Evaluate, advocate for and support organizational/governmental policy to improve nursing, healthcare delivery, and population health outcomes.
 - Collaborate as leader/member of interprofessional teams to optimize care management and coordination.
 - Plan, implement, and evaluate evidence-based clinical prevention, health promotion, and population-based care appropriate for diverse individuals, families, communities, and aggregates.
 - Integrate the advanced art and science of nursing in role-specific competencies to influence outcomes at the individual, family, population, and systems levels.
-

Admission Requirements

In order to be admitted to the Graduate Nursing Program, the applicant must meet the following requirements:

Hold a BS or BA in nursing from an ACEN (formerly NLNAC) or CCNE accredited university.

1. a. CCNE “Board [has] acted not to accredit international programs housed entirely in foreign countries at this time” (CCNE Achieving Excellence in Accreditation, p. 32, retrieved 2014.06.11 from <http://www.aacn.nche.edu/ccne- accreditation/ accredited-programs>)
b. ACEN-International programs accredited by ACEN (formerly NLNAC) include Guam, Puerto Rico, Scotland, and Virgin Islands. (retrieved 2014.04.02 from <http://www.acenursing.us/ accreditedprograms/ programsearch.htm>)
2. Document current unencumbered registered nurse (RN) license in the US (does not need to be MN) (Photocopy acceptable).
3. Have a total cumulative local GPA (not including transfer credits) of at least 3.0 on a 4.0 scale in undergraduate courses at the last institution where the baccalaureate nursing degree awarded.

Post-Admission Requirements

1. Active and unencumbered RN license from a state within the US.
2. If clinical practica will occur in a state other than MN or ND, the student must have an unencumbered RN license in the state where practica will be completed.
3. Criminal background check on admission (ACI) and annually (MN DHS) each indicating ability to provide direct patient care.
4. Evidence of current immunizations and TB testing required. See Handbook section, "Health, Education, and Licensure Records."
5. Professional liability insurance. (Some clinical intra-agency contracts require students to have personal professional liability coverage in addition to the liability insurance coverage by the state institution).
6. Current CPR certification (healthcare provider or professional level).
7. An inferential statistics course at the undergraduate upper division or graduate level must be taken within three years of the student registering for NURS 603. This is to assure the students recollection of statistics is timely and useful as he/she begins application of the knowledge in studying the research process within his/her own thesis or project work.
8. A cumulative GPA of 3.0 is required to continue and graduate from the program. If the GPA falls below 3.0, the student is placed on probation for the next semester in which courses are taken. If the GPA remains below 3.0 at the end of the next semester, the student is withdrawn from the program. No more than two courses with a grade of C (including C+ and C-) may be applied to the program of study.

Core Requirements (21 credits)

- NURS 600 Theoretical Perspectives of the Discipline (3)
- NURS 603 Introduction to Research, Data Analysis and Informatics (3)
- NURS 604 Advanced Nursing Research and EBP (4)
- NURS 606 Healthcare Delivery Systems, Policy and Financing & Leadership (3)
- NURS 608 Transcultural and Social Perspectives (3)
- NURS 610 Health Promotion and Disease Prevention (3)

NURS 689 Thesis/Project Seminar 1 (1)
NURS 691 Thesis/Project Seminar 2 (1)

Program Requirements

- All students must complete the program within 7 years.
- Student progress at a part-time rate. Most students are also working in nursing practice; therefore, the program is geared for part-time progression.
- A maximum of 9 graduate semester credits from nursing, all of which must be related to the program, may be transferred from other appropriately accredited colleges or universities with the consent of the Graduate Nursing Program Coordinator. The transfer credits must be no older than seven years by the time of curriculum completion and carry a grade of B or better.
- A cumulative GPA of 3.0 is required to continue and graduate from the program. If the GPA falls below 3.0, the student is placed on probation for the next semester in which courses are taken. If the GPA remains below 3.0 at the end of the next semester, the student is withdrawn from the program. No more than two courses with a grade of C (including C+ and C-) may be applied to the program of study.
- Successful oral examination of the student by the candidate's committee based upon and following completion of the thesis/project and the majority of required coursework.

Detailed information on these requirements and department policies and procedures may be obtained from the Nursing Graduate Program Coordinator or from Nursing Program Handbook.

Emphasis in Nurse Educator

Program Requirements

Nurse Educator Emphasis (NED) [Core courses (21 credits) plus NED emphasis courses (25 credits)=46 total credits]

NURS 614 Advanced Pathophysiology and Pharmacology 1 (4)
NURS 616 Advanced Pathophysiology and Pharmacology 2 (3)
NURS 612 Advanced Health/Physical Assessment (3)
NURS 622 Teaching Technology and Information Management (3)
NURS 623 Nurse as Educator (3)
NURS 627 Program/Curriculum Design and Evaluation (3)
NURS 642P Advanced Nurse Educator Practicum I (2)
NURS 643P Advanced Nurse Educator Practicum II (2)
NURS 699 Thesis for Nursing (2)

Emphasis in Nurse Administration and Organizational Systems Leadership (NAOSL)

Program Requirements

Nurse Administration and Organizational Systems Leadership (NAOSL) [Core courses (21 credits) plus NAOSL emphasis courses (25 credits)=46 total credits]

ECON 610 Healthcare Economics (3)
MBA 641 Human Resources Management (3)
MHA 618 Healthcare Law and Ethical Decision Making (3)
MHA 638 Health Information Systems (3)
NURS 605 Healthcare Quality and Safety (3)
NURS 706 Organization and System Leadership (4)
NURS 644P NAOSL Practicum I (2) *100 clinical hours
NURS 645P NAOSL Practicum II (2) *100 clinical hours
NURS 699 Thesis for Nursing (2) **or**
NURS 696 Project (2)

Master of Science and Specialist in School Psychology

Program Coordinator: Olivia Melroe, Ph. D
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melroe@mnstate.edu

School psychologists provide a variety of psychological services primarily in public school settings. Through their skills in consultation, assessment, intervention and program evaluation, school psychologists work closely with teachers, administrators, parents, and community agencies to identify and treat students' problems. Specialist degree level school psychologists are in demand regionally and nationally. Our program is approved by the National Association of School Psychologists (NASP), NCATE, and the Minnesota Board of Teaching. Graduates meet the requirements for certification as school psychologists in Minnesota, North Dakota, South Dakota, and most other states.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Students who complete the Master of Science and Specialist in School Psychology will show evidence of knowledge and skills in:

- Data-based decision-making and accountability
- Consultation and collaboration
- Effective instruction and development of cognitive skills
- Socialization and development of life skills
- Student diversity in development and learning
- School and systems organization, policy development and climate
- Prevention, crisis intervention, and mental health
- Home/school/community collaboration
- Research and program evaluation
- School psychology practice and development
- Information resources

Core Requirements

PSY 517 Developmental Psychopathology (3)
PSY 601 Foundations of School Psychology (2)
PSY 611 Children's Thinking (2)
PSY 613 Biopsychology (2)
PSY 620 Measurement Theory (3)
PSY 621 Assessment/Intervention I: Basic Processes (4)
PSY 622 Assessment/Intervention II: Special Populations (4)
PSY 633 Statistics/Methods for School Psychologists (2)
PSY 634 Applied Research for School Psychologists (3)
PSY 635 Research Seminar in School Psychology (1)
PSY 641 Practicum in School Psychology I (1)
PSY 642 Practicum in School Psychology II (1)
PSY 699 Thesis in Psychology (4)
PSY 701 Issues in the Practice of School Psychology (2)
PSY 723 Assessment/Intervention III: Early Childhood (3)
PSY 724 Assessment/Intervention IV: Psychosocial Problems (4)
PSY 728 Systems Intervention (2)
PSY 744 Practicum in School Psychology III (1)
PSY 760 Internship in School Psychology (3)
PSY 796 Specialist Portfolio in School Psychology (2)
CNSA 520 Basic Counseling Skills (3)
SPED 664 Theory and Process of Consultation (2)
SPED 606 Research & Application in Behavior Analysis (3)
SPED 620 Perspectives and Policies in Special Education (3)
SPED 545 Remedial and Corrective Reading (3) **or**
SPED 570 Transitional Planning (3)
an equivalent special education methods course of a minimum of 2 credits approved by the Program Director.

Program Requirements

The School Psychology program requires 65 semester credits taken over three years. The program consists of two years of full-time on-campus course work and a one-year internship. A non-terminal Master's degree is awarded after the first 30 semester credits with the terminal Specialist degree awarded after the remaining 35 credits. It is expected that students will earn both the Master's and the Specialist degrees. Continuous registration from enrollment to completion of Specialist degree (excluding summers) in coursework at MSUM or PSY 698/PSY 798: Continuing Registration is required. Students are admitted only on a full-time basis with attendance beginning in the fall semester. Admission is limited and competitive. The application deadline is February 15 for both degree programs. Late applications will be considered if space is available.

The degree is completed under Plan A or Plan B.

1. Minimum of 30 credits.
2. Students who wish to transfer credits from other institutions or have taken courses before admission to the graduate program should refer to the "Residence and Transfer of Credit" section in the Graduate Bulletin for further information.

3. 3.0 grade point average required for courses submitted for the degree. A grade of "B-" is the minimum allowed in core school psychology classes and a "C-" is the minimum grade allowed in non-core classes.
 4. Written comprehensive examination.
 5. Thesis or Project.
 6. Oral examination in defense of the thesis.
-

Specialist in School Psychology

School psychologists provide a variety of psychological services primarily in public school settings. Through their skills in consultation, assessment, intervention and program evaluation, school psychologists work closely with teachers, administrators, parents, and community agencies to identify and treat students' problems. Specialist degree level school psychologists are in demand regionally and nationally. Our program is approved by the National Association of School Psychologists (NASP), NCATE, and the Minnesota Board of Teaching. Graduates meet the requirements for certification as school psychologists in Minnesota, North Dakota, South Dakota, and most other states.

Student Learning Outcomes

Students who complete the Master of Science and Specialist in School Psychology will show evidence of knowledge and skills in:

- Data-based decision-making and accountability
- Consultation and collaboration
- Effective instruction and development of cognitive skills
- Socialization and development of life skills
- Student diversity in development and learning
- School and systems organization, policy development and climate
- Prevention, crisis intervention, and mental health
- Home/school/community collaboration
- Research and program evaluation
- School psychology practice and development
- Information resources

Core Requirements

PSY 517 Developmental Psychopathology (3)
PSY 601 Foundations of School Psychology (2)
PSY 611 Children's Thinking (2)
PSY 613 Biopsychology (2)
PSY 620 Measurement Theory (3)
PSY 621 Assessment/Intervention I: Basic Processes (4)
PSY 622 Assessment/Intervention II: Special Populations (4)
PSY 633 Statistics/Methods for School Psychologists (2)
PSY 634 Applied Research for School Psychologists (3)
PSY 635 Research Seminar in School Psychology (1)
PSY 641 Practicum in School Psychology I (1)
PSY 642 Practicum in School Psychology II (1)

PSY 699 Thesis in Psychology (4)
PSY 701 Issues in the Practice of School Psychology (2)
PSY 723 Assessment/Intervention III: Early Childhood (3)
PSY 724 Assessment/Intervention IV: Psychosocial Problems (4)
PSY 728 Systems Intervention (2)
PSY 744 Practicum in School Psychology III (1)
PSY 760 Internship in School Psychology (3)
PSY 796 Specialist Portfolio in School Psychology (2)
CNSA 520 Basic Counseling Skills (3)
SPED 606 Research & Application in Behavior Analysis (3)
SPED 620 Perspectives and Policies in Special Education (3)
SPED 545 Remedial and Corrective Reading (3) **or**
SPED 570 Transitional Planning (3)
an equivalent special education methods course of a minimum of 2 credits approved by the Program Director.

Program Requirements

Degree completed under Plan B

1. Minimum of 35 credits (to total 65 for combined Master's and Specialist program).
2. National School Psychology exam.
3. 3.0 grade point average required for courses submitted for the degree. A grade of "B-" is the minimum allowed in core school psychology classes and a "C-" is the minimum grade allowed in non-core classes.
4. Portfolio demonstrating mastery of program objectives.
5. Final oral examination based on portfolio materials.

Master of Science in Special Education

Program Coordinators:

Graduate Licensure: Susan Severson, Ed.D., severson@mnstate.edu

Master's Degree: Ximena Suarez-Sousa, PhD, suarez@mnstate.edu

Lommen 211D, (218) 477-2007

The Master of Science in Special Education is designed to further professional skills in the areas of Special Education and related research. The program focus is to understand advanced concepts, critically review research, and apply these concepts and research to the professional practice through ongoing, systematic professional development. Within the Master's Degree, a student may choose to study a specific area of disability in one of the following areas: Specific Learning Disabilities, Emotional/Behavioral Disorders, Developmental Disabilities, Physical and Health Disabilities, Autism or Early Childhood Special Education.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Candidates who complete the Master of Science Degree in Special Education will be able to:

1. Demonstrate advanced knowledge and understanding of the principles of teaching and core content knowledge in special education.
2. Demonstrate advanced knowledge about assessment, teaching, and evaluation of learners with disabilities.
3. Demonstrate the ability to assume the professional role of a Special Education teacher and demonstrate appropriate disposition for teaching.
4. Demonstrate the ability to conduct professional research and writing capabilities through completion of written comprehensive exam and project or thesis.
5. Demonstrate advanced knowledge in the use of a variety of learning strategies which may include assistive technology and universal design in instruction.

Core Requirements (20 credits)

SPED 606 Research and Applications in Behavior Analysis (3)
SPED 613 Inclusive Teaching Practices (3)
SPED 620 Perspectives and Policies in Special Education (3)
SPED 664 Theory and Process of Consultation and Collaboration (3)
ED 603 Methods of Research (2)
ED 609 Action Research (2)
ED 632 Curriculum, Instruction and Learning Theory (4)

Program Requirements

Additional Requirements:

3.0 grade point average required for courses submitted for the degree.
Written comprehensive examination.
Oral examination of thesis or project by committee.

Emphasis in Autism Spectrum Disorders (ASD)

Program Requirements (12 credits)

SPED 531 Survey of Autism Spectrum Disorders (3)
SPED 532 Identification and Assessment of Autism Spectrum Disorders (3)
SPED 534 Instructional Strategies for Learners with Autism Spectrum Disorders (3)
SPED 536 Communication Strategies and Social Skills for Students with ASD (3)

Emphasis in Developmental Disabilities (DD)

Program Requirements (14 credits)

SPED 519 Biomedical Aspects (3)
SPED 556 Functional Curriculum and Assessment (4)

SPED 559 Communication Programming for Persons with Severe Disabilities (3)
SPED 570 Secondary Services and Transitional Planning (4)

Emphasis in Early Childhood Special Education (ECSE)

Program Requirements (15 credits)

SPED 519 Biomedical Aspects (3)
SPED 523 Young Children with Disabilities and Their Families (3)
SPED 524 Assessment in ECSE (3)
SPED 526 Infant/Toddler Strategies (3)
SPED 527 Instructional Strategies: Preschool (3)

Emphasis in Emotional/Behavior Disorder (EBD)

Program Requirements (14 credits)

SPED 555 Characteristics of Students with Learning and Behavior Problems (4)
SPED 563 Assessment Strategies (3)
SPED 578 Educational Interventions: Emotional/Behavioral Disorders (3)
SPED 570 Secondary Services & Transitional Planning (4)

Emphasis in Physical/Health Disabilities (PHD)

Program Requirements (14 credits)

SPED 519 Biomedical Aspects (3)
SPED 547 Physical and Health Disabilities (4)
SPED 559 Communication Programming for Persons with Severe Disabilities (3)
SPED 570 Secondary Services & Transitional Planning (4)

Emphasis in Specific Learning Disabilities (SLD)

Program Requirements (14 credits)

SPED 555 Characteristics of Students with Learning and Behavior Problems (4)
SPED 563 Assessment Strategies (3)
SPED 575 Informal Assessment/Teaching Strategies: Students with Learning Disabilities (3)
SPED 570 Secondary Services & Transitional Planning (4)

Master of Science in Speech-Language Pathology

Program Coordinator: Nancy Paul, Ph.D, M.S./CCC-SLP
Murray 223F, (218) 477-4642
paulnan@mnstate.edu

The master's degree offered by this department is a professional degree. Its title, Speech-Language Pathology, indicates that it is the entry-level clinical degree in the field of Speech-Language Pathology. Students completing this program are qualified for clinical positions in communication disorders throughout the nation. Those who excel in the master's program are encouraged to seek the doctoral degree at another university. See "Course Descriptions" for a listing of courses offered.

The Speech-Language Pathology graduate program at Minnesota State University Moorhead (MSUM) is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association (ASHA). Candidates for the master's degree fulfill academic and clinical requirements established by ASHA for the Certificate of Clinical Competence (CCC). The master's degree program is a cohort program and requires two years of study.

MISSION STATEMENT

The mission of the Speech/Language/Hearing Sciences Department is to provide an exemplary and rigorous education in human communication and its disorders; to foster evidence-based practices and the skills necessary to practice speech-language pathology competently; to demonstrate leadership in a diverse society; to meet the workforce needs of the region and to serve individuals affected by communication disorders.

The master's degree offered by this department is a professional degree. Its title, Speech-Language Pathology, indicates that it is the entry-level clinical degree in the field of Speech-Language Pathology. Students completing this program are qualified for clinical positions in communication disorders throughout the nation. Those who excel in the master's program are encouraged to seek the doctoral degree at another university. See "Course Descriptions" for a listing of courses offered.

The Speech-Language Pathology graduate program at Minnesota State University Moorhead (MSUM) is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association (ASHA). Candidates for the master's degree fulfill academic and clinical requirements established by ASHA for the Certificate of Clinical Competence (CCC). The master's degree program requires two years of study.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Core Requirements

Research Requirements (5 - 6 Credits)

SLP 601 Research Design in Speech-Language Pathology (2)

SLP 695 Portfolio (Plan B) (1-4)

SLP 699 Thesis (Plan A) (4)

Clinical Requirements (20 Credits)

SLP 646 Clinical Experience (1-4)

Academic Requirements (28 Credits)

Students will need to earn 28-29 SLP credits depending upon whether they have selected SLP 695 or SLP 699. All students are required to earn at least 53 credits to complete the degree.

SLP 621 Seminar: Cleft Palate and Phonological Disorders (2)

SLP 623 Seminar: Voice Disorders (3)

SLP 624 Seminar: Stuttering and Related Fluency Disorders (2)

SLP 627 Communication in Normal Aging and Dementia (2)

SLP 630 Adult Neurogenic Language Disorders (3)

SLP 631 Pediatric and Adult Motor Speech Disorders (2)

SLP 642 Augmentative and Alternative Communication (3)

SLP 647 Diagnostic and Appraisal Procedures (3)

SLP 681 Pediatric and Adult Swallowing Disorders (3)

SLP 683 Seminar in Child and Adolescent Language Disorders (3)

Additional Graduate Courses

SLP 690 Topics (1-4)

SLP 697 Independent Study (1-4)

SLP 698 Continuing Registration (1)

SLHS 573 Rehabilitation Audiology (4)

Program Requirements

Candidates for the master's degree fulfill academic and clinical requirements established by ASHA for the Certificate of Clinical Competence (CCC). The master's degree program requires two years of study. Highlights for achieving requirements for the CCC are as follows:

Must demonstrate through transcript credit (which could include course work, advanced placement, CLEP, or examination of equivalency) for each of the following areas: biological sciences, physical sciences, mathematics, and the social/behavioral sciences.

Minimum of 75 semester credit hours completed in a course of study addressing the knowledge and skills pertinent to the field of Speech-Language Pathology, including at least 36 hours at the graduate level.

Has gained knowledge and experience with individuals from culturally/linguistically diverse backgrounds and with client/patient populations across the life span.

Has knowledge of processes used in research and the integration of research principles into evidence-based clinical practice.

Possess skills in oral, written and other forms of communication sufficient for entry into professional

practice.

A minimum of 375 clock hours of supervised practicum experience and 25 hours of observation. Some of the above requirements are met by undergraduate courses.

Students who plan to seek clinical positions in schools should complete any additional requirements established by the credentialing authority in the states where they would seek employment.

Graduate Certificate in Biochemistry and Biotechnology Industry

College of Science, Health and the Environment
Contact Graduate Studies 218-477-2134

The Biochemistry and Biotechnology Industry Certificate program is a unique advanced training opportunity for individuals trained for bioscience, pharmaceutical, and chemistry careers. The program will prepare graduates to enter the workforce, provide training to incumbent workers for career advancement, and retrain displaced workers for new careers.

Program Requirements (21 credits)

BCBT 200 is required for students without any industry experience.

BCBT 200 Introduction to the Biochemistry and Biotechnology Industry (2)

BCBT 520 Intro to Working in a Regulated Biochemistry and Biotechnology Industry (4)

BCBT 525 Introduction to Validation in the Biochemistry and Biotechnology Industry (4)

BCBT 530 Intro to Quality Assurance and Quality Control in Biochem Biotech Industry (4)

BCBT 535 Ethics in the Biochemistry and Biotechnology Industry (3)

BCBT 569 Internship (1-12)

Graduate Certificate in Instructional Coaching and Teacher Leadership

College of Education and Human Services
Contact Graduate Studies 218-477-2134

The Instructional Coaching and Teaching Leadership Certificate is a fifteen (15) credit program designed for individuals who wish to develop their leadership ability for use in the classroom or in such expanded roles as lead teacher, instructional coach, team leader, curriculum developer, department chairperson, new teacher mentor or special project leader. The ICLC is intended for teachers who want to apply their knowledge and skill to the larger school community, yet may not want to leave their classrooms to do so.

Admission Requirements

1. Baccalaureate degree in Education from a regionally accredited institution.
2. Minimum one year documented and successful teaching, or comparable human service experience.
3. Undergraduate GPA or 2.75, or at least 30 semester hours of graded course work.
4. Completed "Application for Admission to Graduate Study" form.
5. Official transcripts from ALL colleges or universities attended.
6. Non-refundable \$20.00 fee for first-time applicants to Minnesota State University Moorhead.
7. Transfer courses evaluated and approved by the Graduate Program Coordinator and the Dean of Graduate Studies and submitted on the Request for Graduate Course Substitution form.
8. 250-300 word essay on professional goals and philosophy of education.

Student Learning Outcomes

1. Facilitate the collaborative analysis of classroom and school data to ensure that instructional practices and school structures are benefiting all students.
2. Employ outcome-based and facilitation skills to help colleagues work collaboratively to refine instructional practice, make ethical and educational decisions, and promote meaningful change in curriculum, instruction, assessment, school structures and culture that lead to improve teaching practices and increase student achievement.
3. Coach and mentor new teachers.
4. Observe and provide constructive feedback to teachers at all stages of their careers.
5. Apply decision making skills with the use of case studies.

Core Requirements (15 credits)

ED 630 Leadership, Planning, and Organizational Behavior in Education (3)
ED 634 Personal Communications and Ethics (3)
ED 670 Educational Alternatives for Learning (2)
ED 671 Issues in Education (2)
ED 690 Topics in Education (2) (Topics Related to Instructional Coaching)
ED 694V Internship (1)
PSY 634 Methods of Evidence Based Practice (2)

Graduate Certificate in Kodaly

College of Arts, Media and Communication Contact Graduate Studies 218-477-2134

The Kodály Method Summer Program is a graduate-level program designed for qualified educators and music supervisors at every level of musical instruction, from elementary, junior and senior high school through college and university-level students. To achieve Kodály certification, participants must complete all three sequential courses in the program. The courses are taught by an exceptional collection of certified Kodály instructors in a friendly, supportive, and educationally focused environment. The Kodály concept emphasizes music literacy based on singing folk songs. Music concepts are taught through a developmental sequence of skills. Teaching techniques include solfege syllables, Curwin hand signs and rhythm syllables.

Program Requirements

MUS 634 Kodaly Method for Training Teachers Level I (3)
MUS 635 Kodaly Method for Training Teachers Level II (3)
MUS 636 Kodaly Method for Training Teachers Level III (3)

Graduate Certificate in Professional Counseling

Counseling and Student Affairs Program Coordinator: Lisa Karch
Lommen Hall 113, (218) 477-2699
lisa.karch@mnstate.edu

Individuals already possessing a master's degree in school counseling, student affairs, psychology, human development, education, special education, social work, or any other mental health field at another institution may qualify for licensure certificate program status. The Graduate Certificate for Professional Counseling is intended to lead to state licensure. This program requires students to complete the equivalent of our degree program through transfer courses and courses taken at Minnesota State University Moorhead. Specified courses must be taken from MSUM. Contact the CNSA program coordinator for further information.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Candidates who complete the Graduate Certificate in **Professional Counseling** will be able to:

- Understand the roles and functions of clinical mental health counselors in various practice settings and the importance of relationships between counselors and other professionals, including interdisciplinary treatment teams.
- Understand a variety of models and theories related to clinical mental health counseling, including the methods, models, and principles of clinical supervision.
- Use the principles and practices of diagnosis, treatment, referral, and prevention of mental and emotional disorders to initiate, maintain, and terminate counseling.
- Demonstrate the ability to recognize his or her own limitations as a clinical mental health counselor and to seek supervision or refer clients when appropriate.
- Demonstrate the ability to modify counseling systems, theories, techniques, and interventions to make them culturally appropriate for diverse populations.
- Demonstrate appropriate use of diagnostic tools, including the current edition of the *DSM*, to describe the symptoms and clinical presentation of clients with mental and emotional impairments.

Core Requirements

Professional Counseling Grad Certificate - 17 credits

CNSA 670 Administration of Clinical Mental Health Services & Clinical Counseling Skills (3)
CNSA 672 Clinical Appraisal & Diagnosis, Intervention & Treatment Planning (3)
CNSA 674 Childhood Through Adulthood Psychopathology for Mental Health Professionals (3)
CNSA 676 Clinical Supervision and Ethics (3)
CNSA 691D Practicum in Clinical Mental Health Counseling – 150 hours (1)
CNSA 692D Internship in Clinical Mental Health Counseling – 550 hours (4)

Students who have a Master's Degree *other than Counseling*

CNSA 605 Counseling Research, Statistical Methods and Program Evaluation (3)
CNSA 610 Foundations of Counseling (3)
CNSA 611 Theories of Individual and Family Counseling (3)
CNSA 612 Counseling Assessment & Appraisal (3)
CNSA 613 Career Development (3)
CNSA 614 Human Growth and Development for Counselors (3)
CNSA 615 Social and Cultural Foundations of Counseling (3)
CNSA 620 Counseling Skills I (3)
CNSA 630 Group Counseling (3)
CNSA 640 Ethical and Legal Issues in Counseling (3)
CNSA 682 Trauma Informed & Crisis Management (3)

Graduate Certificate in Publishing

English

Weld Hall 216, (218) 477-2235

Description

Prepares students to work within the unique framework of the publishing industry, and to design and deliver an educational experience that allows students to learn about acquiring, editing, publishing and promoting new literature. Completion of the certificate would develop a set of skills that would qualify the student for entry-level employment in the publishing industry. This certificate may be added to either a Bachelor's or Master's degree.

Core Requirements

ENGL 502 Introduction to Publishing (3)
ENGL 590 Special Topics (1-4)
MFA 669 MFA Internship-Writing (1-6)
MFA 677 MFA Tutorial (1-3)
MFA 688 MFA Workshop (3)

Graduate Certificate in School Counseling

Counseling and Student Affairs Program Coordinator: Lisa Karch
Lommen Hall 113, (218) 477-2699
lisa.karch@mnstate.edu

Individuals already possessing a master's degree in counseling, psychology, education, special education, social work, or any other mental health field at another institution may qualify for licensure certificate program status. This program requires students to complete the equivalent of our degree program through transfer courses and courses taken at MSUM.

Admission Requirements

Information on admission requirements can be found on the [Graduate Studies](#) webpage.

Student Learning Outcomes

Candidates who complete the Graduate Certificate in **School Counseling** will be able to:

- Know the roles, functions, settings, and professional identity of the school counselor in relation to the roles of other professional and support personnel in the school.
- Understand current models of school counseling programs (e.g., American School Counselor Association [ASCA] National Model) and their integral relationship to the total educational program.
- Demonstrate the ability to apply and adhere to ethical and legal standards in school counseling.
- Demonstrate the ability to articulate, model, and advocate for an appropriate school counselor identity and program.
- Know the theories and processes of effective counseling and wellness programs for individual students and groups of students.
- Know how to design, implement, manage, and evaluate programs to enhance the academic, career, and personal/social development of students.
- Provide individual and group counseling and classroom guidance to promote the academic, career, and personal/social development of students.
- Develop measurable outcomes for school counseling programs, activities, interventions, and experiences.
- Analyze and use data to enhance school counseling programs.
- Know how to build effective working teams of school staff, parents, and community members to promote the academic, career, and personal/social development of students.

Core Requirements

School Counseling Graduate Certificate (13 credits)

CNSA 650 Organization and Administration of School Counseling Programs (3)
CNSA 655 Counseling Children, Adolescents and Families (3)
CNSA 652 Classroom Management for School Counselors (1)
PSY 634 Methods for Evidence Based Practices (2)

CNSA 691A Practicum in School Counseling – 150 hours (1)
CNSA 692A Internship in School Counseling - 300 hours (3)

Students without a teaching license for North Dakota School Counselor (additional 6 credits)

ED 601 - Psychological Foundations of Education (3 credits)
ED 632/732 - Curriculum, Instruction and Learning Theory (3 credits)
Praxis I & II

Students who have a Master's Degree *other than Counseling*

CNSA 605 Counseling Research, Statistical Methods and Program Evaluation (3)
CNSA 610 Foundations of Counseling (3)
CNSA 611 Theories of Individual and Family Counseling (3)
CNSA 612 Counseling Assessment & Appraisal (3)
CNSA 613 Career Development (3)
CNSA 614 Human Growth and Development for Counselors (3)
CNSA 615 Social and Cultural Foundations of Counseling (3)
CNSA 620 Counseling Skills I (3)
CNSA 630 Group Counseling (3)
CNSA 640 Ethical and Legal Issues in Counseling (3)
CNSA 682 Trauma Informed & Crisis Management (3)

Graduate Certificate in Teaching English as a Second Language (TESL)

College of Humanities and Social Sciences

Contact Graduate Studies 218-477-2134

This certificate is designed to provide training in the knowledge and skills necessary to teach English as a second or foreign language. It is applicable to licensure in teaching ESL in Minnesota for those who have also completed a teacher preparation program. Completion of the certificate requires 20 credits, which includes 2 credits of an internship in TESL. Licensure may require additional credits depending on student background and state in which licensure is sought.

Program Requirements (20 credits)

ED 694V Internship (2)
LANG 557 Second Language Acquisition & Language Teaching (3)
TESL 551 English Structures (3)
TESL 625 Social, Cultural, and Political Contexts of Language and Literacy (3)
TESL 654 Pedagogical Grammar (3)
TESL 670 Designing ESL Courses (3)
TESL 675 Assessment in TESL (3)

Licensure Requirements (optional)

- ED 694V (1-10) (internship credits beyond the required two credits may be taken by those who have researched into certain states and know they need more credits of practical experience than the two credit minimum entails.)
- Six credits of electives are required for licensure in Minnesota.
- Foreign Language Study (1 year college level study or equivalent required for Minnesota License)

Check with individual state boards for other requirements related to licensure in other states.

Nursing Administration and Organizational Leadership (NAOSL) Graduate Certificate

College of Science, Health and the Environment
Contact Graduate Studies 218-477-2134

The Nursing Administration and Organizational Systems Leadership (NAOSL) Certificate prepares early career and current nurse leaders in the areas of nursing and healthcare leadership at the graduate level. Advanced education in nursing administration and organizational systems leadership addresses the growing need for system-wide leadership within the healthcare industry. This graduate certificate program emphasizes the key areas of leadership essential to successfully navigating complex healthcare systems while in a leadership role. This program dovetails into the Masters of Science with Major in Nursing, NAOSL Emphasis for students wishing to continue their education and complete the full master's program.

Admission Requirements

- BS or BA in nursing from an NLN or CCNE accredited university
- Documentation of current unencumbered registered nurse (RN) license in the US
- Total cumulative local GPA (not including transfer credits) of at least 3.0 on a 4.0 scale in undergraduate courses at the last institution where nursing degree awarded
- Complete "Application for Admission to Graduate Study" form
 - International Students
 - You must complete the International Student Application packet where in you indicate if you are a US citizen
 - You must contact the International Student Office at 218-477-2956
 - You must hold a current Work Visa (not Student Visa) that will be valid throughout the course of study in the graduate program
- Completed "Nursing Application" form including:
 - 500 word essay describing professional experience and future professional goals
 - Three letters of recommendation (two from professional colleagues, 1 from personal; see provided nursing forms)
- Non-refundable \$20.00 fee for first-time applicants to Minnesota State University Moorhead

- Official transcripts from ALL colleges and universities attended
- Non-Minnesota applicants are not fully admitted until the Department of Higher Education in the applicant's state of residence has approved distance education/online programs from the state of Minnesota

Student Learning Outcomes

Upon completion of the Nursing Administration and Organizational Systems Leadership Certificate, graduates are expected to:

NAOSLC1. Incorporate theoretical contributions and scientific knowledge of the discipline into nursing practice, nursing administration, and nursing leadership.

NAOSLC2. Collaborate in scholarly activities of inquiry related nursing practice, nursing administration, and nursing leadership.

NAOSLC3. Contribute to the improvement of health policy, delivery of health services, and the financing of health care.

NAOSLC4. Demonstrate competency in the specialized role of nurse administrator and/or leader within the context of independent and collaborative nursing practice.

Core Requirements (15 credits)

NURS 605 Healthcare Quality and Safety (3)

NURS 606 Healthcare Delivery Systems, Policy, Financing, & Leadership (3)

NURS 706 Organizational and Systems Leadership (4)

NURS 644P NAOSL Practicum I (2) **OR** NURS 645P NAOSL Practicum II (2)

MHA 638 Health Information Systems (3)

Nurse Educator Graduate Certificate

College of Science, Health and the Environment

Contact Graduate Studies 218-477-2134

The Nurse Educator (NED) Certificate prepares BSN nurses at the post-graduate level in nursing education within the academic and clinical arenas. The Certificate is built upon the art and science of nursing education within the changing contexts of health care, nursing, higher education, and evidence-based practice. Within the broader Graduate Nursing program outcomes, the NED Certificate provides students with understanding and evidence-based application of the nurse educator role. This program dovetails into the Masters of Science with Major in Nursing, NED Emphasis for students wishing to continue their education and complete the full master's program.

Admission Requirements

- BS or BA in nursing from an NLN or CCNE accredited university
- Documentation of current unencumbered registered nurse (RN) license in the US
- Total cumulative local GPA (not including transfer credits) of at least 3.0 on a 4.0 scale in undergraduate courses at the last institution where nursing degree awarded
- Complete “Application for Admission to Graduate Study” form
 - International Students
 - You must complete the International Student Application packet where in you indicate if you are a US citizen
 - You must contact the International Student Office at 218-477-2956
 - You must hold a current Work Visa (not Student Visa) that will be valid throughout the course of study in the graduate program
- Completed “Nursing Application” form including:
 - 500 word essay describing professional experience and future professional goals
 - Three letters of recommendation (two from professional colleagues, 1 from personal; see provided nursing forms)
- Non-refundable \$20.00 fee for first-time applicants to Minnesota State University Moorhead
- Official transcripts from ALL colleges and universities attended
- Non-Minnesota applicants are not fully admitted until the Department of Higher Education in the applicant's state of residence has approved distance education/online programs from the state of Minnesota

Student Learning Outcomes

Upon completion of the Nurse Educator Certificate, graduates are expected to:

NEC1. Incorporate theoretical contributions and scientific knowledge of the discipline into nursing practice and education.

NEC2. Collaborate in scholarly activities of inquiry related to nursing practice and education.

NEC3. Develop, implement, and modify programs or plans of care for diverse client populations.

NEC4. Demonstrate competency in the specialized role of nurse educator within the context of independent and collaborative nursing practice.

Core Requirements (14 credits)

NURS 622 Teaching Technology & Information Management (3)

NURS 608 Transcultural and Social Perspectives (3)

NURS 623 Nurse as Educator (3)

NURS 627 Program Curriculum Design and Evaluation (Pre-req: NURS 623) (3)

NURS 642P Adv Nurse Educator Practicum I (2) **OR** NURS 643P Adv Nurse Educator Practicum II (2)

Accounting

ACCT 507 Commercial Transactions, Property and Special Topics

Detailed study of Uniform Commercial Code (sales contracts, commercial paper and secured transactions), creditors' remedies, bankruptcy, property (real, personal and intellectual), bailments, trusts

and estates, insurance law and professional responsibilities) Students will conduct research on various topics and write short case analyses. A term paper on a topic relevant to the course is required.

ACCT 532 Advanced Accounting II

This course presents various advanced topics in accounting. Topics may include: foreign currency transactions, translation of foreign currency financial statements, International Accounting standards, Accounting for liquidation, accounting for estates and trusts, and accounting for governmental and nonprofit entities. Course coverage may be modified to reflect current issues in the accounting area.

ACCT 541 Tax Accounting I

Outline of federal tax system. Introduction to concepts of gross income, exclusions, deductions, alternative minimum tax, tax credits, tax payment procedures, property transactions, accounting periods, accounting methods, deferred compensation, corporations and partnerships.

ACCT 543 Tax Accounting II

Advanced topics in taxation, including income tax planning and income tax return preparation for corporations, S corporations, partnerships, limited liability companies, exempt entities, estates and trusts.

ACCT 561 Audit II

Coverage includes the concepts of testing balances, auditing by cycles, audit sampling and applications, and compilation and review engagements. There will be additional coverage of generally accepted auditing standards, audit reports, quality control fraud detection audit objectives and procedures, management assertions, audit planning, analytical review, risk analysis, internal control evaluation, and tests of controls. The course will include an integrated audit case.

Anthropology

ANTH 545 Seminar in Anthropology

Selected topics in Anthropology. Students are expected to do research in subjects related to the topic of the course. May be repeated when topic varies.

ANTH 597 Research in Anthropology

Research in anthropology under the supervision of a member of the faculty.

Biochemistry and Biotechnology

BCBT 520 Intro to Working in a Regulated Biochemistry and Biotechnology Industry

This course will cover the basic structure of the regulated workplace; introduction to regulatory affairs, introduction to regulatory language; FDA and USDA; an overview of good practices: good laboratory practices (GLP), good manufacturing practices (GMP) and good clinical practices (GCP); introduction to quality systems: quality control, quality assurance, ISO9000 and six sigma; introduction to validation.

BCBT 525 Introduction to Validation in the Biochemistry and Biotechnology Industry

This course provides an overview of validation in the biochemistry and biotechnology industry including biopharma, biomanufacturing, and basic clinical research. Topics will include: 1) the science of validation; 2) qualification, calibration, and certification of equipment; 3) validation of biological assays; 4) creation and application of validation programs.

BCBT 530 Intro to Quality Assurance and Quality Control in Biochem Biotech Industry

This course covers the origins, history of quality and the major concepts, theories, principles and founders; quality planning, assurance and improvement; the roles and responsibilities of quality assurance and quality control.

BCBT 535 Ethics in the Biochemistry and Biotechnology Industry

This course will cover the ethical issues in the Biochemistry and Biotechnology Industry ranging from legal requirements for notebooks, issues with data falsification and misrepresentation, and issues of genetic manipulation and cloning among others.

BCBT 569 Internship

This course is the required capstone experience for the Biochemistry and Biotechnology Certificate Program. An internship or work experience is required to complete the Biochemistry and Biotechnology Certificate. The experience can be a paid or volunteer experience. The experience needs to be approved by a faculty advisor in the Biochemistry and Biotechnology Certificate Program. Following the internship or work experience the student will be required to write a paper pertaining to the experience.

Business

BUS 602 Quantitative Methods

This course is a study of quantitative methods as they apply to accounting and finance. Methods covered include: time value of money, probability, probability distributions, descriptive statistics, sampling, estimation, hypothesis testing, correlation, regression, simulation, time series analysis and technical analysis.

BUS 640 Financial Statement Analysis

This course is one of two courses to study financial statement analysis with the goal of using the analysis to make financial decisions. Topics covered include financial reporting systems, financial statement analysis and financial decision making.

BUS 642 Corporate Finance

This is an in-depth study of corporate financial analysis to maximize shareholder's wealth. Topics covered include governance, capital investments, short and long term financing, dividend policy, mergers and restructuring.

BUS 644 Advanced Financial Statement Analysis

This course is one of two courses to study financial statement analysis with the goal of using the analysis to make financial decisions. Topics covered include financial reporting systems, financial statement analysis and financial decision making.

BUS 648 Investments

This course is an advance study of portfolio theory, market equilibrium, and valuation of equity and fixed-income securities. The course also covers characteristics of alternative investments. Emphasis placed on analytical and quantitative skills as they relate to portfolio formation and valuation of financial securities.

BUS 696 Project/Action Research (Plan B)

Plan B: Portfolio. Students must complete 15 credits in the program.

Chemistry

CHEM 500 Biochemistry I

A survey of the chemistry and metabolism of living systems. Topics include structure, function and chemistry of biomolecules, and introduction to metabolism and metabolic pathways.

CHEM 505 Biochemistry Laboratory I

Representative experiments in the quantitation, isolation and metabolism of naturally occurring substances. Techniques include: assay development, column chromatography, protein and nucleic acid isolation and analysis, protein electrophoresis, and enzymology.

CHEM 510 Biochemistry II

A survey of the chemistry and metabolism of living systems and nucleic acids biochemistry. Topics include biosynthetic biochemical pathways and nucleic acids biochemistry, protein synthesis and recombinant DNA theory.

CHEM 515 Biochemistry Laboratory II

Course builds on acquired skills and presented techniques of Chem 405. New techniques include: use of radionuclides in biochemical research, affinity and high performance liquid chromatography, electrophoresis and an introduction to recombinant techniques.

CHEM 589 Continuing Studies: Topics

This is a Continuing Studies topics course and may be repeated when the topic varies.

CHEM 590 Topics in Chemistry

This is a topical course and may be repeated when the topic varies.

Communication

COMM 592 Journalism Workshop

A course designed for workshops in broadcast or print journalism.

COMM 510 Investigative Processes

Examination and evaluation of search strategies, including human sources and library research, and their applications to investigative and interpretive news reporting and writing.

COMM 562 Practicum in Publishing

This course is designed to familiarize students to the working functions of a small press literary publishing house through lectures, demonstrations, and supervised group activities such as participating on editorial book teams, writing teacher guides for the website for New Rivers Press books, developing marketing plans, reading tours, distributor marketing packets etc. All projects are presented in class to foster a broader class understanding of the overall activities of a small press.

COMM 516 Special Projects: Speech

Advanced individualized creative or investigative work in a particular phase of communication studies.

May be taken more than once if content is substantially different.

COMM 590 Topics in Communication

This is a graduate level topical course and may be repeated when the topic changes.

COMM 597 Problems in Mass Communications

Individual problems in areas of specific interest to the student.

Counseling and Student Affairs

CNSA 510 Introduction to Counseling

Basic concepts and principles of counseling.

CNSA 520 Basic Counseling Skills

Basic skills in the one-to-one counseling interview. Improve interpersonal communication skills in listening and responding.

CNSA 590 Topics in Counseling and Student Affairs

Topics in Counseling and Student Affairs, may be repeated when the topic changes.

CNSA 600 Introduction to Counseling Research

Illustrates the usefulness of counseling research for guiding practice. Students review and critique research articles, discuss major issues in the literature, and prepare written analysis of articles in their area.

CNSA 605 Counseling Research, Statistical Methods and Program Evaluation

This course is intended to provide students with an introduction to applied research methods. Students will be able to identify the strengths and limitations associated with different research approaches. This course is also designed to give students the necessary skills to conduct research in the student affairs and counseling field. Students will develop skills including: developing research topics and questions, creating program evaluations, using library resources, and using educational technology to search for relevant literature and propose research for counseling and related fields.

CNSA 610 Foundations of Counseling

Introduction to the profession of counseling. Emphasis is on introductory concepts in the profession including aspects of the counseling role and identity, counseling relationship and theories; professional organizations; codes of ethics; and the importance of research in advancing the counseling profession.

CNSA 611 Theories of Individual and Family Counseling

Study and examination of individual and family theories of counseling. Key concepts, goals, therapeutic process, techniques, applications, contributions, and limitations of both individual counseling theories and family counseling theories are examined.

CNSA 612 Counseling Assessment and Appraisal

Study of various types of assessments, testing programs, and appraisal techniques and tools for individuals and groups.

CNSA 613 Career Development

Theories of career development and vocational guidance programs. Guidance strategies to promote career and development sources of occupational/educational information.

CNSA 614 Human Growth and Development for Counselors

Introduces students to the ways the basic principles of human development affect the counseling process.

CNSA 615 Social and Cultural Foundations of Counseling

Examination of the basic concepts of the social/cultural foundations of counseling as they are related to counseling effectiveness.

CNSA 620 Counseling Skills I

Study and development of basic counseling skills in the one-to-one counseling interview. Practical application occurs through tapes and transcripts of actual counseling situations. Improves interpersonal communication skills in listening and responding. (Majors only)

CNSA 630 Group Counseling

Group dynamics in theory and practice.

CNSA 631 Advanced Group Counseling

Practice of group skills and group leadership skills. Graduate counseling majors only.

CNSA 640 Ethical and Legal Issues in Counseling

Ethical and legal issues related to counseling. Ethical codes, ethical decision making, and ethical and legal issues and cases in counseling and student affairs practice are considered and examined.

CNSA 650 Organization and Administration of School Counseling Programs

Organization and administration of comprehensive school counseling programs. Development of various skills to administer the programs.

CNSA 652 Classroom Management for School Counselors

This course will offer current teaching practices and classroom management techniques to aid in working with students in a variety of settings. The course will cover the topics of: Teaching with Love and Logic principles, ENVoY, CPS Collaborative Problem Solving, Positive Behavior Supports/ RTI-B, the Nurtured Heart Approach, and how to use a variety of techniques in small groups and classroom guidance lessons to make your lessons memorable and students engaged. To be included, but not limited to: video clips, music, props, puppets, attention getters, tone of voice, movement, mindfulness, non-verbal signals, behavior correction, activities, games, etc.

CNSA 655 Counseling Children, Adolescents, and Their Families

Knowledge, theory, and skills regarding counseling children, adolescents, and their families are studied.

Counseling skills, consultation, collaboration, and crisis prevention and intervention strategies are presented. The application of counseling skills with children, adolescents, and families is emphasized.

CNSA 660 Introduction to Student Affairs & College Counseling in Higher Education

Introduction to Student affairs and College Counseling professional services, developmental theories and professional issues in Higher Education settings.

CNSA 661 Higher Education in the U.S.

Introduction to the history and system of higher education in the U.S.

CNSA 662 Administration of Student Affairs & College Counseling in Higher Education

This course is an advanced and in-depth study of Student Affairs and College Counseling professional services offered in contemporary Higher Education settings. The course includes examination of the characteristics of American college students and their post-secondary development. This course includes an analysis of the different student populations and the specific needs and services required for their success. Professional Knowledge, skills and best practices necessary to promote the development of college students is examined and considered.

CNSA 663 The College Student

Discussion of the characteristics of college students and the ways they change while in college.

CNSA 670 Admin. of Clinical Mental Health Services & Counseling Skills

This course is intended to introduce Clinical Mental Health Counseling, provide an overview of the history of community based counseling services, examine the practices of clinical counseling and the roles and task of clinical mental health professional professionals, and the characteristics of clients are considered. The topics of policy and advocacy in counselors. Clinical mental health counseling and mental health settings, relationships with other community based agency counseling settings as well as the identity of clinical mental health counselors are covered.

CNSA 672 Clinical Appraisal & Diagnosis, Intervention & Treatment Planning

This course addresses clinical diagnosis, counseling interventions and treatment planning from a variety of perspectives. It will provide students with a broad theoretical base for understanding psychopathology, from both an individual, descriptive, symptoms perspective as presented in the DSM-5, and also from a contextual systemic perspective including developmental, familial patterns and sociocultural contributors. This course will introduce students to competencies in assessment/appraisal, in selecting effective treatment strategies, and in case presentation. This ability to conceptualize material will also provide students with a beginning ability to formulate treatment recommendations associated with the various diagnostic categories.

CNSA 674 Childhood to Adulthood Psychopathology for Mental Health Professionals

This course assists students in understanding both adaptive and maladaptive behavior across the life span, with particular attention given to child, adolescent and adult behavior. It provides students with foundations to assess, differentiate and diagnose various mental disorders based on the current Diagnostic and Statistical Manual of Mental Disorders (DSM-5). It will also focus on etiology, symptomatology,

treatment, and prognosis of various disorders, as well as the associated biological, personal, and social characteristics. It also examines aspects of resiliency, stress and mental illness, and functioning based on race, culture, family of origin and gender difference.

CNSA 676 Clinical Supervision and Ethics

This course examines the theories, models, and processes that influence clinical mental health practice through the consultation and leadership roles of counseling personnel. The course fosters the development of specific skills and intervention strategies required to perform effective consultation and supervision in counseling. Examines legal, ethical, and professional standards of practice of mental health counseling & therapy, which includes goals and objectives of related professional codes of ethics and legal considerations. Examines the orientation and role identity of counselors and overviews the rights of consumers.

CNSA 682 Trauma Informed & Crisis Management

This course is designed to increase understanding, awareness, and knowledge in trauma and how trauma impacts individuals and groups as well as to teach the theoretical and practical background skills in crisis intervention in various settings. Students will: Develop trauma informed understanding of fundamental concepts, theories, strategies, and counseling skills needed to conduct effective crisis intervention. Develop an understanding of the background, dynamics, and counseling intervention methodologies needed to effectively help individuals or groups in crisis. Develop an understanding of the process of prevention, intervention, and post evaluation in crisis counseling. Students will learn proactive, preventive and creative initiatives in crisis intervention.

CNSA 683 Independent Study in Counseling and Student Affairs

Independent research for advanced graduate students. May be repeated to a maximum of 3 credits.

CNSA 690 Topics

Topical seminar in Counseling and Student Affairs, may be repeated when the topic changes.

CNSA 691A Practicum in School Counseling

Practicum is designed to meet the CACREP accreditation standards and requires 150 hours of documented demonstration of professional practice and documented hours of supervised field experience in a setting consistent with a student's area of specialization. Students are expected to demonstrate the application of theory, knowledge and counseling skills learned throughout the counselor education program. Individual and group supervisory meetings are required weekly. Enrollment requires faculty advisor or program coordinator approval. May be repeated.

CNSA 691C Practicum in Student Affairs and College Counseling

Practicum is designed to meet the CACREP accreditation standards and requires 150 hours of documented demonstration of professional practice and documented hours of supervised field experience in a setting consistent with a student's area of specialization. Students are expected to demonstrate the application of theory, knowledge and counseling skills learned throughout the counselor education program. Individual and group supervisory meetings are required weekly. Enrollment requires faculty advisor or program coordinator approval. May be repeated.

CNSA 691D Practicum in Clinical Mental Health Counseling

Practicum is designed to meet the CACREP accreditation standards and requires 150 hours of documented demonstration of professional practice and documented hours of supervised field experience in a setting consistent with a student's area of specialization. Students are expected to demonstrate the application of theory, knowledge and counseling skills learned throughout the counselor education program. Individual and group supervisory meetings are required weekly. Enrollment requires faculty advisor or program coordinator approval. May be repeated.

CNSA 692A Internship in School Counseling

Internship is designed to meet the CACREP accreditation standards and requires completion of all documented 750 clock hours of field experience in an approved setting consistent with a student's area of specialization. Specific emphasis is placed on direct contact with consumers of counseling services. Documentation of weekly meetings with faculty and field supervisors is required. Case conceptualization, counseling skills and techniques, and service delivery systems are discussed in weekly group sessions. Prerequisites: CNSA 691. Exceptions require faculty advisor or program coordinator approval. May be repeated.

CNSA 692C Internship in Student Affairs & College Counseling

Internship is designed to meet the CACREP accreditation standards and requires completion of all documented 750 clock hours of field experience in an approved setting consistent with a student's area of specialization. Specific emphasis is placed on direct contact with consumers of counseling services. Documentation of weekly meetings with faculty and field supervisors is required. Case conceptualization, counseling skills and techniques, and service delivery systems are discussed in weekly group sessions. Prerequisites: CNSA 691. Exceptions require faculty advisor or program coordinator approval. May be repeated.

CNSA 692D Internship in Clinical Mental Health Counseling

Internship is designed to meet the CACREP accreditation standards and requires completion of all documented 750 clock hours of field experience in an approved setting consistent with a student's area of specialization. Specific emphasis is placed on direct contact with consumers of counseling services. Documentation of weekly meetings with faculty and field supervisors is required. Case conceptualization, counseling skills and techniques, and service delivery systems are discussed in weekly group sessions. Prerequisites: CNSA 691. Exceptions require faculty advisor or program coordinator approval. May be repeated.

CNSA 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

CNSA 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

CNSA 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

CNSA 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all

course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

CNSA 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

Economics

ECON 610 Healthcare Economics

The healthcare sector of the U.S. economy offers a unique setting for considering the interactions of healthcare consumers, healthcare producers, insurers, and government in markets. The frequent and ongoing overlap between public and private sectors within healthcare markets highlights tradeoffs which exist in the presence of scarce resources. This course prompts students to recognize these tradeoffs and their associated impacts on efficiency and equity in the U.S. or in comparison to other global healthcare systems.

Education

ED 519 Creating Web-Based Curriculum Materials

This course will assist educators in the design and implementation of a classroom web site containing web-based lesson plans. It will also assist educators with web-based delivery methods and collaborative projects. Participants will create web-based classroom materials and collaborate with others via the Internet to extend the boundaries of the classroom.

ED 522 Electronic Resources: Issues and Practice

This course covers many areas of the electronic research process, enhanced by the use and implications of emerging technology. There will be four main modules/sections: Internet Search Techniques, Evaluation and Selection of Internet Resources, Copyright Issues in Cyberspace, and Internet Privacy Issues.

ED 523 Design of Online Instruction

Participants in this course will create components of an online course. Educators will learn how to design the course from the ground up including identifying program outcomes and course competencies, designing learning activities, and creating and evaluating assessment tasks. The course design process will be focused on designing for the unique requirements of the online environment.

ED 525 Methods of Computer-mediated Communication in Education

This course provides an introduction to modern electronic communication tools, considers strategies and issues involved in incorporating them into education, and offers experience in using them.

ED 527 Emerging Technologies

Participants in this course will explore emerging technologies and ways to effectively integrate them into the teaching and learning environment. As technologies continue to evolve, it is important for educators to stay abreast of the new developments. For instance, the web has rapidly transformed from the first generation (mostly read only) to the second generation (often called the Web 2.0 or the Read/Write web)

to the current generation (the Web 3.0). As the web has undergone these transformations, the corresponding innovations in technologies have had a significant impact on the teaching and learning environment. Participants will develop skills that support digital age learners. Participants will develop activities and lessons for classes they teach and learn to use these applications effectively for instruction.

ED 534 Assessment Strategies for Technology-Enhanced Curricula

This course explores issues, strategies, methods, and techniques of assessment in technology-based curricula.

ED 535 Infusing Technology into Mathematics

This course will examine and evaluate both commercial and free software available for mathematics instruction. Students will design learning activities that foster equitable, ethical, and legal use of technology.

ED 551 Middle School Philosophy

This course is intended for those individuals preparing to become middle level school leaders and educators. It investigates the philosophical basis for middle level education and all phases of duties and responsibilities for educational leadership as they interact with the components of appropriate middle level education.

ED 552 Adolescent Development and Advisor/Advisee Programs

The purpose of the course is to explore pre-adolescent development and the role adults play in the unique development of middle school students to build positive relationships through a team using planned advisory programs.

ED 553 Interdisciplinary Instructional Strategies

The purpose of the course is to provide instruction in the design and preparation of interdisciplinary instructional units with appropriate instructional strategies for classroom use. The instructional units and strategies will be designed for use in grades 5-8 middle school classrooms using an interdisciplinary team approach to instruction.

ED 570 Educational Alternatives for Learning

Construction of both established and innovative educational programs.

ED 582 Information Technology and Teachers

An introduction to information technology in education including the use of technology, computers, and multimedia in education with attention to traditional curriculum, pupil characteristics, and the use of technology in lesson development.

ED 590 Topics in Education

Topics in educational theory and practice. Since the course is topical in nature, it may be repeated when topics vary.

ED 594 Study Tour in Comparative and International Education

Field study in selected countries through conferences with educators, schools, universities, ministry visitation and conferences. Open to non-majors.

ED 597 Readings in Education

Readings and supervised study of topics in depth. On demand only. May be repeated up to six credits.

ED 601 Psychological Foundations of Education

A systems approach to schools and systems of psychology. Principles affecting learning and instruction.

ED 602 Statistics in Educational Research

Basic theory, techniques for using descriptive and inferential statistics, and application in educational research designs.

ED 603 Methods of Research

Methodology of design of research studies; preparation of effective technical reports.

ED 605 Single Subject and Small Group Research Designs

Introduction to research on single subjects and small groups, with application to problems in education and related areas.

ED 609 Action Research

Action research is the second and final research course in the C & I program. The primary focus of the course is to provide students the skills to use action research methods to improve education through data driven decision making. In this course, students carry out action research (which has been designed in ED 603) by collecting and analyzing data, and developing a plan of action and a plan for sharing results. The major requirement for this course is the submission of a paper in a manuscript format that integrates the research questions, methodologies and literature review developed in ED 603 with the findings and action plan developed in ED 609.

ED 610 Philosophy of Education

Major philosophical concepts and principles as they apply to education from Plato to the present.

ED 612 Study of the Individual

Case study methods, laboratory experience and practicum where applicable.

ED 613 Social, Cultural, Political and Community Dimensions of Education

This course provides school leaders with an understanding of the historical, philosophical, ethical, social, and economic influences affecting education to the degree that they can apply their understandings to professional decisions. Students are expected to apply political concepts and strategies and approaches to collaboration in involving the community in decision making, building community support for school priorities. Throughout the course, students' work will be expected to manifest a sensitivity to issues of diversity in a pluralistic society.

ED 630 Leadership, Planning, and Organizational Behavior in Education

This course provides school leaders with preparation in skills for providing purpose and direction for individuals and groups, shaping school culture and values, facilitating the development of shared strategic vision for the school, formulating goals and planning change efforts with staff, and setting priorities for one's school in the context of community and district priorities for student and staff needs.

ED 631 Educational Law and Organizational Structure of Education

An examination of the legislative and judicial actions affecting the public schools. Consideration is given to contemporary legal issues for teachers, administrators, and boards.

ED 632 Curriculum, Instruction, and Learning Theory

This course investigates curricular decision-making and program evaluation strategies as they affect the educational program. Problem solving skills are presented through theory and simulation.

ED 633 Technology and Information Systems

Exploration of computer equipment, operation, means of communication with computers, instructional use and impact of computers in society.

ED 634 Personal Communications and Ethics

This course prepares aspiring school leaders to plan for their personal and professional development; understand and use the principles of interpersonal, oral, and written communication; and follow a professional code of ethics and values.

ED 635 Personnel, Supervision, and Staff Development

Specific techniques and systems to supervise instruction. Interpersonal communication and group process skills are applied to administrative supervision.

ED 636 Policy and Educational Finance

This course provides school leaders with an understanding about managing and allocating resources in a political climate in which policy decisions are based upon historical resource allocations.

ED 638 Administration of the Elementary School

The common elements of leadership and management as they apply to elementary principalship. Practical applications in an elementary setting will be addressed.

ED 639 Administration of the Secondary School

The common elements of leadership and management as they apply to the secondary principalship. Practical applications in a secondary setting will be addressed.

ED 643 Secondary School Curriculum

History, development, and evaluation of curricular patterns in the secondary schools. Analysis of current curricular practice and trends.

ED 645 Portfolio Option Pre-Assessment

This course fulfills the pre-assessment portion of portfolio development for advanced graduate students completing a portfolio for a Master's degree or licensure in Minnesota. The course provides school leaders with preparation in knowledge, skills, and dispositions needed to identify professional needs and developmental plans for a professional portfolio.

ED 646 Portfolio Option Post-Assessment

This course fulfills the final phase of portfolio development for advanced graduate students completing the portfolio component of a Master's degree or licensure in Minnesota. The course provides school

leaders with preparation in skills to complete a professional portfolio and self-study autobiographical paper that demonstrates knowledge, skill and dispositions in all program guidelines and indicators.

ED 670 Educational Alternatives for Learning

In-depth examination of established and innovative approaches to instruction across the Pre-K-12 curriculum.

ED 671 Issues in Education

Seminar to examine current issues and trends in education.

ED 690 Topics

Topical seminar in Education; may be repeated when the topic changes.

ED 694V Internship

A supervised field experience or internship in education related to the graduate major subject. Variable credit from 1-10. May be repeated if setting varies. Possible settings include elementary, secondary, post-secondary, adult.

ED 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

ED 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

ED 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

ED 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

ED 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

ED 717 Adult Learning

This course deals with recent research concerning adult learning within the context of planning and operating effective adult education programs. The goal of this course is to provide an overview of concepts, practices, and opportunities related to adult learning.

ED 727 Higher Education Law

This course will develop knowledge in higher education legal issues for students whose current positions or future career goals include administrative and management positions in higher education where they will work on legal issues with attorneys. To have sufficient understanding of current legal issues to be able to identify problems that need legal advice and/or intervention. To develop logical opinions on

current practical issues facing higher education in the legal area. To develop problem solving skills on problems with legal implications.

ED 740 Financing Higher Education

This course provides funding theories and procedures necessary to develop and maintain the finance of higher education institutions. Topics will include environmental issues impacting the finance of higher education, appropriations, financial aid, bonding, tuition, grants, budgeting and controls, and trends in the financing of higher education.

ED 767 Organization and Administration of Higher Education

This course deals with the organization and administration of higher education and the current and evolving problems and possibilities for higher education.

ED 780 Instructional Models

This course deals with the investigation of current practices and trends in instructional models. Emphasis is on the relationship of current research to contemporary practice.

ED 788 School Finance and Business Management

School business administration of insurance, transportation, food services, purchasing, inventory control, budgeting procedures, state and federal accounting, and personnel.

ED 789 School Community Relations

Purposes, organization, agencies and criteria of good school-community relationships; knowledge and techniques of public relations.

ED 790 Topics in Education

Special topics in graduate education.

ED 794 Practicum in Administration

Supervised field experiences in various areas of education administration. Seminar and projects required; Master's degree and courses in related areas required.

ED 796 Seminar in School Administration and Supervision

Special topics seminars for practicing or potential administrators and supervisors. May be repeated.

ED 797 Individual Study in Education

Independent research for advanced graduate students. Repeated to a maximum of 6 credits.

ED 799 Thesis or Field Research

Major study in chosen area. Available for candidates for the specialist's degree. Project approval required from advisor committee.

Elementary and Early Childhood Education

EECE 522 Curriculum and Methods for the Gifted

Exploration of ways to construct a curriculum suitable for the education of gifted students at elementary and secondary levels. (Same as SPED 522)

EECE 539 Infusing Technology into Literacy Instruction

This course is designed to help K-12 teachers thoughtfully integrate technology into their literacy instruction.

EECE 545 Remedial and Corrective Reading

Presentation of special methods and materials in teaching reading to disabled readers at the primary, intermediate and secondary level.

EECE 548 Reading Study Skills in the Content Areas

Teaching techniques to improve reading ability in content materials; vocabulary, comprehension, study skills and providing for individual learning differences.

EECE 573 Practicum in Early Childhood Education

Supervised practicum experience with prekindergarten children. Analysis and evaluation of classroom procedures and development of young children.

EECE 590 Topics in Elementary and Early Childhood Education

This is a topics course and may be repeated as topics vary.

EECE 597 Readings in Education

Readings and supervised study of topics in depth.

EECE 599 Topical Workshop

This topical course is taught in workshop format and may be repeated when the topic varies.

EECE 604 Education and Society

History and development of social structures in America: the relationship between social structures and formal education. (Same as ED 604)

EECE 613 Literacy Instruction and Assessment: A Historical Perspective

The study and analysis of literacy learning theories as the basis for examining current instructional programs and practices. Prerequisites: Licensed teaching experience and EECE 525 (or evidence of reading foundations coursework), or consent of instructor.

EECE 614 Literacy in the Content Areas

Development of content-area literacy competencies, K-12. Emphasizes strategies for word identification, comprehension, and metacomprehension, in a variety of subject areas. Prerequisite: Teaching experience, EECE 613 and EECE 525 (or evidence of reading foundations coursework), or consent of instructor.

EECE 615 Literature for Young and Adolescent Readers: Content and Methods

Candidates will engage in close reading, discussion of and writing about selected literature from a wide variety of genres for students from the early years through adolescence, thereby becoming better readers, critics, and teachers of literature. Candidates will use this knowledge to create a comprehensive K-12 literature curriculum that incorporates local and state curriculum standards. Prerequisites: Licensed teaching experience and EECE 525 (or evidence of reading foundations coursework) or consent of instructor.

EECE 620 Children's Play, Creativity and Learning

An advanced course in the study of children's play, focusing on children's play from infancy to age 12. Emphasis on major theoretical and research findings in the study of children's play among psychologists, anthropologists, and educators. Individual play styles, the play of children with disabilities, cultural difference in play, the relation of play to creativity, imagination and learning, and the importance of play in terms of the larger culture as well as within children's culture will be examined.

EECE 630 Leadership, Planning, and Organizational Behavior in Education

This course provides school leaders with preparation in skills for providing purpose and direction for individuals and groups, shaping school culture and values, facilitating the development of shared strategic vision for the school, formulating goals and planning change efforts with staff, and setting priorities for one's school in the context of community and district priorities for student and staff needs.

EECE 631 Educational Law and Organizational Structure of Education

An examination of the legislative and judicial actions affecting the public schools. Consideration is given to contemporary legal issues for teachers, administrators, and boards. (Same as ED 631 and NDSU 631)

EECE 632 Curriculum, Instruction, and Learning Theory

This course investigates curricular decision-making and program evaluation strategies as they affect the educational program. Problem solving skills are presented through theory and simulation. (Same as ED 632 and NDSU 632)

EECE 633 Technology and Information Systems

Exploration of computer equipment, operation, means of communication with computers, instructional use and impact of computers in society. Same as ED 633)

EECE 635 Personnel, Supervision, and Staff Development

Specific techniques and systems to supervise instruction. Interpersonal communication and group process skills are applied to administrative supervision. (Same as ED 635 and NDSU 635)

EECE 639 Administration of the Elementary and Secondary Schools

The common elements of leadership as they apply to the principalship. Practical applications in an elementary or secondary school setting will be considered. (Same as NDSU 739)

EECE 640 Elementary Children and Learning

Recent trends and research in educational foundations and effect upon elementary curriculum and/or practice. Topics vary each semester.

EECE 642 Elementary School Curriculum

History, development and evaluation of curriculum. Analysis of recent trends and development of curriculum sequence at elementary level.

EECE 644 Middle School/Junior High School Administration

Organization and administration of educational programs for young adolescents. Same as ED 644 and NDSU 644)

EECE 645 Developmental Diagnosis of and Instruction in Literacy

The study of informal and formal individual and group reading assessments, and the analysis and use of data from those assessments to make reading curricular and instructional decisions. Practical application through the tutoring of a K-12 student. Prerequisite: Licensed teaching experience and EECE 525 (or evidence of reading foundations coursework) or consent of instructor.

EECE 646 Reading Clinic: Diagnosis

Knowledge and application of methods of individual and group assessment, analysis of assessment data, and development of instruction for students with a wide range of reading backgrounds and skills. Practicum experience with individual students and groups of students required. Prerequisite: EECE/SPED 645 and licensed teaching experience or consent of instructor.

EECE 690 Topics

Topical seminar in Elementary and Early Childhood Education; may be repeated when the topic changes.

EECE 691 Administration and Supervision of Reading Programs

This course provides instruction, resources, and practical applications in the areas of leadership, supervision, and management of school, school district, state, and federal reading programs for K-12 students. Course content develops knowledge in the areas of fiscal, budgetary, and purchasing practices, as well as research-based best practices of reading pedagogy, student learning, classroom management, and the professional development of K-12 educators. Prerequisite: Licensed teaching experience and EECE 525 (or evidence of reading foundations coursework) or consent of instructor.

EECE 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

EECE 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

EECE 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

EECE 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

EECE 782 Supervisory and Administrative Theories

A study of management models and techniques, needs assessment, goal setting, planning and evaluation systems, and decision-making problems as they relate to the school improvement process. (Same as ED 782 and NDSU 782)

EECE 783 Computer Data Management and Decision Making

An understanding of effective computer applications in order to use the computer as a decision-making and planning tool for school financial and managerial functions relating to the field of school business and administration and school district superintendency. (Same as ED 783 and NDSU 783)

EECE 784 School Personnel Administration

Study of personnel administration. Examination of the purposes, policies, plans, procedures and processes of personnel administration. (Same as ED 784 and NDSU 784)

EECE 786 School Facility Planning

Principles in planning, construction and maintenance of school building, visitation and appraisal of buildings. (Same as ED 786 and NDSU 786)

EECE 788 School Finance and Business Management

School business administration of insurance, transportation, food services, purchasing, inventory control, budgeting procedures, state and federal accounting and personnel. (Same as ED 788 and NDSU 788)

EECE 789 School Community Relations

Purposes, organization, agencies and criteria of good school-community relationships; knowledge and techniques of public relations. (Same as ED 789 and NDSU 789)

EECE 796 Seminar in School Administration and Supervision

Special topics seminars for practicing or potential administrators and supervisors. May be repeated.

EECE 799 Thesis or Field Research

Major study in chosen area. Available for candidates for the specialist's degree.

English

ENGL 502 Introduction to Publishing

This course familiarizes students with small press publishing and with the various facets of the writing, publication and marketing processes. It also includes an orientation to New Rivers Press, a working non-profit press located at MSUM, and a daylong field trip to various publishing facilities in the Minneapolis-St. Paul area.

ENGL 517 Issues of Death & Grief: Creative Non-Fiction of Life & Loss

Within the gravities of life and death, love and grief, there is a search for understanding and healing. This course is designed to help students understand that death and grief present choices and changes that face us as citizens within a community of loved ones. During this course, students will consider the importance of care and customs surrounding death and dying and the value of honest dialogue when grief is set upon individuals struggling with loss. This course will develop students' awareness of the ethical dimensions of personal decisions (for self and others in the realm of loss, the business of mourning and the pain of grief) and to cultivate their deliberative skills through respectful engagement with others whose views differ.

ENGL 523 Writing for Children

This course is a writing intensive course that focuses on writing for children and adolescents. Students will read several texts written for young readers and analyze the craft of writing in each. Students will also complete practice writing exercises that are specific to the conventions of genres in children's literature, workshop and revise major writing assignments, and produce a final polished project of a collection of poetry, a first chapter in fiction, or a short story.

ENGL 525 Grant Proposal Writing

Students research significant problems or opportunities in their major fields and research applicable sources of private and/or public funding. In response to the problems or opportunities they select, students will research, design, and write grant proposals for cost-effective programs, including program-evaluation plans.

ENGL 535 Ecocriticism

Ecocriticism is a fairly recent cultural and literary development, the term coined in the late 1970s. This course introduces students to representative ecocritical texts that study the relationship between humans and the environment. Significant attention will be devoted to issues of sustainability, eco-literacy, and the efficacy of literary expressions of environmental value.

ENGL 545 Holocaust Literature

In this course, students examine a variety of literary works, including novels, diaries, memoirs, articles, essays, poems, short stories, historical documents, and/or films that illustrate prominent attitudes, historic events, and lived experience associated with the planned extermination of millions of people (including but not limited to Jews, Gypsies, Homosexuals, and Christians) during Hitler's reign. Through the study of these literary works, students come to recognize the consequences of stereotypes, prejudice, hate, and discrimination. As the class evaluates historic and current attitudes regarding the "other," students reflect upon their own ethical and moral views, identify personal responsibilities of citizenship, understand human rights as well as personal and societal obligations, examine the role of justice, and analyze the ethical dimensions of political, social, and scientific issues.

ENGL 552 Craft Seminar

A class based primarily on discussion of how authors use various strategies to achieve narrative, poetic, or dramatic success. An intensive examination of the craft of fiction, nonfiction, poetry, or script writing. Conducted as a reading seminar, not as a writing course. Students will make an oral presentation on some element of craft exhibited by a chosen work. This course is also offered at the undergraduate level. Those taking the class for graduate credit should plan to lead several discussions. Course may be repeated as genres change.

ENGL 557 Literary Editing: Red Weather

This is a production-centered, hands-on class. Students will be responsible for producing a complete issue of Red Weather, MSUM's literary magazine, from screening and selecting manuscripts, interacting with the author's whose work is chosen, to designing and promoting the finished magazine.

ENGL 562 Practicum in Publishing

This course is designed to familiarize students to the working functions of a small press literary publishing house through lectures, demonstrations, and supervised group activities such as participating on editorial book teams, writing teacher guides for the website for New Rivers Press books, developing marketing plans, reading tours, distributor marketing packets etc. All projects are presented in class to foster a broader class understanding of the overall activities of a small press.

ENGL 590 Special Topics

This is a graduate level topical course and may be repeated when the topic changes.

ENGL 591 Theory & Methods: CA/L Grades 9-12

Current practices in teaching secondary English; possible observation of secondary classes; discussion of curriculum, approaches, and techniques.

ENGL 593 Grammars of English

A survey of the history of language study, of the history of the English language, and of the various kinds of grammars: traditional, structural, and transformational.

ENGL 594 Theory & Methods: CA/L Grades 5-8

Review of current trends in adolescent and young adult literature. Approaches and techniques for teaching reading and for studying literature in junior and senior high school. May be repeated after five years with consent of instructor.

ENGL 595 Advanced Studies in Language or Literature

Study of selected topics, individual authors, genres or movements in linguistics or in American, British or world literature. The course may be offered as a seminar, as an independent study, or as an adjunct to another class taught by the same instructor. Repeatable when subject matter varies.

ENGL 596 Capstone Seminar

Study of selected topics, individual authors, genres or movements in linguistics or in American, British or world literature. Is offered once per semester. It includes multiple approaches to analyzing literature and a documented research paper of substantial length with an extensive annotated bibliography.

ENGL 597 Independent Study

Independent reading or research allowing an individual student to explore a specific topic under faculty supervision.

ENGL 674 Teaching Composition and Literature

Students will study varied approaches to teaching composition, including composition history, course design, assignment planning, assignment sequencing, response to and evaluation of student writing.

Exchange

EXCH 510 Graduate Exchange

Graduate level exchange course to be used when students attend graduate level programs at other approved colleges and universities.

Finance

FINC 545 International Financial Management

International Financial Management is the sub-area of finance that studies the international investment decisions concerning real and financial assets. This course is intended for students who wish to learn the concepts and theories of modern multinational financial management. International Financial Management gives participants a solid theoretical and practical background that serves to better understand (1) the determinants of currency exchange rates, (2) the importance of risk management in a

Multinational Corporation (MNC); (2) the particularities of corporate finance, and corporate governance in a global context.

FINC 546 Financial Decision Making

This course moves away from textbooks to learning the skills and issues involved in the financial management of a corporation through academic and professional articles. Several important concepts of financial management are applied to real-life situations through the use of case problems. These cases provide insights into some of the problems a firm faces and how they can be addressed.

FINC 560 Portfolio Analysis and Management

This course involves analysis of techniques used in combining securities into portfolios. Students will examine various classes of securities and investments meeting a proper balance for investor needs.

FINC 563 Futures and Options

Advanced study of the pricing and use of derivative market instruments, current topics and issues.

Health

HLTH 589 Continuing Studies Topics

This is a continuing studies topics class and may be repeated as the topic varies.

HLTH 590 Topics in Health

This is a health topics graduate level course which may be repeated as course content changes.

Health Services Administration

HSAD 516 Health Services Management

Involves the management theories and practices within healthcare settings, organizational behavior theories, information and materials management systems, including risk management and utilization review.

Languages

LANG 557 Second Language Acquisition & Language Teaching

This course covers theories of language acquisition and their application to language teaching. Includes a historical overview of the field of language teaching, an examination of factors that affect language learning, and how these factors are addressed in a classroom setting. Students will be asked to articulate the philosophical basis of their own approach to language teaching.

LANG 571 Methods and Materials in Teaching Languages I

Theory and practice of teaching languages (K-12). The course examines current and historical trends, methods, techniques, and technology. Microteaching and assessment are part of the structure of the course. Those who are seeking a MN teaching license must complete the SARTE form before taking this course. This course is required of those who seek licensure (K-12) to teach languages in the state of MN. SPAN 301 and SPAN 302 or equivalent proficiency level in the language to be taught.

LANG 572 Methods and Materials in Teaching Languages II

Theory and practice of teaching languages (K-12). The course examines current and historical trends, methods, techniques, and technology, with an emphasis on microteaching, assessment, and materials preparation. This course is required of those who seek licensure (K-12) to teach languages in the state of MN.

LANG 575 Second Language Assessment

Theories and strategies for the assessment of second language competence, including mapping assessment to state and national proficiency guidelines and standards, conducting formal and informal classroom assessment, and becoming familiar with standardized assessments.

LANG 693 Qualitative Research Methods

This course trains students in methods and techniques for conducting research in the qualitative tradition. It covers issues of choosing a research method, following ethical guidelines in conducting studies, gaining entry into sites, collecting data, analyzing data, interpreting data, triangulating data, and writing the research report.

Masters Business Administration**MBA 611** Marketing Management

This course is designed to provide students with an understanding of marketing and its relationship to the successful management of organization(s). Marketing theory and methods are presented to demonstrate the impact that marketing has on the strategic direction of an organization. Analysis of the strategic marketing problems confronting managers in the evaluation of marketing opportunities and implementation and control of the marketing effort are examined.

MBA 615 International Marketing

This course provides students with theories and application(s) of marketing within a global context. Issues involved in international markets and in conducting marketing operations on an international scale in today's highly competitive and dynamic global marketing environment are examined.

MBA 621 Managerial Accounting

Emphasis is placed on using accounting information to make management decisions. Financial ratio, vertical, and horizontal analysis are studied as a means of understanding how the financial statements are used to make business decisions. In addition, cost behavior is analyzed as a means of understanding how to prepare budgets and allocate overhead, joint, and service department costs. Cost analysis for make or buy decisions and special order situations is also covered.

MBA 631 Financial Management

This course will enhance students' understanding of basic financial theory and practices. The course addresses current financial management issues faced by business decision makers and builds the essential analytical skills necessary for dealing with various financial issues. Topical coverage will include: fundamental concepts of corporate finance, stock and bond valuation, cost of capital, capital project evaluation methodologies, risk and return, dividend policy and the application of capital structure theory.

MBA 641 Human Resource Management

This course covers the environment and process of managing the human resource to achieve organizational goals. Topics include recruitment and selection, training and evaluation, compensation and separation from the organization.

MBA 651 Organizational Behavior

Studies the interaction of individuals and groups in business organizations. The course focuses on providing insights into individual, group and organizational processes.

MBA 661 Entrepreneurship

Students will learn the typical process of starting a new venture. The course will focus on how to turn an idea to an opportunity, and eventually to a business. Major points will include how to create, shape, recognize and seize a business opportunity, as well as the specifics of writing a business plan.

MBA 671 Healthcare Delivery Science

This course will provide a comprehensive understanding of health care ecosystem, focusing on developing a broader and deeper knowledge about clinical practices, delivery options and the engineering of health care system structure. Various topics covered will include understanding of health care processes, evidence based practice, macro and micro systems approaches, health care incentive systems, value in health care, etc.

MBA 682 Operations Management

The graduate level course on operations management will introduce students to concepts, tools and techniques used for managing manufacturing and service operations. Topics include productivity measures and improvement techniques, capacity planning, quality management and control, inventory planning and decisions, project management tools and analysis of waiting lines.

MBA 685 Project Management

This course will introduce students to the concepts, issues and techniques for effectively managing projects. Topics include project selection, planning, budgeting, scheduling, resource allocation, control, risk management and other issues faced by project managers. Topics will be covered from both managerial and technical perspectives.

MBA 696 Portfolio/Plan B

Plan B: Portfolio

MBA 697 Strategic Management

Students take a top management perspective in studying strategic management principles, concepts and analytical techniques. Strategic management entails the analysis of internal and external environments of a firm to maximize the utilization of resources in relation to objectives.

Masters Healthcare Administration**MHA 614 Strategic Management of Health Care Organizations**

This health care administration course focuses on identification of resources, structuring timelines, and

project mapping. Also the integration of principles, theories and methods to effectively analyze, synthesize and evaluate health services projects.

MHA 618 Health Care Law and Ethical Decision Making

This health care administration course focuses on the complex and ever-changing legal principles and issues; ethical issues and dilemmas and the role of the health care leader in decision making utilizing these sets of principles.

MHA 619 Applied Health Care Financial Management

This course in Applied Health Care Financial Management is directed at Health Care Administration students and will discuss the following: financial decision making and management, financial markets, balance sheet analysis, working capital management, capital structure, business valuation and risk management.

MHA 620 Health Care Policy and Reimbursement

This health care administration course focuses on economic, political and social evolution; access to health and medical services; public and private payment systems; current issues in organization and financing of health care in the United States.

MHA 622 Health Care Quality and Regulatory Management

This course in Health Care Quality and Regulatory Management is directed at Healthcare Administration students and will discuss the following: Quality and performance improvement programs and processes, quality management, root cause analysis and risk management. Additionally students will learn about required regulations for various types of organizations, regulatory bodies and survey processes. The focus is on quality improvement, patient satisfaction, quality and cost, measurement and management of quality information, provider evaluation, process improvement, root cause analysis.

MHA 638 Health Information Systems

This course is designed to provide a broad perspective of the field of Health Informatics. This course is appropriate for students in Nursing, Community Health, Social Work, Health Services Administration, Business Administration and Health Education. The course focuses on (a) application of electronic information delivery systems and methodologies, (b) electronic health records, (c) information technologies to deliver/enhance/coordinate care, (d) information retrieval and data analysis, (e) data driven decision-making, (f) risk management evaluation, (g) healthcare ethics and data confidentiality. Students will get an overview about areas of employment opportunities in the field of health informatics.

MHA 669 Capstone I

This course Capstone Project I-Integration Seminar is directed at Health Care Administration students and will discuss the following: defining recommendations for action; adapting to changes in health care and health care policy; negotiating and evaluating strategies (i.e. customer service, hospitality, satisfaction surveys). Students must have a minimum of 12 credits completed prior to enrollment in this course.

MHA 670 Capstone II

Capstone II is a two phase process, completed as the final course in the MHA program. The purpose of this course is to provide practical experience based in recently acquired theory. This will be accomplished via an internship for a required minimum of 80 hours. In this phase, students will have an opportunity to

work directly with community health care leaders. In the second phase, the student will develop a written project conceived, managed and researched by the student, which requires employing a concept learned and matched to a provider need.

Mathematics

MATH 502 Mathematics for Special Education

Development of number, algebra, geometry and measurement content along with methods for teaching mathematics in special education setting. Open only to majors and minors in special education. Does not substitute for MATH 406.

MATH 589 Continuing Studies Topics Course

This is a topical course in mathematics and may be repeated when the topic varies.

Music

MUS 524 Chamber Music Performance: Voice

Preparation and performance of chamber music. On request. May be repeated for credit.

MUS 531B Keyboard Pedagogy II

Practical application of teaching techniques, skills, and procedures studied in Mus 531A.

MUS 550 Student Recital

Special supplemental applied study in preparation for public recital appearance. May be repeated once for credit.

MUS 572 Instrumental Arranging

Arranging for both small and large ensembles.

MUS 574 Advanced Theory and Analysis

Continuation of the study of music through the use of advanced theoretical and analytical techniques. May be repeated for credit.

MUS 589 Continuing Studies Topical Course

Graduate level music workshop.

MUS 595 Special Topics in Music

Special Topics in Music

MUS 596 Workshop in Music Education

Special topics in music. May be repeated for credit if topic varies.

MUS 620 Instrumental Ensemble

Ensemble experience is required of all graduate music students. Although the graduate student will be assigned to one of the undergraduate ensembles, the responsibilities will include serving as assistant conductor with assignments to lead sectional rehearsals, full rehearsals, and possibly to prepare and conduct the ensemble during performance.

MUS 632 Advanced Studies in Teaching Elementary School General Music

Advanced study of music methods and materials for teaching music in elementary schools.

MUS 634 Kodaly Method for Training Teachers Level I

This course includes pedagogy for kindergarten through Grade 1. Folksongs are collected and analyzed for inherent musical concepts to be used within a sequenced curriculum for those grades. Musicianship covers the study of pentatonic scales and critical rhythmic and melodic skill development.

MUS 635 Kodaly Method for Training Teachers Level II

This course includes pedagogy for grades 2 and 3. Folksongs are collected and analyzed for inherent musical concepts to be used within a sequenced curriculum for those grades. Musicianship covers the study of diatonic and modal scales and critical rhythmic and melodic skill development.

MUS 636 Kodaly Method for Training Teachers Level III

This course includes pedagogy for Grades 4-6. Folksongs are collected and analyzed for inherent musical concepts to be used within a sequenced curriculum for those grades. Musicianship covers the study of modulation, harmonic analysis and chromaticism.

MUS 637 Orff-Schulwerk Level I

Instruction in Orff Level I is designed to lay a foundation of Orff techniques, rhythmic and melodic training. Focus in Level I is on the pentatonic scale, simple bordun, basic movement instruction, choral development at the primary level, and the introduction of the soprano recorder.

MUS 682 Computer Music

An exploration in music composition for computers using CMIX and CSOUND music synthesis languages; MIDI applications; and interactive media. C programming for digital instrument construction is covered along with basic UNIX applications. Prerequisites: Music 482/582.

MUS 685 Digital Audio Production

Advanced Digital Audio Production studies including Compact Disc production and Tonmeister techniques. Prerequisites: Music 481/581.

MUS 686 Projects in Computer Music

Students work on individual projects in computer music using our NeXT and Macintosh computers. Special instruction on music software design, advanced digital synthesis, computer music languages, C, and Lisp can be covered depending on the interests of the students. May be repeated for credit. Prerequisite: Music 682.

MUS 690 Topics

Topical seminar in Music; may be repeated when the topic changes.

MUS 695 Portfolio (Plan B)

Culmination portfolio for capstone projects

MUS 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

MUS 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

MUS 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

MUS 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

Nursing

NURS 590 Special Topics

Special topics related to specific areas of study. The course may be interdisciplinary in nature, and may be repeated when the topic varies.

NURS 599 Continuing Studies: Topics

Topic dependent.

NURS 600 Theoretical Perspectives of the Discipline

This core course is designed to help the student analyze, critique, and apply a variety of ethical theories, grand nursing theories, organizational, and biopsychosocial science theories that are applicable to advanced nursing practice across diverse settings.

NURS 602 Advanced Healthcare Ethics

This course addresses advanced health care ethics from an interdisciplinary standpoint. The course is interdisciplinary in nature. The course is designed to help students analyze, critique, and apply a variety of ethical theories that are relevant to the healthcare environment and healthcare professions. Students are further encouraged to consider ethics as it relates to decision-making models, social justice, research, service-learning, moral distress, professional code of ethics, and/or healthcare provisions.

NURS 603 Introduction to Research, Data Analysis and Informatics

The focus of this course is application of foundational research principles and outcomes including basic research review, introduction to evidence-based clinical practice, IRB/ethical implications in research, statistical analysis, and informatics. The course refreshes and builds upon basic research concepts covered in undergraduate nursing. It also revisits common inferential statistics, selection of appropriate planning, methods, statistical applications, performance measures, and tools relative to the research questions of choice in culturally-diverse academic and practice settings. The course addresses input of data and coding. The course may be interdisciplinary in nature and will be suitable for students who intend to conduct health care research. Admission to the Nursing program is required.

NURS 604 Advanced Nursing Research and EBP

Advanced Nursing Research includes an exploration of the research process and the methodologies

appropriate to nursing in culturally-divergent academic and practice settings. The analysis and critique of research studies and reports is a primary method for developing the knowledge and skills relevant to application and implementation of research studies. An introduction to the concepts and process of evidence-based clinical practice as well as effective change-agent strategies are included. The course includes development of a draft of the research proposal (thesis) and discussion of other dissemination possibilities. Prerequisite: Required upper division inferential statistics course within the three (3) years prior to NURS 604 enrollment. NURS 600. Recommended Prerequisite: Undergraduate nursing research course.

NURS 605 Healthcare Quality and Safety

This course is designed to develop leadership across the care continuum in diverse settings using quality and safety models, tools, and metrics. National patient safety goals, regulatory standards, nurse sensitive indicators, and high reliability organization concepts will be covered. Additionally, data management tools used for analysis and trending will be addressed in relation to quality and risk management. GPA must remain above a 3.0.

NURS 606 Health Care Delivery Systems, Policy, Financing and Leadership

This course is focused on the process of leadership in health care delivery systems policy at the organizational and governmental levels, and their impact in US health care delivery systems and finance. Students will analyze ethical decision-making and nursing roles in the policy-development and how such policies impact healthcare outcomes of individuals, families and populations. Fiscal and quality impacts of policy decisions upon institutions and the healthcare system will be considered.

NURS 608 Transcultural and Social Perspectives

Core course that broadens understanding of diversities in races, cultures, individuals, families, communities, populations, lifestyles, gender, and age groups. Explores changing demographics, major health needs, health promotion and disease prevention, and mental health issues in all cultures.

NURS 609 Advanced Pathophysiology: Concepts and Systems (P2)

This advanced course examines alterations in human physiology which lead to adaptation and/or disease throughout the lifespan. Biopsychosocial theory and research-based findings are integrated in the presentation of information regarding patho-physiological responses of body systems to disease processes. Physiological developmental stage expectations are reviewed in relation to synergistic effects and total body responses to system alterations. Emphasis is placed on: 9a0 physiological basis for pathological changes and the clinical manifestations which can result; 9b0 prevention of patho-physiological processes and responses in all body systems is emphasized; and 9c0 tertiary prevention and adaptation to altered physiological states. Physiological rationale for clinical management strategies will also be addressed. This will include both negative and positive effects of pharmacological agents.

NURS 610 Health Promotion and Disease Prevention

Critically examines patterns of health behaviors, risk assessment, lifestyles, developmental stages, sociocultural, psychological, and spiritual contributions to well-being. Includes data-based assessment and management of preventive health services and common acute and chronic conditions. The role of nursing is addressed as related to systems and community change to prevent disease and enhance health at the community level.

NURS 611 Advanced Pharmacology and Pharmacotherapy (P1)

This course is designed to promote understanding of the pharmaco-dynamics, pharmacotherapy, and pharmaco-kinetics of drug therapy as they relate to the treatment of specific biopsychosocial alterations/disease processes. Information relative to therapeutic management guidelines for treatment of selected disease processes will be presented. Drug information by classification and basic principles of pharmaco-dynamics and pharmaco-kinetics, clinical uses, mechanisms of action, contraindications, adverse reactions, drug interactions, and client education implications will be presented. Students will be instructed in how to best prescribe pharmacological modalities, how to monitor and manage prescribed treatments. Implications for uses with pediatric and geriatric populations will also be included. Guidelines for prescriptive privilege application will be presented.

NURS 612 Advanced Health/Physical Assessment (P3)

This course will focus on theory and research-based assessment, health histories, complete biopsychosocial assessments, and developmental assessments. The course incorporates effective interviewing skills communication, patient care technologies, inter-professional team collaboration, and improvement of nursing care across a wide variety of settings.

NURS 612P Advanced Health/Physical Assessment Practicum

Primary focus on CNS patient/client competencies. This course provides the student opportunities for application of patient/client competencies in self-selected clinical settings. Students will have the opportunity to observe and participate with a preceptor practicing in a clinical specialty area. Major patient/client competencies in assessment, health histories, assessment, advanced roles, evidenced-based practice, professional issues, organizational educational/practice trends, industry influences, changing role of the clinical nurse specialist and self-assessment are integrated into the course with an emphasis on breadth of the sphere | nursing practice role. 200 precepted clinical hours included.

NURS 614 Advanced Pathophysiology and Pharmacology I

This course is the first of two advanced courses that examine alterations in human physiology which lead to adaptation and/or disease throughout the lifespan. Emphasis is placed on the physiological basis for pathological changes, the clinical manifestations which can result and the basis for treatment including pharmacological management. Application to nursing student education will also be considered.

NURS 616 Advanced Pathophysiology and Pharmacology II

This course is the second of two advanced courses that examine alterations in human physiology which lead to adaptation and/or disease throughout the lifespan in the neurological, renal, gastrointestinal, musculoskeletal and integumentary systems. Clinical manifestations, basis for pharmacological management and application to nursing student education will be emphasized.

NURS 618 Family Theory in Nursing Practice

Theory-based family dynamics and their influence on health behaviors, health promotion and disease prevention. Patterns of health behaviors, lifestyles, developmental stages, and sociocultural, psychological, physiological and spiritual contributions to well-being within families.

NURS 622 Teaching Technology and Information Management

Theoretical basis for information systems, teaching, and learning enhanced through the use of technology. Sources of information including databases for health professions are explored. Networking and

establishment of inter-professional team are emphasized. Emphasis is on helping nurse educators to select appropriate instructional and communication technologies to enhance learning. Environmental, social, political, financial, and practice setting trends influencing current technology on the delivery of quality nursing education and nursing care are examined.

NURS 623 Nurse as Educator

Provides an opportunity for analysis, synthesis and evaluation of the nurse educator's role (clinical and academic) and responsibilities, incorporates patterns of nursing education, instructional design, and professional, social and political issues influencing nursing education.

NURS 627 Program/Curriculum Design and Evaluation

Curriculum philosophies, methods, and processes provide a framework for planning nursing education models that create a learner-centered environment; consideration given to program evaluation, data collection methods, and the ethics and standards of evaluation practice; strategies for a relevant curriculum/program are influenced by current health profession issues and future societal trends.

NURS 640 Advanced Adult-to-Gerontological Health I

Evaluation and synthesis of advanced pathophysiology concepts applied to nursing and health-related theories, and research related to client outcomes. Health and illness phenomena, symptom management, and nursing interventions will be studied as applied to young adult, older adult, and frail elderly. Clinical decision-making, consultation/management and teaching/learning theories are emphasized.

NURS 640P Advanced Clinical Nurse Specialist Practicum I

This course provides the student opportunities for application of knowledge and nurses/nursing practice competencies in self-selected clinical settings. Students will have the opportunity to observe and participate with a preceptor practicing in the clinical specialty area. Major nurses/nursing practice competencies in the CNS advanced roles, "Best Practices", evidenced-based practice, professional issues, organizational educational/practice trends, industry influences, changing role of the educator/clinical nurse specialist and self-assessment are integrated into the course with an emphasis on clinical nurse specialist competencies in the areas of nurses and nursing practice. 200 precepted clinical hours included.

NURS 641 Advanced Adult-to-Gerontological Health II

Continuation of Adult-to-Gerontological Health I Adult Nursing I. Focus on evaluation of client outcomes of symptom management. Pathophysiological concepts, nursing and health-related theories, and research related to adult client health and illness phenomena are analyzed. Emphasis on clinical decision-making, teaching/learning theory and formulation of researchable questions for advanced nursing practice as a CNS for young adult, older adult, and frail elderly. Theoretical frameworks for activities related to nursing and nursing practice at the organization and systems level are explored. Nursing practice problems are analyzed and solutions are proposed using current literature findings and current best practice.

NURS 641P Advanced CNS Practicum II

Provides opportunities for a capstone experience to implement the role components of the specialty area and organizational/system. The student will integrate skills, attitudes, and knowledge learned in selected clinical settings. Emphasis is on professional issues, organizational systems, nursing practice trends, consultation, program planning, education, health promotion, prevention of disease, and changing role of

the advanced practice nurses. Students will have the opportunity to observe and participate with a preceptor practicing in the clinical specialty area. 200 precepted clinical hours included.

NURS 642P Advanced Nurse Educator Practicum I

Focus on Academic Nursing Education. This course provides the student opportunities for application of knowledge and skills in self-selected academic nursing education setting. Students will have the opportunity to observe and participate with a preceptor practicing in a higher learning setting area. Major competencies in evidenced-based practice, professional issues, organizational education/practice trends, industry influences, changing role of the educator and self-assessment are integrated into the course with an emphasis on breadth of the nursing higher education practice role. The course focuses on the expanded role expectations for registered nurses prepared at the graduate level in nursing education. 100 precepted clinical hours included.

NURS 643P Advanced Nurse Educator Practicum II

Focus on Clinical Nursing Education. This course provides the student opportunities for application of knowledge and skills in self-selected nursing clinical educations. Students will have the opportunity to observe and participate with a preceptor practicing in a clinical practice setting with a focus on patient and staff education. Major competencies include Nurse Educator advanced roles, evidenced-based practice, professional issues, organizational educational/practice trends, industry influences, changing role of the educator/clinical nurse specialist and self-assessment are integrated into the course with an emphasis on breadth of the nursing clinical educator practice role. The course focuses on the expanded role expectations for registered nurses prepared at the graduate level in nursing clinical education. 200 precepted clinical hours included.

NURS 644P NAOSL Practicum I

Nursing Administration and/or Organizational Systems Leadership in an acute care setting. This course provides the student opportunities for application of knowledge in nursing administrative and/or organizational systems leadership capacities within self-selected clinical acute care settings. Students will have the opportunity to observe and participate with a preceptor practicing in the clinical specialty area of nursing administration and organizational systems leadership. Key nurses/nursing practice competencies in the nursing administration and organizational systems leadership roles will incorporate major premises of the American Organization of Nurse Executives (AONE) competencies including: (a) Communication and Relationship Management, (b) Knowledge of Healthcare Environment, (c) Leadership, (d) Professionalism, and (e) Business skills/principles. Additional Nursing Manager and Leader (CNML) essentials will be interwoven into the curriculum including: (a) Clinical Practice Knowledge, (b) Quality Management, and (c) Performance Improvement. 100 precepted clinical hours. GPA must remain above a 3.0.

NURS 645P NAOSL Practicum II

Nursing Administration and/or Organizational Systems Leadership in a long-term care, ambulatory, or public health setting. This course provides the student opportunities for application of knowledge in nursing administrative and/or organizational systems leadership capacities within self-selected long-term care settings. Students will have the opportunity to observe and participate with a preceptor practicing in the clinical specialty area of nursing administration and organizational systems leadership. Key nurses/nursing practice competencies in the nursing administration and organizational systems leadership

roles will incorporate major premises of the American Organization of Nurse Executives (AONE) competencies including: (a) Communication and Relationship Management, (b) Knowledge of Healthcare Environment, (c) Leadership, (d) Professionalism, and (e) Business skills/principles. Additional Nursing Manager and Leader (CNML) essentials will be interwoven into the curriculum including: (a) Clinical Practice Knowledge, (b) Quality Management, and (c) Performance Improvement. 100 precepted clinical hours. GPA must remain above a 3.0.

NURS 689 Thesis/Project Seminar 1

Major focus of this course will be on development of scholarly writing skills appropriate for research study development. Students will participate in written critique processes, identify research resources, and establish a clear plan for thesis/project success. The course must be repeated until the student has completed all the assignments.

NURS 690 Topics

Topical seminar in Nursing; may be repeated when the topic changes.

NURS 691 Thesis/Project Seminar 2

Major focus of this course will be on successful completion of proposal meeting, post-proposal thesis/project chapter edits, institutional review board document development for study site and MSUM, and plan for implementation of thesis/project. The course must be repeated until the student has completed the final assignments.

NURS 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

NURS 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

NURS 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

NURS 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

NURS 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

NURS 706 Organizational and Systems Leadership

Organizational and systems leadership skills critical for nursing practice programs to improve clinical care and health outcomes are evaluated. The focus is on legal and business realities of leading large systems, including large individual organizations, and large systems composed of many organizations.

Physical Education

PE 553 Assessment and Programming in D/APE

A study of instructional/administrative methods and activities for the physical education program as related to the needs, interests and abilities of persons with physical and/or mental handicaps.

PE 554 Curriculum in Developmental/Adapted Physical Education

Prepares Developmental/Adapted specialists to provide direct service to handicapped students, serve as consultants to other physical education teachers, assess motor and physical fitness levels, write individual programs, read and understand research in adapted physical education.

PE 599 Physical Education Workshop

This is a topical workshop course and may be repeated when the topic varies.

Psychology

PSY 517 Child Psychopathology

Includes an overview of the characteristics, classification, and developmental course of disorders of childhood and adolescence. Introduces an integrative approach incorporating different theoretical models. Considers biological, familial, social and cultural contexts and individual differences. Prevention and intervention approaches discussed. Prerequisite: 9 credits of Psychology courses

PSY 563 Abnormal Psychology

Descriptive and explanatory models are detailed in relation to their relevance to behavior pathology and the prevention of abnormal behavior.

PSY 565 Clinical Psychology

Discussion of techniques of psychotherapy, crisis intervention, interviewing, clinical assessment and prevention of disorder. Emphasis on psychotherapy as a process of understanding.

PSY 570 History and Systems of Psychology

An overview of the development of psychology from associationism to the present. Schools, fields and areas of psychology are emphasized.

PSY 590 Special Topics in Psychology

Coverage of a topic not central to other courses in the department. Topics will vary depending on the interest of students and faculty.

PSY 601 Foundations of School Psychology

An introduction to school psychology as a profession and to education as the primary arena within which school psychologists operate. Historical foundations and current status of education, introduction to special education, basic legal and ethical issues, professional roles, and the relationship of school psychologists to other educational and mental health team members are addressed.

PSY 611 Children's Thinking

Course covers key research and theories in cognitive development. Topics will center on development of

perceptual abilities, language, memory, concepts, social cognition, and problem solving from birth through adolescence.

PSY 613 Biopsychology

A study of brain-behavior relationships emphasizing human clinical applications.

PSY 620 Measurement Theory

Theory and principles involved in test construction and interpretation. Issues associated with testing practices and various categories of tests are reviewed. Laboratory in administration of educational tests required.

PSY 620L Measurement Theory Lab

Laboratory in administration of educational tests.

PSY 621 Assessment/Intervention I: Basic Processes

Basic theories and processes of school psychological assessment and interventions in a data-based problem solving framework. A variety of assessment techniques are covered including observation, interviewing, rating scales, functional behavior assessment, curriculum-based assessment and basics of parent/teacher consultation. Emphasis on ensuring decisions and interventions are creating positive change for students from a wide variety of socioeconomic, cultural and language backgrounds.

Concurrent enrollment in PSY 641 Practicum I.

PSY 621L Assessment/Intervention I Lab

Assessment/Intervention I: Basic Processes Lab

PSY 622 Assessment/Intervention II: Special Populations

Includes intellectual assessment and instructional intervention techniques with an emphasis on linking assessment and intervention. Focus on students with mild to moderate disabilities. Written and oral communication skills emphasized. Registration in separate lab required. Concurrent enrollment in PSY 642 Practicum II.

PSY 622L Assessment/Intervention II: Special Populations Lab

Assessment/Intervention II: Special Populations Lab

PSY 633 Statistics/Methods for School Psychologists

Examines principles of univariate and non-parametric statistics, including inferential tests, correlations, and regression, as well as critical analysis and interpretation of school psychology relevant research articles. Also includes examination of experimental, quasi-experimental, survey, and descriptive research, focusing on designs, validity, power, effect size, and ethical principles. Prerequisite: One course in statistics.

PSY 634 Methods for Evidence Based Practice

Primary focus on data collection and analysis skills for the practicing educators. Applied research and data analysis techniques used for evidence based practice including single subject and small n designs; program evaluation; and action research. Ethical issues related to school-based data sets and vulnerable and diverse populations.

PSY 635 Research Seminar I in School Psychology

Seminar in applications and procedures when conducting psychological research. Writing a research proposal.

PSY 636 Research Seminar II

Advanced seminar in applications and procedures when conducting psychological research. Two credits when taken concurrently with PSY 696; one credit when taken concurrently with PSY 699.

PSY 641 Practicum in School Psychology I

On-site exposure to the practice of school psychological services and supervised experience in applying principles and techniques learned in Assessment/Intervention I. 100 clock hours.

PSY 642 Practicum in School Psychology II

On-site exposure to the practice of school psychological services and supervised experience in applying principles and techniques learned in Assessment/Intervention II. 100 clock hours.

PSY 690 Topics

Topical seminar in Psychology; may be repeated when the topic changes.

PSY 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

PSY 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

PSY 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

PSY 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

PSY 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

PSY 701 Issues in the Practice of School Psychology

Seminar to discuss relevant issues in school psychology. Includes discussion of ethical, multicultural, and professional practice issues, as well as other specific topics relevant to students' concurrent internship. Also includes opportunities for discussion of internship experiences.

PSY 723 Assessment/Intervention III: Early Childhood Handicaps

This course focuses on theories and processes of psychological and educational assessment and intervention with infants and young children.

PSY 724 Assessment/Intervention IV: Psychosocial Problems

This course will expand on skills and concepts of psychological assessment learned in Assessment/Intervention I/II/III. It will focus on assessment and intervention for students with psychosocial difficulties, such as attention deficit, autism, and disruptive behavior disorders. Topics covered include the theory and practice of counseling children and adolescents, crisis in the schools and competence in serving students from diverse backgrounds.

PSY 728 Systems Intervention

A seminar for advanced graduate students in school psychology. Systems level and organizational interventions will be the focus of study. Topics include organizational development, primary intervention, child advocacy, consultation, and intervention for classes of children.

PSY 744 Practicum in School Psychology III

On-site exposure to the practice of school psychological services and supervised experience in applying principles and techniques learned in Assessment/Intervention IV. 100 clock hours.

PSY 760 Internship in School Psychology

Supervised experience as a school psychology intern in an approved setting for one year full time (at least 33 hours per week) or two years half time (at least 17 hours per week). A minimum of 1200 hours total. One credit is available for each 200 clock hours of internship. Must be repeated to a total of six credits for the Specialist degree.

PSY 791 Independent Study

Individual topical studies of special interest. Course may be repeated.

PSY 796 Specialist Portfolio in School Psychology

Portfolio and orals documenting completion of School Psychology Program goals and requirements. Two credits required for the Specialist degree.

PSY 798 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements or when not otherwise actively enrolled. Student not otherwise enrolled at the time they sit for the oral exam must enroll in Psy 698 (Master's) or Psy 798 (Specialist). This course may not be used to meet any program or graduation requirements.

School of Teaching and Learning

STL 513 Effective Teaching

In this course, the candidate continues to develop an understanding of how students learn and how students develop intellectually, socially, and emotionally. Candidates will understand how to meet the needs of culturally and/or developmentally diverse learners across the scope and content of the curriculum. Candidates will identify and design instructional approaches which nurture critical thinking skills, model problem solving, and encourage student achievement. The candidate will develop, implement, and evaluate lesson plans which meet the individual and developmental needs of learners. Candidates will explore the use of educational technology for motivation, instruction, and assessment. Candidates will model effective and respectful communication techniques. The candidate will understand

the role of special education and the varying models of special education services including co-teaching with the general education teacher. The candidate will demonstrate an understanding of the role of the individual education plan for students with identified special education needs and the role of the classroom teacher in adapting instruction and curriculum according to the IEP.

STL 528 Building Partnerships

This course will focus on the knowledge, skills, and dispositions necessary for building relationships in the field of education. Understanding issues faced by contemporary families and their relationship to schools will be studied. Barriers, strategies, communication, consultation and cross-cultural sensitivity are covered. The teacher's role in building effective relationships with families and other professionals is emphasized.

STL 542 Advanced Reading and Writing Methods PreK-3

This is the second methods course for teaching reading and writing to primary age children. In this course candidates will deepen their knowledge of how to effectively teach reading and writing in the primary grades. STL 542 includes a strong emphasis on the role of assessment in the teaching and learning process, exposes candidates to a variety of literacy assessments, and continues to build their understanding of a response to intervention approach to instruction.

STL 574 Methods in Teaching Elementary Science and Environmental Education

Methods course for teaching science and environment education in elementary settings. Emphasizes inquiry learning, methods of instruction and assessment, place-based environmental education, integration across the curriculum, safety, and responsiveness to student diversity.

STL 575 Teaching Reading and Writing Grades 4-6

Methods course for teaching language arts in the intermediate grades. In this course candidates will learn strategies to strengthen students' ability to read advanced texts as well as the use of reading and writing to learn content across the curriculum. Candidates will examine a variety of instructional approaches, including: literature circles, integrating literature into content learning, and building comprehension and vocabulary through integrated experiences. In addition, students will explore a variety of language arts curricula. Candidates will develop a range of strategies to support older students' reading and writing development through a response to intervention instructional approach.

STL 576 Methods for Teaching Elementary Social Studies

Content, philosophy, and organization of social studies program; methods of instruction and curricular issues. Recommended Co-requisite STL 574.

Social Work

SW 511 Chemical Dependency

Exploration of chemical use, abuse, and addiction, with emphasis on alcohol as the drug of choice. Prevention, intervention, special problems of women, youth, elderly, and minority populations are examined.

SW 590 Topical Seminar in Social Welfare

Selected topics of concern to social work students and human service professionals. May be repeated to 6 credits.

SW 597 Independent Study

Individual study, project, or research of special interest. Repeatable to 6 credits. May apply to the social work elective requirement for the major.

SW 599 Social Work Workshops

Workshops in the Department of Social Work to meet specific needs of students and agency personnel in the community.

Spanish

SPAN 512 Periods and Authors of Iberian /Latin American Literature

Analysis and discussion of major periods and/or authors from Iberian and/or Latin American Literature.

SPAN 521 Advanced Iberian Culture and Civilization

In-depth analysis and discussion of Iberian culture and civilization. Students must inform the professor, during the first week of class, whether or not they intend to use this course as the elective in which they will complete the project or paper that is required of all majors.

SPAN 522 Advanced Latin American Culture and Civilization

Coursework helps students develop awareness and understanding of the cultures of Latin America through the study of historical and geographical facts, art, political life, and general customs of the people of Latin America.

SPAN 590 Special Topics in Spanish Language, Literature or Culture

In-depth study of a selected topic in Spanish. May be repeated for credit. Counts toward the Spanish major or minor.

SPAN 597 Independent Study in Spanish - Advanced Level

Selected project as agreed upon by student and instructor. May be repeated for a total of 4 credits. Requires approval by department chair upon presentation of proposal.

Special Education

SPED 502 Characteristics of Students with Mild Disabilities

A study of definitions, identification, assessment, characteristics, educational strategies, and program models for children and youth with high-incidence, mild disabilities. The course will specifically focus on the high-incidence disabilities of Learning Disabilities, Emotional/Behavioral Disorders, High Functioning Autism, Mild Developmental/Cognitive Disabilities, and other mild disabilities such as Other Health Impairments and ADHD.

SPED 503 Methods: Mild Disabilities

Course addresses teaching theories, strategies and techniques for teaching students with mild disabilities

including Specific Learning Disabilities, Emotional/Behavioral Disorders, High Functioning Autism, Mild Developmental/Cognitive Disabilities and other related mild disabilities such as Traumatic Brain Injury and Other Health Impairments (ex: ADHD). Course covers teaching methods across specific content areas as well as assistive technology and other teaching practices(ex: co-teaching).

SPED 504 General Education Curriculum and Standards

This course is designed especially for special education students to explore foundations of curriculum and become familiar with curricular issues in general education, including standard-based instruction, current educational practices and debates, local and statewide assessments as well as practical applications of technology.

SPED 513 Instructional Strategies

Curriculum planning and classroom teaching techniques for students with disabilities will be examined. Topics will include adaptation of instruction, assessment and designing individualized educational plans, as well as various content and learning problems.

SPED 514 IEP Policies and Methods

This course will address key issues regarding the collaborative development of the Individual Education Plan (IEP). The IEP is the cornerstone of services for students identified as having a specific disability in need of special education services. Students will learn best practices for collaborative IEP development and creation. The development of a clearly written document including all parts of the IEP will be drafted and finalized into accurate, sound documents.

SPED 517 Educating Student with Severe Disabilities

Examination of the definitions, characteristics, instructional methods/techniques, and educational programming for learners with severe disabilities. Also explored are typical and atypical motor development with mobility techniques and prosthetic and technical devices.

SPED 519 Biomedical Aspects

This course is designed to help you understand the medical aspects and terminology, human anatomy and physiology, pharmacology, kinesiology, neurology, secondary health care issues, accompany specific physical and health disabilities, specific condition needs, managing personal care, first aid techniques, and evacuation procedures. Prerequisite substitutions require instructor consent.

SPED 523 Young Children with Disabilities and Their Families

Examination of the program models and approaches to services for young children with disabilities and their families. Research on the efficacy of early intervention and aspects of family systems is reviewed. Current issues in service provision, teaming, and individual program plans are also included in the course. Prerequisite substitutions require instructor consent.

SPED 524 Assessment in Early Childhood Special Education

Examines assessment instruments and procedures with infants, toddlers, preschoolers with disabilities. Approaches to identification, screening, assessment selection and programming are explored. Prerequisite substitutions require instructor consent. Prerequisite substitutions require instructor consent.

SPED 526 Infant/Toddler Strategies

This course provides for the study of the philosophical, legislative and practical foundations of early

intervention services for children from birth through age two who are at-risk or have been identified with disabilities and/or developmental delays and their families. The course is designed to provide the knowledge and skills necessary to be an effective professional in providing family-centered early intervention services and emphasizes parent-professional collaboration, interagency and interdisciplinary planning, and design of effective individual family service plans (IFSP). Course content covers intervention in natural environments and an overview of instructional strategies for use in early intervention practices.

SPED 527 Instructional Strategies: Preschool

The focus of this course will be knowledge and skills required to design and implement individual and group instructional programs for children with special needs from 3-6 years. The development of instructional objectives and systematic teaching strategies in motor, cognitive, social, communication and self-care skills will be emphasized. Prerequisite substitutions require instructor consent.

SPED 530 Foundation of Reading and Writing Methods

In this first of two literacy intervention courses, candidates will learn pedagogy that supports the development of reading and writing. By knowing and understanding the foundation of literacy & literacy instruction, candidates will begin to explore instructional practices, focusing on developing a holistic framework for teaching.

SPED 531 Survey of Autism Spectrum Disorders

This course is designed to immerse the learner in text, research, and data describing the characteristics and defining qualities of Autism Spectrum Disorder. The significance of early identification and intervention across the five primary autism spectrum disorders will be analyzed. Best practices for intervention including collaboration, communication, and observation strategies will be introduced.

SPED 532 Identification and Assessment of Autism Spectrum Disorders

This course is designed to immerse the learner in current topics regarding effective screening and assessment for students with Autism Spectrum Disorders (ASD). Students will examine the eligibility criteria for ASD and will become skilled in the identification and assessment of individuals with autism spectrum disorders. Students will become familiar with the selection of, use of, and interpretation of appropriate screening and assessment tools and will be able to create a comprehensive evaluation report based upon assessment results.

SPED 534 Instructional Strategies for Learners with Autism Spectrum Disorders

This course will focus on identifying and meeting the educational needs of students with Autism Spectrum Disorders across educational environments. Participants will learn to develop effective instructional and transitional strategies based upon a student's individual strengths and needs. Curriculum content will address social, communication, academic and functional skills domains.

SPED 535 Asperger's Disorder: Instructional Strategies

This class will present content specific to the needs of teachers who assess and instruct elementary, middle, and high school students having a diagnosis of Asperger's Syndrome. The course will provide students with an opportunity to study Asperger's Syndrome in the following areas: instructional theory and research, sensory needs, social skills and communication, behavioral profiles, and assessment.

SPED 536 Communication Strategies & Social Skills for Students with ASD

This course will focus on identifying and meeting the social and communication needs of students with Autism Spectrum Disorders. Course participants will learn to develop effective interventions and education strategies for teaching communication skills while addressing and supporting the development and the maintenance of social skills. Curriculum content will address skills across environments.

SPED 543 Consultation and Collaboration in Special Education and Human Services

Understanding and development of professional consultation and collaboration skills to initiate and apply appropriate and effective teaming techniques for assessment, intervention, and evaluation via transdisciplinary approaches for special needs students/clients and their caregivers.

SPED 545 Methods of Reading Intervention

Second in a series of two methods courses where candidates will learn and apply knowledge and pedagogy that support the development of reading and writing in children with disabilities. By knowing and understanding the premise of literacy development and intervention, candidates will explore effective instructional, assessment, and intervention practices.

SPED 546 Remedial and Corrective Reading Clinic

Supervised practice in remediating children with reading disabilities at the primary, intermediate, and secondary level. Prerequisite substitutions require instructor consent.

SPED 547 Physical & Health Disabilities

This course is designed to provide you with up-to-date information on the needs of the students in your school who have experienced periods of poor health or physical adversity. This course provides you an understanding of how students' illnesses or disabling conditions affect their everyday lives. Prerequisite substitutions require instructor consent.

SPED 555 Characteristics of Students with Learning and Behavior Problems

A study of definitions, identification, assessment, characteristics, educational strategies, and program models for children and youth with learning disabilities and/or emotional/behavior disorders.

SPED 556 Functional Curriculum and Assessment

The purpose of this course is to develop an understanding of individuals with developmental disabilities as well as a functional, life-skills orientation to assessment and curriculum that involves both academic and life skills instruction. Students will perform both informal and formal assessment, write an assessment report, and develop curriculum which allows for integration of students with identified cognitive impairments. Prerequisite substitutions require instructor consent.

SPED 559 Communication Programming for Persons with Severe Disabilities

This course covers issues related to communication program and decision-making models for communication programming for individuals with severe disabilities. The emphasis is on assessing an individual's communication skills, selecting appropriate components for the communication system and planning intervention strategies. Prerequisite substitutions require instructor consent.

SPED 563 Assessment Strategies

Assessment of scholastic achievement and aptitude, social behavior, and instructional effectiveness through the use of norm referenced individualized test instruments and informal instructor designed

procedures. Course includes report writing, establishment of objectives, participation in the development of IEPs, and review of basic statistical and measurement concepts.

SPED 564 Educational Planning and Adaptation for Students with Learning Problems

Educational and transitional adaptations for learning disabled or emotional/behavioral disordered secondary students based on individual cognitive, affective, and behavioral characteristics. Prerequisite substitutions require instructor consent.

SPED 567A Secondary Practicum: Mild Disabilities

Directed practicum experience in secondary level special education resource room setting. 225 hours field experience. SPED 564 is to be taken concurrently. Concurrent course substitutions require instructor consent.

SPED 567D Secondary Practicum: Developmental Disabilities

Directed practicum experience in secondary level special education resource room setting. Students will spend approximately 15 hours per week in schools.

SPED 567E Early/Elementary Special Education Practicum

Advanced practicum when adding a Special Education license to an existing teacher license and/or degree in education. Requires application of current MN Board of Teaching standards in licensure specific areas (Early Childhood Special Education (ECSE), Developmental Disabilities (DD), Physical/Health Disabilities (P/HD), Specific Learning Disabilities (SLD), Emotional/Behavioral Disorders (E/BD), and/or Autism Spectrum Disorders (ASD). Candidates must demonstrate proficiency in specific tasks related to each standard to include infants, toddlers and preschoolers and/or K-6 students in elementary Special Education programs.

SPED 567I Infant/Interagency Practicum

Advanced practicum with infants and toddlers with disabilities from education, health, and social services perspectives in home and clinical settings. Concurrent registration in SPED 527 is required. Prerequisite substitutions require instructor consent.

SPED 567M Middle School Special Education Practicum

Advanced practicum when adding a Special Education license to an existing teaching license and/or degree in education. Requires application of current MN Board of Teaching standards in licensure specific areas Early Childhood Special Education (ECSE), Developmental Disabilities (DD), Physical/Health Disabilities (P/HD), Specific Learning Disabilities (SLD), Emotional/Behavioral Disorders (E/BD), and/or Autism Spectrum Disorders (ASD). Candidates must demonstrate proficiency in specific tasks related to each standard as relevant to students in Middle School Special Education programs.

SPED 567P Practicum in Physical and Health Disabilities

Directed practicum in a public school elementary or secondary setting for pupils with physical/health disabilities. Students will spend 225 hours in schools. Concurrent registration in SPED 547 is required. Prerequisite substitutions require instructor consent.

SPED 567S Secondary Special Education Practicum

SPED 567S is the advanced practicum when adding a Special Education license to an existing teaching

license and/or degree in education. Requires application of current MN Board of Teaching standards in licensure specific areas (Developmental Disabilities (DD), Physical/Health Disabilities (P/HD), Specific Learning Disabilities (SLD), Emotional/Behavioral Disorders (E/BD), and/or Autism Spectrum Disorders (ASD). Candidates must demonstrate proficiency in specific tasks related to each standard as relevant to students in High School Special Education programs.

SPED 568B SLD Middle/Secondary Competency Based Field Experience

Directed student teaching at the secondary level in special education SLD Program. Students will spend the equivalent of four weeks, full time in a middle school or secondary setting. Prerequisite or concurrent course substitutions require instructor consent of the SLD licensure coordinator.

SPED 568C E/BD Middle/Secondary Competency Based Field Experience

Directed student teaching at the secondary level in special education E/BD Program. Students will spend the equivalent of four weeks, full time in a middle school or secondary setting. Prerequisite or concurrent course substitutions require instructor consent of the E/BD licensure coordinator.

SPED 568D DD Middle/Secondary (Severe) Competency Based Field Experience

Directed student teaching at the secondary level in special education DD Program for students with severe developmental disabilities. Students will spend the equivalent of four weeks, full time in a middle school or secondary setting. Prerequisite or concurrent course substitutions require instructor consent of the DD licensure coordinator.

SPED 568E Student Teaching II: ECSE

Directed student teaching experience in an ECSE program. Students will spend 200-300 hours in schools. Prerequisite substitutions require the approval of the ECSE licensure coordinator.

SPED 568P Student Teaching II: Physical and Health Disabilities

A second student teaching experience in a public school elementary or secondary setting for pupils with physical and health disabilities. Students will spend 200-300 hours in schools. Prerequisite substitutions require the approval of the P/HD licensure coordinator.

SPED 570 Secondary Services & Transitional Planning

Transitional planning for secondary students with disabilities including transitional assessment, programming and planning based on individual cognitive, affective and behavioral characteristics will be covered in depth in this course. Students will also acquire knowledge of post-secondary service options and funding sources.

SPED 571 Behavior and Environment Management

Application of learning theory and applied behavior analysis to teaching and to the problem of altering maladaptive behavior. Specific variables related to classroom and community based instruction of individuals with a variety of learning characteristics are included. Prerequisite substitutions require instructor consent.

SPED 575 Informal Assessment/Teaching Strategies: Students with Learning Disabilities

Informal assessment techniques and teaching strategies across the core content areas and in social skills for elementary and secondary students with specific learning disabilities. Prerequisite substitutions require instructor consent.

SPED 578 Educational Interventions: Emotional/Behavioral Disorders

Program design, intervention techniques, and management strategies for student with Emotional/Behavioral Disorders. Prerequisite substitutions require instructor consent.

SPED 589 Continuing Studies: Topics

This is a continuing studies topics class and may be repeated when the topic varies. Prerequisite substitutions require instructor consent.

SPED 590 Special Topics

Advanced treatment of selected topics. Prerequisite substitutions require instructor consent.

SPED 594 Legal/Social Foundations of Special Education

This course overviews the educational sociological, legal, and historical frameworks of special education services within the context of public school systems. It includes research on the efficacy of special education; national and state reform and renewal efforts in general and environmental professional preparation, litigation and legislation, and best practices in curriculum for all learners. Issues related to families in a changing educational system are also addressed. Prerequisite substitutions require instructor consent.

SPED 595 Special Problems

Directed field experience, reading, or research in special education. May be repeated up to 6 credits.

SPED 605 Single Subject and Small Group Research Designs

Introduction to research on single subjects and small groups, with application to problems in education and related areas. Prerequisite substitutions require instructor consent.

SPED 606 Research and Applications in Behavior Analysis

Advanced instruction on the scientific foundation of applied behavior analysis with an emphasis on research-based application of learning theory applied to teaching and management of challenging behavior.

SPED 613 Inclusive Teaching Practices

Learners in this course will explore effective inclusive practices including the use of technology and assistive technology when planning for diverse classrooms. Learners will also utilize grade level standards and student data to plan instruction, create individualized plans and promote classroom environments that foster student growth.

SPED 620 Perspectives and Policies in Special Education

This course is designed for graduate students, especially those in School Psychology, and Speech, Language and Hearing, and Special Education. Historical, legal, social and political frameworks for special education within schools and communities will be examined. Emphasis will be on the relationship between special and general education, inclusionary practices, family-focused interventions and collaborative teaming.

SPED 661 ECSE Program Effectiveness

Accountability is a critical factor in Early Childhood Special Education (ECSE). ECSE teachers must be able to demonstrate children's growth as well as demonstrate program effectiveness. This course will

focus on discovering supports that are needed for a child to learn and the requirements for on-going assessment within a responsive curriculum. Linking assessment with intervention will be explored through Response-to-Intervention and Curriculum-Based Assessment, among other assessment procedures.

SPED 663 Advanced Measurement/assessment

Advanced coverage of measurement and assessment in special education as applied to learners with mild disabilities, including measurement concepts; use of standardized and non-standardized assessment procedures; rating scales and observational techniques; and interpretation of assessment results. Prerequisite substitutions require instructor consent.

SPED 664 Theory and Process of Consultation and Collaboration

This course offers applied training in advanced practical aspects of professional consultation, collaboration, conflict resolution and crisis preparedness. Theories of conflict resolution and consultation will be addressed as well. This course takes a transdisciplinary approach using case studies and professional reflection for increased efficacy in assessment, intervention, and evaluation of special needs and at-risk students/clients and their caregivers. This class includes online discussion, electronically submitted assignments, independent reading, online group presentations, and weekly reflections of course materials and readings.

SPED 668B Graduate Licensure Practicum: LD

This graduate field experience is required for completion of the Learning Disabilities license. During this field experience students are required to complete 120 hours where the majority of time is directly engaged with students with learning disabilities. Students will also be required to complete assignments based on the MN Board of Teaching Standards. While they may engage in observations, record reviews, discussions as part of the 120 hours, time for developing the written assignments are not to be counted towards these hours.

SPED 668C Graduate Licensure Practicum: EBD

This graduate field experience is required for completion of the Emotional Behavior Disorders license. During this field experience students are required to complete 120 hours where the majority of time is directly engaged with students with emotional behavior disorders. Students will also be required to complete assignments based on the MN Board of Teaching Standards. While students may engage in observations, record reviews, discussions as part of the 120 hours, time for developing the written assignments are not to be counted towards these hours.

SPED 668D Graduate Licensure Practicum: DD

This graduate field experience is required for completion of the Developmental Disabilities license. During this field experience students are required to complete 120 hours where the majority of time is directly engaged with students with Developmental Cognitive Disabilities. Students will also be required to complete assignments based on the MN Board of Teaching Standards. While students may engage in observations, record reviews, discussions as part of the 120 hours, time for developing the written assignments are not to be counted towards these hours.

SPED 668E Graduate Licensure Practicum: ECSE

This graduate field experience is required for completion of the Early Childhood Special Education

license. During this field experience students are required to complete 120 hours where the majority of time is directly engaged with students with learning disabilities. Students will also be required to complete assignments based on the MN Board of Teaching Standards. While students may engage in observations, record reviews, discussions as part of the 120 hours, time for developing the written assignments are not to be counted towards these hours.

SPED 668I Graduate Licensure Practicum: Infant/Toddler

This graduate field experience is one of two field experiences students will complete to meet the requirements for the ECSE license. This practicum requires students to complete 120 hours in an early intervention/0-3 placement. The majority of time should involve direct engagement with learners with disabilities, however, students will also be required to complete assignments based on the MN Board of Teaching Standards. While students may engage in observations, record reviews, discussions as part of the 120 hours, time for developing the written assignments are not to be counted towards the 120 hours.

SPED 668P Graduate Licensure Practicum: PH/D

This graduate field experience is required for completion of the Physical/Health Disabilities license. During this field experience students are required to complete 120 hours where the majority of time is spent with a teacher licensed in Physical/Health Disabilities. Students will also be required to complete assignments based on the MN Board of Teaching Standards. While students may engage in observations, record reviews, consultations as part of the 120 hours, time for developing the written assignments are not to be counted towards these hours.

SPED 669 Advanced Practicum in Special Education

Advanced practicum experience in indicated area of special education, includes assessment, formulation of treatment program, and supervision of others. 100-200 hours field experience. Prerequisite substitutions require instructor consent.

SPED 670 Transitional/Career Education for Secondary Students

This course is designed to be an advanced study of transition/career education curriculum and planning for secondary students with disabilities. Students develop the ability to interpret and evaluate transitional assessment and planning in relation to state and federal mandates. An understanding of the relationship of career development theory and transition is infused across the content. Post-secondary service options, funding sources, cooperative programming(interagency) and evaluate quality transition programming are explored.

SPED 690 Topics

Topical seminar in Special Education; may be repeated when the topic changes.

SPED 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

SPED 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

SPED 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

SPED 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

SPED 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

Speech/Language/Hearing Sciences

SLHS 573 Rehabilitation Audiology

A survey of the principles of rehabilitative intervention for hard-of-hearing persons, children through adults. Special emphasis on role of amplification.

SLHS 590 Topical Seminar in Speech-Languages-Hearing Sciences

An examination of the literature on a related topic of current interest.

Speech Language Pathology

SLP 601 Research Design in Speech-Language Pathology

The study of basic research principles and methods of descriptive, experimental and single-case designs in speech-language pathology and audiology. Emphasis on the development, implementation and evaluation of research. Students will need a statistics course as prerequisite for this course.

SLP 621 Seminar: Cleft Palate and Phonological Disorders

Advanced study of the nature, assessment, and treatment of articulation/phonological disorders, and communication problems associated with cleft palate.

SLP 623 Seminar: Voice Disorders

Advanced study of the nature, assessment and treatment of voice disorders.

SLP 624 Seminar: Stuttering and Related Fluency Disorders

A seminar that includes strategies for the assessment and treatment of adult stuttering and other fluency disorders. Advanced assessment and treatment procedures for childhood stuttering will also be addressed.

SLP 627 Communication in Normal Aging and Dementia

The study of communication and memory in normal aging and individuals with dementia. The focus on the class will be on global deterioration processes, their etiology, pathophysiology, associated communication impairments, and therapeutic approaches.

SLP 630 Adult Neurogenic Language Disorders

Etiology, diagnosis, assessment, and treatment of acquired speech and language impairments in adults. The emphasis will be on the study of aphasia and related disorders.

SLP 631 Pediatric and Adult Motor Speech Disorders

The etiology, diagnosis, assessment procedures and treatment protocols for motor speech disorders found in children and adults including apraxia and dysarthria. Introduction to neurological diseases that cause motor speech disorders in children and adults. Discussion about the assessment and treatment procedures for developmental apraxia; introduction to swallowing disorders related to the above conditions.

SLP 642 Augmentative and Alternative Communication

Advanced assessment procedures for communication and related areas as they apply to implementing augmentative communication. Development of intervention techniques and experience with augmentive communication devices and other assistive technologies.

SLP 646 Clinical Experience

Supervised clinical experience in speech/language pathology or audiology with children or adults on or off-campus. May be repeated.

SLP 647 Diagnostic and Appraisal Procedures

Students will apply principles of evidence-based assessment practice to the use of diagnostic tools. They will select, administer, score and interpret assessment procedures for all individuals including those from culturally or linguistically diverse backgrounds.

SLP 681 Pediatric and Adult Swallowing Disorders

Study of the normal and pathological swallowing process across the lifespan. The review includes the study of neurogenic, structural and psychiatric or behavioral etiologies. Assessment procedures, review of case studies, and current therapeutic and compensatory techniques.

SLP 682 Seminar: Social & Cognitive Correlates of Communication Disorders

Advanced study of the relationships between communication disorders and other primary or secondary diagnoses, such as cognitive (executive) dysfunction, or social/behavioral and psychiatric disorders.

SLP 683 Seminar in Child and Adolescent Language Disorders

Advanced study of the nature, assessment and treatment of language disorders in children and youth. There is a specific emphasis on service delivery models and multicultural issues.

SLP 690 Topics

Topical seminar in Speech Language Pathology; may be repeated when the topic changes.

SLP 695 Portfolio (Plan B)

Culmination portfolio for capstone projects.

SLP 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

SLP 697 Independent Study

Selected readings and/or research for individual students under faculty supervision.

SLP 698 Continuing Registration

Continuing enrollment in graduate studies. This option is to be used for registration after completion of all course requirements, including thesis or capstone project; required during the semester of the oral defense

examination. May not be used to fulfill degree credit requirements or financial aid minimum requirements.

SLP 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee. Maximum 4 credits allowed.

Teaching English as a Second Language

TESL 551 English Structures

An overview of English as a linguistic system with comparison to other languages and a survey of the history of English. Includes phonetics, phonology, morphology, syntax, semantics, pragmatics, sociolinguistics, historical linguistics, language acquisition, and the application of these areas of knowledge to the ESL classroom.

TESL 555 Oral Discourse Structures

In-depth study of how English is structured in oral contexts as well as methods and strategies for teaching oral language. Covers a review of phonetics and phonology including place and manner of articulation of phonemes, stress, intonation, and how articulation alters when sounds are produced within larger units of discourse. Delves into the structure of oral discourse above the sentence, including such features as adjacency pairs, referencing and gapping, and how participants negotiate meaning. Introduces students to techniques used in oral discourse analysis.

TESL 556 Written Discourse Structures

In-depth study of the writing system of English as well as methods and strategies for teaching reading and writing. Covers the alphabet and its relation to the oral language, the teaching of early literacy, developmental literacy, and advanced writing skills. Delves into the structure of written discourse above the sentence, including such features as logical connectors, focusing structures, transitions, and rhetorical devices.

TESL 573 Teaching science and math to ELs

This course will look at state guidelines and designated responsibilities of both ESL teachers and teachers of other subjects in the education of ELs and then present readings, discussions, and assignments that help math and science teachers fulfill their designated responsibilities. Students will learn general difficulties faced by ELs in a core subject classroom and the specific challenges presented in the math and science classrooms as well as ways to help these learners overcome these difficulties.

TESL 590 Special Topics

Study of selected topics related to the teaching of English as a second language. Topics may be drawn from the fields of linguistics, education, or English. The course may be interdisciplinary in nature. Examples of topics include course design for content area instruction of ELLs, discourse analysis, or psycholinguistics. The course may be repeated when the topic varies.

TESL 625 Social, Cultural, and Political Contexts of Language and Literacy

In-depth study of sociolinguistics, cultural identity, language programs, policies, and laws in the United States.

TESL 627 Cultures in the Schools

This course explores particular cultural groups that are prominent in today's local schools. Students will research the language, writing system, educational system, and values of the groups and present their findings to the class. Students will employ qualitative interview techniques to learn the cross-cultural challenges for students and families of the group under research. Students will also arrange for cultural in-group speakers to visit class.

TESL 654 Pedagogical Grammar

In-depth study of English syntax with strategies and techniques for teaching English structures in the classroom.

TESL 670 Designing ESL Courses

Planning and teaching language classes. Topics include making daily lesson plans, developing course curricula, and structuring programs. Also included are strategies and techniques for teaching the four skills and grammar as well as strategies for managing classroom and administrative tasks.

TESL 672 Content-based Language Instruction

An in-depth exploration of teaching methods that combine language learning with the learning of other subject matter. The course will look at common ELL program models and what approach to content and language learning is inherent in each model. Then each suggested approach will be studied closely through readings, discussions, lesson planning, and microteaching assignments.

TESL 675 Assessment in TESL

Theories and strategies for the assessment of second language competence, including formal and informal classroom assessments as well as standardized assessments of English Language Learners.

TESL 690 Topics

Topical seminar in Teaching English as a Second Language; may be repeated when the topic changes.

TESL 696 Project/Action Research (Plan B)

A non-thesis capstone research project.

TESL 697 Independent Study

Selected readings in English language, English literature, English composition, linguistics, or applied linguistics under the direction and supervision of members of the department.

TESL 698 Continuing Registration

Continuing enrollment in graduate studies TESL. This option is to be used for registration after completion of all course requirements or when not otherwise actively enrolled. Students not otherwise enrolled at the time they sit for the oral exam must enroll in TESL 698. This course may not be used to meet any program or graduation requirements.

TESL 699 Thesis (Plan A)

Research and writing of the master's thesis under the supervision of the faculty chair and the thesis committee.

Theatre Arts

THTR 534 Special Projects: Theatre

Opportunity for the advanced student to do individual creative or investigative work in a particular phase of theatre. Graduate level reading and writing component. May be taken more than once if content is substantially different. Offered on demand.

THTR 560 Dramatic Production II

Play production techniques (acting and directing, technical theatre) through the process of staging weekly productions for summer theatre audience. May be repeated by undergraduate. Offered summer only.

THTR 590 Topics in Theatre

This is a graduate level topical course and may be repeated when the topic changes.

THTR 599 Topical Workshop

This course is offered in the workshop format. The course can be repeated when topics vary.

Women's Studies

WS 512 Seminar in Women's Studies

Study of selected problems in Women's Studies through various disciplines including those from the humanities, arts, social sciences and natural sciences. The course employs the objectives of interdisciplinary studies as applied to selected topics. Specific topics will be announced in the class schedule. Students may repeat the course two times when topic varies.