

Metropolitan
State University



Undergraduate Catalog
2014–2015

Metropolitan State University

www.metrostate.edu (Metrostate Website)

651-793-1300

The Metropolitan State Undergraduate Catalog contains information about academic programs and requirements for 2014-2015. It is subject to change without notice.

The catalog is intended to complement other university publications including specific materials supplied by colleges, schools, departments and programs. It is important for students to be familiar with academic policies and graduation requirements for their individual degree programs. Students are strongly encouraged to consult their advisors at least once each semester to be certain they are completing requirements that apply to their degree and major programs.

LOCATIONS**Saint Paul Campus**

700 East Seventh Street
Saint Paul, MN 55106

Minneapolis Campus

1501 Hennepin Avenue
Minneapolis, MN 55403

Midway Center

1450 Energy Park Drive
Saint Paul, MN 55108

Brooklyn Park Center

Law Enforcement and Criminal Justice Education Center
9110 Brooklyn Boulevard
Brooklyn Park, MN 55445

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Catalog information is subject to change without notice. Refer to the website (www.metrostate.edu) for updated information.

The Undergraduate Catalog is available in alternative formats for people with disabilities. For more information, call Disabilities Services at 651-793-1520 (voice); 651-772-7687 (TTY).

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2014-2015 Academic Calendar

Summer Session 2014

May	10	Summer 2014 session begins
May	24-26	Memorial Day holiday/no classes/buildings closed
June	23	First summer session 2014 courses end
July	4-6	Independence Day Holiday/no classes/buildings closed
July	7	Second summer session 2014 courses begin
Aug.	16	Last day for any summer session 2014 course
Aug.	16	Summer graduation date (Commencement ceremony is in December)

Fall Semester 2014

Aug.	18	Faculty begin fall semester 2014 duty days
Aug.	23	Fall 2014 semester begins
Aug.	30-Sept. 01	Labor Day holiday/no classes/buildings closed
Nov.	26	Thanksgiving holiday/no evening classes
Nov.	27-30	Thanksgiving holiday/no classes/buildings closed
Dec.	13	Fall 2014 semester ends
Dec.	16	Fall 2014 Commencement
Dec.	16	Last fall semester 2014 faculty duty day
Dec.	24-26	Winter holiday/buildings closed

Spring Semester 2015

Jan.	1	New Year's holiday/buildings closed
Jan.	5	Faculty begin spring semester 2015 duty days
Jan.	12	Spring 2015 semester begins
Jan.	19	Martin Luther King, Jr. holiday/no classes/buildings closed
Feb.		No Precinct Caucus this year
Mar.	8-14	Spring Break/no classes/offices open
May	4	Spring semester ends
May	8	Spring 2015 Commencement
May	8	Last spring semester 2015 faculty duty day

Goals

Curriculum

Metropolitan State University will provide undergraduate programs and student services that:

- reflect a commitment to career and life success based on a strong liberal arts foundation;
- educate individuals to be informed and effective citizens;
- integrate theoretical and practical learning as well as technical competence;
- foster collaborations with programs offered by other colleges and universities in the metropolitan area; and
- represent the university's commitment to diversity.

The university will also provide master's level professional and applied doctoral programs designed to meet local, national and global needs into the twenty-first century. The university is committed to supporting creative and innovative curricula that enhance the learning process.

Teaching

Metropolitan State University is dedicated to excellence in teaching and advising. The pedagogical base for Metropolitan State faculty includes commitment to:

- providing a variety of learning modes;
- offering an individualized, student-centered approach to teaching and learning;
- teaching and advising that foster student learning and development in preparation for careers and service to their communities;
- encouraging active lifelong inquiry and learning; and
- incorporating multicultural perspectives in teaching and advising; and
- bridging theory and practice.

Scholarship

Metropolitan State University is committed to a variety of forms of scholarship that:

- enrich teaching and learning;
- increase understanding of student life and development;
- meet the highest standards of the academic community; and
- contribute to the advancement of knowledge.

Service

Metropolitan State University is committed to the enrichment of life in the communities it serves through:

- developing creative partnerships with public and private organizations;
- providing a variety of resources and services by engaging faculty, students and staff in community-based activities; and
- improving the effectiveness of the educational system by working closely with elementary and secondary schools in the metropolitan area.

Minnesota Manifesto

Metropolitan State University was a leader in organizing Minnesota public and private colleges to adopt the following manifesto.

Minnesota's colleges and universities have accepted special roles and responsibilities in fostering diversity in our society. We are dedicated to the search for knowledge and the rights of every individual in our learning communities to pursue that search with freedom, dignity and security, regardless of religious affiliation, race, ethnic heritage, gender, age, sexual orientation or physical ability.

Representing all sectors of higher education in Minnesota, we publicly declare our intentions:

- to continue the development of multicultural learning communities that will not tolerate acts of harassment and intolerance;
- to establish, communicate and enforce standards of behavior for students, staff and faculty that uphold our academic values and our legal obligations; and
- to promote the acceptance and respect for individuals in an atmosphere of caring for others.

Learning Outcomes

Metropolitan State University faculty identify specific learning outcomes for their instruction. These outcomes provide the basis for continuing improvement of teaching and learning and for assessing student academic achievement required by The Higher Learning Commission. The common learning outcomes for general education are:

- **Communication:** the ability to use the English language effectively; the ability to read, write, speak and listen critically; and the ability to communicate effectively through visual means.
- **Critical Thinking:** the ability to unify factual, creative, rational, and value-sensitive modes of thought.
- **Natural Sciences:** an understanding of natural science principles and of the methods of scientific inquiry, i.e., the ways in which scientists investigate natural science phenomena.
- **Mathematics/Logical Reasoning:** knowledge of and ability to apply mathematical and logical modes of thinking.
- **History and the Social and Behavioral Sciences:** knowledge of how historians and social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas.
- **The Humanities and Fine Arts:** knowledge of the human condition and human cultures, especially in relation to behavior, ideas, and values expressed in works of human imagination and thought.
- **Human Diversity:** an understanding of individual and group differences (e.g. race, gender, class) and knowledge of the traditions and values of various groups in the United States.
- **Global Perspective:** an understanding of the growing interdependence of nations and peoples and the ability to apply a comparative perspective to cross-cultural social, economic and political experiences.
- **Ethical and Civic Responsibility:** the capacity to identify, discuss, and reflect upon the ethical dimensions of political, social, and personal life and to understand the ways to exercise responsible and productive citizenship.
- **People and the Environment:** an understanding of complex environmental challenges and the interrelatedness of human society and the natural environment.
- **Further in-depth knowledge** of a specific discipline or subject area, or interdisciplinary knowledge is an expected learning outcome from study in the major.

Educational Tenets

Education at Metropolitan State University embodies a unique educational philosophy based on the following five tenets:

Tenet I: The University grants individual students responsibility for and authority over their education within the context of the five tenets. The university charges its faculty and officers for responsibility and authority over teaching, for maintaining a pluralistic environment in which students are central, and for determining whether students have given evidence they have achieved their educational objectives.

Tenet II: The university expects its graduates will demonstrate the attributes of an educated person in the context of multiculturalism and these five areas of competence: communication; community and cultures; arts and sciences; vocation; and avocation. The university will review the development of students' degree plans in light of these competence areas and other requirements. The university urges students to develop degree programs that reflect a thorough analysis and expanded understanding of the question: What is an educated person? Students may address these five areas by meeting general education/liberal studies requirements.

Tenet III: The University recognizes a student's educational progress toward a degree in terms of competence achieved and encourages the use of a variety of learning strategies.

Tenet IV: The University and its students will use community resources to achieve educational goals and, in turn, will serve as resources to diverse communities.

Tenet V: The University ensures that its students will be engaged in self-directed learning and thereby expects that its graduates will be lifelong learners.

Colleges, Schools and Departments

Metropolitan State University received the **National Hesburgh Award for Teaching Excellence**. The University's full- and part-time instructors are distinguished professionals in their fields, and students receive a quality education that is in touch with the real world.

College of Arts and Sciences

Offers a variety of options in communications, writing and the arts, ethnic and religious studies, gender studies, history, information and computer sciences, literature and language, mathematics, natural sciences, practical philosophy, ethics and social science.

College of Management

Offers a variety of options in accounting, finance, economics, management, management information systems, decision sciences, marketing, international business and graduate programs.

College of Individualized Studies

Offers students the opportunity to develop an individualized course of study towards the Bachelor of Arts using a variety of learning strategies, including traditional classes. With guidance from the College of Individualized Studies, faculty, advisors, and students engage in deep reflection upon the meaning of their education, and assume responsibility for and authority over the direction of their studies.

College of Health, Community and Professional Studies

Offers programs in human services, psychology, dental hygiene and social work and houses the School of Nursing.

School of Nursing

Offers a variety of degree programs and learning opportunities through the Departments of Dental Hygiene, Human Services, Psychology, Social Work, and the School of Nursing.

School of Law Enforcement and Criminal Justice

Offers a variety of undergraduate and certificate programs in law enforcement and criminal justice, as well as a Master of Science in Criminal Justice.

School of Urban Education

Offers a variety of options for licensure areas in the Urban Education Program: Urban Early Childhood Education, Urban Elementary Education Urban and Secondary Education. Gain a teaching license to teach urban students in grades 5-12 in these subjects: Communication Arts and Literature, Life Sciences, Mathematics, and Social Studies.

Academic Policies and Procedures

Metropolitan State University education is distinctive, incorporating each student's goals, initiatives, background and personality, and recognizing that individuals acquire knowledge in different ways and for diverse reasons. Metropolitan State's educational programs are based on the following assumptions:

- students have individual learning styles and goals;
- the results of learning are more important than the methods;
- higher education should build on the array of learning resources available to students in the Twin Cities greater metropolitan area;
- in addition to special focus in the major, the bachelor's degree implies the ability to speak and write well, basic computer and mathematics literacy, and knowledge of several disciplines in the natural and physical sciences, the humanities, and the social and behavioral sciences, as well as global and cultural awareness; and
- learning is a lifelong, self-directed process.

University policies and procedures are posted on the university's Web site. Student policies can be found in the Student Handbook.

Course Prerequisites

Students are responsible to both be aware of and abide by prerequisites for the courses for which they enroll, and may be administratively dropped from a course if they have not met prerequisites.

Undergraduate Academic Standing Policy

The university has established standards for maintaining good academic standing. The goals of the Academic Standing Policy are to:

- Define and maintain the academic standards of the university;
- Intervene with students who do not meet university requirements in order to support retention of students who encounter difficulties;
- Provide standards consistent with MnSCU policy and Financial Aid Satisfactory Academic Progress requirements.

Metropolitan State expects students to successfully complete courses. Therefore, undergraduate student academic standing is reviewed after each semester. To remain in good academic standing at Metropolitan State University, students must meet two criteria: maintain a cumulative Metropolitan State GPA of at least 2.0; and successfully complete at least 67% of the cumulative Metropolitan State University credits attempted, including credits accepted in transfer. Students who do not meet these standards will be put on **Academic Warning**. A student who continues to fall below standards after their next term of registration will be **suspended** for academic reasons. Students on Academic Warning must complete an Academic Success Workshop and then must meet with their academic advisor each semester for approval to register for the next semester. Notice of unsatisfactory progress will also be sent to the student's advisor, and if the student is an international student, to the International Student Advisor. If you have questions about your academic standing, contact your academic advisor. Refer to Policy 2050 and Procedure 205 Undergraduate Academic Standing Review for further information.

Students receiving financial aid must also meet additional criteria to remain eligible to receive aid and should contact the Gateway Student Service Center for current information about satisfactory academic progress. International students must also meet all of the conditions of their visa and enrollment requirements and should contact Metropolitan State University's International Student Advisor for more information.

Academic Appeal Procedure

The university has written procedures for appealing decisions concerning grades and program and graduation requirements. A staff member in Student Affairs serves as ombudsperson to work with students in preparing formal appeals. Renee Beaulieu-Banks, the ombudsperson can be reached at 651-793-1560 or renee.beaulieubanks@metrostate.edu. Refer to Procedure 202, Academic Appeal Procedure for complete information.

Grade Appeals

Decisions supported by published policies or clearly stated expectations of instructors cannot be appealed. An instructor's evaluation is not changed as a result of the appeals process unless there is clear and convincing evidence that the evaluation was arbitrary and/or capricious and was unfair to the student. After an instructor

submits a grade, changes in grades must be authorized by a dean or the provost. To begin the formal appeal process, students must submit an appeal in writing to the appropriate person within a specified time. Contact the university ombudsperson as noted above for additional information and assistance.

Program Requirement Appeals

Students must meet the requirements for a degree as listed in the Metropolitan State University online *Catalog* or other official program materials in place at the time of admission to the degree. Program requirements supported by published policies that are effective at the time a student declares a program of study/major cannot be appealed. A student who has not received a grade in any credit-bearing course or other learning opportunity for nine consecutive semesters must reapply for admission to the university and must complete the degree and program requirements that are in place when the student is readmitted to the university.

Transfer Credit Appeals

Students have the right to appeal transfer credit evaluation decisions. Students are asked to provide additional information about the course(s) being appealed. The Transfer Credit Appeal form and procedures are available from the [Transfer Student webpage](#). Students dissatisfied with the appeal results may appeal the decision to the MnSCU Academic Affairs Office. The process is described in Subpart B. System Level Appeal in Part 7. Student Appeal of Procedure 3.21.1 Undergraduate Course Credit Transfer.

Grading Policy

Metropolitan State University's grading policy offers students two grading options: traditional grades of "A/B/C/D/F" or competence(S)/no competence (NC). Students choose their grading option when they register for a class, and must make any changes through the registration system by the second class session of the course or before the first major assessment for other learning opportunities. Students who do not choose the S/NC option at the time of registration are automatically registered for the A/B/C/D/F grading system. After that time, students cannot change either from a graded to an ungraded option or vice versa. Note that courses with a grade of D or F cannot be used as prerequisites or to meet major requirements. Refer to Policy 2080, [Grading Policy](#) for complete information.

Graduation with Honors for Undergraduate Students

The honors designations and the cumulative GPA required to achieve them are:

- Summa Cum Laude—3.900 or higher
- Magna Cum Laude—3.800 to 3.899
- Cum Laude—3.700 to 3.799

View [University Procedure #252](#) – Graduation with Honors for Undergraduate Students for more information.

Students with grade point averages in the top ten percent of their school or college are recognized in the commencement program as honors graduates. The actual grade point average will vary by college and school. Students who meet the ten percent threshold will be notified in writing prior to commencement.

Student Conduct Code

Each student at Metropolitan State University has the right to an education, and it is the university's responsibility to provide an environment that promotes learning and protects the safety and well-being of the university community. Any action by a student that interferes with the education of any other student or interferes with the operations of the university in carrying out its responsibility to provide an education is considered a violation of the Student Conduct Code. Disciplinary actions are handled in an expeditious manner and reflect due process. Refer to Policy 1020, [Student Conduct Code](#) for further information.

Graduation Requirements

Students are eligible to apply for graduation when they are registered for the final requirements for their degree programs. To earn a degree from Metropolitan State University, students must complete a minimum of 120 semester credits with a cumulative Metropolitan State grade point average of at least 2.0. The exact credit requirements vary according to major or program. At least 40 semester credits must be completed at an upper-division level (300 or above) and at least 30 semester credits must be awarded by Metropolitan State. In addition, credits completed must be distributed to meet the applicable major and program requirements, as well as General Education and Liberal Studies (GELS) requirements.

GELS requirements consist of at least 48 credits including a minimum of 8 upper division credits approved as Upper Division Liberal Studies courses. A student who has completed an Associate of Arts degree at a Minnesota Colleges and Universities institution, or has completed the Minnesota Transfer Curriculum, will be considered to have satisfied Goal Areas One through Ten. However, completion of an Associate of Arts degree does not satisfy the Upper Division Liberal Studies requirement. See university [Policy 2010](#), General Education/Liberal Studies/Goal Areas, as well as university Transfer Credit [Policy 2120](#) and Transfer Credit [Procedure 212](#) for more information.

Major/Program Declaration

When students choose the major, minor or program that they wish to pursue, or decide to develop an individualized program, they must complete and submit an [Undergraduate Program Declaration form](#) for the college housing the program. All students are expected to file an undergraduate program declaration form after they have completed 45 credits and met the admission requirements for the major they plan to complete. Students must be admitted to a major program with an approved Undergraduate Program Declaration form before completing 80 credits or within a year of transferring to Metropolitan State, whichever comes later.

If the declaration form is not filed on time, students may not be allowed to register until a declaration form has been submitted and approved. Advisors in the colleges and schools review the student's status and sign the declaration form if the student has completed all the requirements for admission to the program and required steps. The signed declaration form becomes a part of each student's record and documents the approved program of study. If the requirements for a major change after a student's major declaration is approved, the student has the right to adopt the new requirements or to complete the approved major program. Students who decide to change majors, minors or programs must complete a new Undergraduate Program Declaration form and submit it to the appropriate department or program. Students who are admitted to the university after an absence of nine semesters or more must submit a new Undergraduate Program Declaration form and must fulfill the major or other program requirements in place at the time of program declaration and approval.

[Policy 2020](#) provides more detailed information about program declaration, degree and residency requirements.

Major/Program Requirements

Program requirements are described in the college and school sections of the catalog and in departmental program materials. Each college and school offers workshops to explain the requirements for their programs. The College of Individualized Studies offers workshops to assist students in developing interdisciplinary, individualized degree programs. Completing a minor program is optional. Students may earn more than one major by officially declaring each major and completing all of the requirements for each major. All majors and minors must be completed at the time of graduation. Students who wish to complete an additional major after completion of a bachelor's degree must earn a second degree, and must complete at least 30 credits at Metropolitan State after completion of the first degree.

Transfer Agreements

Although all students can use community and technical college course work toward a Metropolitan State undergraduate degree, Metropolitan State University also has formal written transfer/articulation agreements with metropolitan area community and technical colleges. These agreements outline how students completing specified degrees at these colleges will be able to apply their course work toward a baccalaureate degree at Metropolitan State University.

The list of current agreements with state and private institutions can be found on the [Minnesota Transfer Web site](#). The listing includes a link to the agreements.

University Information

Accredited by [The Higher Learning Commission](#) and a member of the [North Central Association](#), 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504, 312-263-0456; and accredited by the [Commission on College Nursing Education](#) and the [Council on Social Work Education](#).

- [Academic Calendar](#)
- [Admissions Information](#)
- [Directory](#)
- [Financial Aid](#)
- [Learning Strategies](#)
- [Student Handbook](#)
- [Tuition and Fees](#)

ACADEMIC PROGRAMS

Accounting Major BS

Knowledge of accounting concepts and the framework of accounting for economic activity has long been a necessary part of the educational preparation for careers in business. Accounting data is a fundamental information source for decision-making and control purposes in both profit-seeking and nonprofit organizations. The growing complexity and globalization of business, as well as the need for more effective and efficient approaches to business problem solving, increases in the demand for accounting knowledge.

Metropolitan State offers a comprehensive accounting curriculum that focuses on core accounting disciplines intended to develop a common body of accounting knowledge.

The accounting curriculum includes the following objectives:

- a conceptual approach that is decision oriented and emphasizes analytical and problem-solving skills;
- an integrated approach to accounting principles, valuation and control;
- an integration of interpersonal skills, communication skills and ethics across the accounting curriculum; and
- the utilization of a variety of teaching methods and tools.

The accounting major prepares individuals for professional careers in public accounting, managerial accounting, taxation, accounting systems, and private and public sector financial management through a rigorous program of study. Accounting is an excellent academic base for career development in both accounting and management roles.

Upon completion of the accounting major, a graduate meets the academic qualifications to take the examination for Certified Management Accountant (CMA) and Certified Internal Auditor (CIA). Completion of the accounting degree will contribute a minimum of 120 credits to the required 150 necessary for the Certified Public Accountant (CPA) certification.

Acceptance to the Program

To be eligible for acceptance to the Accounting major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The accounting program contains six parts:

1. **General Education and Liberal Studies**

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. **COM Foundation Courses (22 credits)**

- MIS 100 Fundamentals of Information Technology in Organizations
- MATH 115 College Algebra
- STAT 201 Statistics I
- ECON 201 Macroeconomics
- ECON 202 Microeconomics
- ACCT 210 Financial Accounting

3. **Business Core Courses (24 credits)**

- MKTG 300 Marketing Principles
- MGMT 310 Management Principles and Practices
- MIS 310 Principles of Management Information Systems
- FIN 390 Principles of Finance
- DSCI 434 Introduction to Operations Management
- MGMT 499 Case Studies in Strategic Management

4. **Accounting Required Courses (28 credits)**

- ACCT 310 Financial Reporting
- ACCT 320 Strategic Management Accounting
- ACCT 340 Accounting Information Systems
- ACCT 510 Advanced Financial Reporting
- ACCT 512 Auditing
- ACCT 520 Advanced Strategic Management Accounting
- ACCT 530 Business Taxation

5. **Non-course Requirement**

Accounting mechanics (bookkeeping) competence must be completed prior to registration in Financial Reporting.

6. **Accounting Electives**

Accounting majors do not need to take elective courses; however, students preparing to take the professional examination in public accounting (CPA) may consider taking the following course as an elective:

- BLAW 310 Business Law: UCC and Contracts

Students preparing to take the professional examinations in management accounting (CMA) should plan to take the following courses:

- o ACCT 515 Financial Statement Analysis

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- the course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Advertising Minor

The advertising minor is designed to educate students about the major activities involved in the planning, design, integration and implementation of marketing communications programs. Courses include understanding consumer behavior, advertising and campaign planning, graphics design and copywriting and designing and writing on the Web. Familiarity with these activities helps to prepare students for careers in advertising agencies,

marketing positions in private, nonprofit, and government organizations, as well as careers in public relations firms.

This minor cannot be combined with the Marketing major.

Requirements

The advertising minor consists of the following five courses:

- [MKTG 300 Marketing Principles*](#)
- [MKTG 310 Consumer and Professional Buyer Behavior](#)
- [MKTG 343 Integrated Marketing Communications](#)
- [MKTG 348 Advertising Design, Production and Copywriting](#)
An approved internship may be substituted for this course.
- [WRIT 373 Writing and Designing for the Web I](#)

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

Alcohol and Drug Counseling Major BS

Everyday countless lives are enriched or saved because of the work carried out by alcohol and drug counselors. Competent, well-trained counselors form professional relationships and carry out strategies which help people and their families move from life-threatening addiction to life-affirming recovery.

The Bachelor of Science (BS) Alcohol and Drug Counseling major is for students who have a variety of needs and interests related to substance abuse problems. It is designed to help students wanting to qualify for licensure, community college transfer students, people who are already licensed and want to complete their undergraduate degree, and for other professionals (social workers, psychologists, school counselors, nurses, law enforcement personnel and others) who want to learn more about effective responses to substance abuse problems.

This major is 60 credits, which includes 12 core courses (48 credits), an 880-hour practicum sequence (9 credits), and 3 elective credits.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Studies [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting the declaration form.

Alcohol and Drug Counseling Requirements

Courses are listed in suggested sequence order

- [HSCD 300 Chemical Dependency Concepts](#)

- [HSCD 200 Pharmacology of Drug Abuse](#)
- [HSER 355 Introduction to Human Services: History and Trends](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSCD 353 Case Management for Alcohol and Drug Counseling](#)
- [HSER 395 Human Services and Diversity](#)
- [HSCD 303 Cultural Aspects of Chemical Dependency](#)
- [HSER 348 Group Counseling](#)
- [HSCD 309 Co-Occurring Disorders: Substance Abuse and Mental Health](#)
- [HSCD 302 Chemical Dependency Assessment and Diagnosis](#)
- [HSCD 400 Best Practices in Alcohol and Drug Counseling](#)
- [HSCD 450 Senior Seminar: Alcohol and Drug Counseling](#)

Practicum Courses

- [HSCD 320 Alcohol and Drug Counseling Pre-Practicum Seminar](#)
- [HSCD 380 Alcohol and Drug Counseling Group Practicum I](#)
- [HSCD 390 Alcohol and Drug Counseling Group Practicum II](#)

Post-Baccalaureate Alcohol and Drug Counseling Licensure Program

This track is for students who already have a Bachelor's or Master's degree and who are seeking to meet licensure requirements. This track requires the following core courses and practicum. Equivalent courses taken at other colleges or universities may apply.

Core Courses

Courses are listed in suggested sequence order

- [HSCD 300 Chemical Dependency Concepts](#)
- [HSCD 200 Pharmacology of Drug Abuse](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSCD 353 Case Management for Alcohol and Drug Counseling](#)
- [HSCD 303 Cultural Aspects of Chemical Dependency](#)
- [HSER 348 Group Counseling](#)
- [HSCD 309 Dual Disorders: Substance Abuse and Mental Health](#)
- [HSCD 302 Chemical Dependency Assessment & Diagnosis](#)

Practicum Courses

- [HSCD 320 Alcohol and Drug Counseling Pre-Practicum Seminar](#)
- [HSCD 380 Alcohol and Drug Counseling Practicum I](#)
- [HSCD 390 Alcohol and Drug Counseling Practicum II](#)

Required Elective (at least 3 credits): Take one from this approved list

- [HSCD 301 Chemical Dependency and the Family](#)
- [HSCD 304 Chemical Dependency and Native Americans](#)
- [HSCD 306 Prevention of Substance Abuse](#)

- [HSCD 308 Adolescent Chemical Dependency](#)
- [HSer 344 Counseling Theories and Techniques](#)
- [HSer 350 Issues in Adolescent Counseling](#)
- [HSer 352 Family Counseling](#)
- [HSer 353 Social Casework Methods](#)
- [HSer 354 Ethical Issues in Human Services](#)
- [HSer 358 Cross-cultural Counseling](#)
- [PSYC 343 Drugs and Behavior: An Introduction to Behavioral Pharmacology](#)

Students may take additional courses as electives according to their interests and to further enhance their competency.

Anthropology Minor

A minor in anthropology is particularly appropriate for students in professional programs such as psychology, law enforcement, criminal justice, human services, social work and international business. Such a minor is also an excellent complement for liberal arts students who are majoring in history, gender studies, professional communication, ethnic studies or philosophy.

Requirements (19-20 total credits)

Social science majors may not minor in anthropology, political science or sociology.

At least half of the credits required for the minor must be completed at Metropolitan State University. Students must earn a grade of C- or above in all minor courses.

Transfer courses may be applicable to minor requirements. The university's degree audit will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by the chair of the Social Science Department.

Introductory (3-4 credits)

- [ANTH 101 Human Origins](#)

Survey (4 credits, select one)

- [ANTH 301 Approaches to Cultural Anthropology](#) or
- [ANTH 302 Gender and Culture](#)

Upper-division Electives in Anthropology (12 credits)

Select 300-level courses in anthropology. Students may also take the following courses as upper-division electives for the anthropology minor:

- [SSCI 300 Seeing Like a Social Scientist](#)
- [SSCI 311 Research Methods in Social Science](#)
- [SSCI 401 Social Science Seminar: Contending Perspectives](#)
- [SSCI 501 Great Ideas: Classics of Social Science](#)

Applied Mathematics Major BS

Given the impact of technology on every aspect of people's lives, mathematics is a critical discipline for the present as well as future generations of students. Technology is based on science, and the most successful science is based on mathematical ideas. In learning mathematics and its applications, students learn not only the language of nature, but the archetype of reasoning on which today's scientific and technological society is based.

The Mathematics Department offers a solid, flexible and innovative program in applied mathematics. Through the opening of bridges to other disciplines and a focus on topics and problems cutting across various subject fields, the mathematics major integrates both depth and breadth, providing the student with tools for success in the workforce and a solid basis for further studies in mathematics.

Acceptance to the Program

To be eligible for acceptance to the Applied Mathematics major, students must pass and have a cumulative GPA of 2.5 in MATH 210, MATH 211, and STAT 201. Students must submit a [College of Arts and Sciences Undergraduate Program Declaration Form](#) for Applied Mathematics Major. Consult with an advisor before enrolling in courses toward the major.

Prerequisites

- [MATH 210 Calculus I](#)
- [MATH 211 Calculus II](#)
- [STAT 201 Statistics I](#)

Requirements (48 total credits)

Foundation Courses (20 credits)

- [ICS 140 Programming Fundamentals](#)
- [PHYS 211 Calculus Based Physics I](#)
- [MATH 301 Introduction to Analysis](#)
- [MATH 310 Calculus III: Multivariable Calculus](#)
- [MATH 320 Probability](#)

Core Courses (24 credits)

- [MATH 315 Linear Algebra and Applications](#)
- [MATH 340 Mathematical Modeling](#)
- [MATH 350 Ordinary Differential Equations](#)
- [MATH 450 Operations Research](#)
- [MATH 471 Abstract Algebra](#)
- [MATH 499 Mathematics Senior Seminar](#)

Electives (4 credits)

- [MATH 375 Complex Variables](#)
- [MATH 405 Partial Differential Equations](#)
- [MATH 420 Numerical Analysis](#)
- [STAT 301 Analysis of Variance](#)
- [STAT 311 Regression Analysis](#)

Or other upper division mathematics course with consent of advisor

Applied Mathematics Minor

Prerequisites

- [STAT 201 Statistics I](#)
- [MATH 120 Pre-calculus](#)

Requirements (20 total credits)**Core Courses (12 credits)**

- [MATH 210 Calculus I](#)
- [MATH 211 Calculus II](#)
- [MATH 310 Calculus III: Multivariable Calculus](#)

Electives (8 credits)

- [MATH 215 Discrete Mathematics](#)
- [MATH 320 Probability](#)
- [MATH 301 Introduction to Analysis](#)
- [MATH 315 Linear Algebra and Applications](#)
- [MATH 340 Mathematical Modeling](#)
- [MATH 350 Ordinary Differential Equations](#)

- [MATH 370 Modern Geometry](#)
- [MATH 375 Complex Variables](#)
- [MATH 405 Partial Differential Equations](#)
- [MATH 420 Numerical Analysis](#)
- [MATH 450 Operations Research](#)
- [MATH 471 Abstract Algebra](#)
- [STAT 301 Analysis of Variance](#)
- [STAT 311 Regression Analysis](#)

Applied Statistics Minor

Since our world is becoming more quantitative and data-focused, job opportunities in statistics are plentiful and projected to increase worldwide. The applied statistics minor will provide students with knowledge and skills needed for a future career involving data evaluation and data analysis. The applied statistics minor offers students a program of study in core areas of statistics with an emphasis on applications. This minor is designed to complement other majors where additional statistical knowledge is beneficial. Graduates will be able to apply statistical methods to design of experiments, data management, and data analysis.

Requirements (21-23 total credits)

Core Courses (14-16 credits)

- [STAT 201 Statistics I](#)
- [STAT 251 Statistics Programming I](#) (exempt if students have statistics programming background)
- [STAT 252 Statistics Programming II](#)
- [STAT 301 Analysis of Variance](#)
- [STAT 311 Regression Analysis](#)

Electives (Choose two from the following to equal at least 7 credits)

- [STAT 321 Biostatistics](#)
- [STAT 331 Nonparametric Statistical Methods](#)
- [STAT 341 Analysis of Categorical Data](#)
- [MATH 320 Probability](#)
- Up to 4 credits from similar upper division statistics courses with approval by the Mathematics Department

At least a C- is required for all of the courses.

Among all of the credits, at least 13 credits have to be taken from Metropolitan State University.

Aviation Management Focus - Individualized Studies BA

This individualized studies bachelor's degree with a focus in Aviation Management is offered by a consortium of four state universities: Metropolitan State University, Minnesota State University-Mankato (MSU), Saint Cloud State University (SCSU) and Winona State University (WSU). Students complete the Minnesota Transfer Curriculum and Metropolitan State Liberal Studies requirements, and all aviation core and elective courses from the four consortium schools. Students may receive up to 20 elective credits for their Federal Aviation Administration (FAA) pilot, flight instructor, air traffic controller, dispatcher, and airframe and power plant mechanic certificates if these certificates were not earned through a post-secondary program. Up to 40 technical credits may be awarded in transfer to graduates of two-year technical college programs.

Aviation classes, offered in various Twin Cities locations, are open to students enrolled in the Aviation Management program, as well as to other students who have a substantial aviation background. Additional information is available from the Metropolitan State Admissions Office or the College of Individualized Studies Advising Center.

Acceptance to the Program

To be eligible for acceptance to the Individualized Studies major with an Aviation Management focus, students must submit a College of Individualized Studies [Undergraduate Program Declaration Form](#). This form is normally submitted while taking PRSP 301, Perspectives: Educational Philosophy and Planning, but can be done prior to taking the course.

Students are classified as Pre-Individualized Studies majors until they complete PRSP 301 and develop an approved degree plan.

Requirements

In addition to meeting Metropolitan State's [GELS and graduation requirements](#), aviation students must complete the following program requirements:

Core Courses

- [PRSP 301 Perspectives: Educational Philosophy and Planning](#)
- AVIT 103 Introduction to Air Transportation (SCSU)
- AVIT 317 Ethics in Aviation (SCSU)
- PHYS 388 Aviation Law/Legislative and Legal Aspects of Aviation (WSU)
- PHYS 380 Aviation Resource Management (WSU)
- [MGMT 310 Management Principles and Practices](#)
- AVIT 419 Contemporary Issues Aviation Capstone (SCSU) or
- [PRSP 499 Capstone](#)

Electives

- [ICS 120 Microcomputer Applications](#)
- [ICS 125 Understanding and Using the Internet](#)
- [BLAW 310 Business Law: UCC and Contracts](#)
- AVIA 442 Fundamentals of Air Traffic Control (MSU)
- AVIA 443 Airline Dispatch (MSU)
- AVIA 343 Airport Management (MSU)
- AVIA 333 Airline Management/Operations (MSU)
- [HRM 310 Human Resource Management: A Strategic Framework](#)
- AVIA 499 Individual Study in Aviation (MSU)
- PHYS 380 Seminar Topics in Aviation Organization (WSU)
- AVIT 496 Seminar Topics (SCSU)

Biology Major BA

Biology is the study of life, from the simplest cells to the most complex ecosystems. When you study biology you develop an understanding of your own life and an appreciation for your connection to the natural world.

The biology major provides students with scientific knowledge, laboratory skills, research experience and intellectual training in analytical and quantitative reasoning.

A biology degree helps open the door to a wide range of fields including health care, food science, public health, biotechnology, conservation and natural resource management. Many biology graduates continue on to professional and graduate programs in health care, research and education.

The Bachelor of Arts in Biology offers students a comprehensive introduction to the biological sciences followed by advanced study in at least one area of individual interest. The program emphasizes the development of transferable liberal arts skills and includes the flexibility for students to pursue their own academic interests as part of their degree program. Students earning the Bachelor of Arts in Biology are encouraged to include a minor or second language in their program of study.

In addition to the overall University graduation requirements, the biology major BA requires each student to complete 53 credits in the major including at least 25 upper division credits, at least 25 credits from Metropolitan State University, and at least one 400-level course as a capstone experience. Students must also complete the biology program exit interview and assessment test during their final semester of classes before graduation.

All prerequisite and required courses must be completed with grades of C- or above. Transfer coursework equivalency is determined by the Natural Sciences Department. Each foundation science course must include at least one semester credit of professionally supervised on-ground laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses cannot be used to fulfill core or elective requirements in the major.

Acceptance to the Program

To be eligible for acceptance to the Biology BA major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- Prerequisite courses (see below)
- Foundation courses (see below)

After submission of the [Undergraduate Program Declaration Form](#), students must then complete the Biology Program Assessment Survey.

Prerequisites

- [MATH 115 College Algebra](#) or
- [MATH 120 Pre-calculus](#)

Requirements (53 total credits)

Foundation Courses (28 credits)

- [BIOL 111 General Biology I](#)
- [BIOL 112 General Biology II](#)
- [CHEM 111 General Chemistry I](#)
- [CHEM 112 General Chemistry II](#)
- [MATH 208 Applied Calculus](#) or [MATH 210 Calculus I](#)
- [STAT 201 Statistics I](#)
- [PHYS 110 Introduction to Physics](#) or
- [PHYS 111 General Physics I - Algebra Based](#) or
- [PHYS 211 Calculus-based Physics I](#)

Core Courses (15 credits)

One upper division course with lab in each of the three core categories:

Cell and Molecular Biology

- [BIOL 301 Genetics](#) or
- [BIOL 302 Cell Biology and Histology](#) or
- [BIOL 304 Molecular Biology](#) or
- [CHEM 301 Biochemistry](#)

Ecology and Evolution

- [BIOL 310 Ecology](#) or
- [BIOL 312 Evolution](#) or
- [BIOL 316 Behavioral Ecology](#) or
- [ESCI 315 Limnology](#) (formerly BIOL 315 Limnology)

Physiology and Organismal Biology

- [BIOL 311 Plant Physiology](#) or
- [BIOL 321 Comparative Vertebrate Anatomy](#) or
- [BIOL 322 Comparative Animal Physiology](#) or
- [BIOL 324 Invertebrate Biology](#) or
- [BIOL 330 Biology of Microorganisms](#)

Capstone and Elective Courses (10 credits)

An additional 10 credits of upper-division biology courses chosen from the list of core courses above, the list of elective courses below, and other approved 300- or 400-level biology courses (see advisor for details). Up to 5 credits of BIOL350/360 may be counted as elective credit in the Biology major, subject to advisor approval. Each student must take at least one 400-level course as their capstone course.

- [BIOL 318 Spatial Ecology](#)
- [BIOL 320 Ecosystem and Global Ecology](#)
- [BIOL 406 Biology of Cancer](#)
- [BIOL 415 Pollution Ecology](#)
- [BIOL 418 GIS for Natural Sciences](#)
- [BIOL 469 Seminars in Biology](#)
- [BIOL 471 Science Journal Discussion](#)
- [BIOL 479 Advanced Topics in Biology](#)
- [BIOL 489 Senior Research in Biology](#)
- [BIOL 350/360 Biol Internship](#)

Biology Major BS

Biology is the study of life, from the simplest cells to the most complex ecosystems. When you study biology you develop an understanding of your own life and an appreciation for your connection to the natural world.

A biology degree helps open the door to a broad range of fields including health care, food science, public health, biotechnology, conservation and natural resource management. Many biology graduates continue on to professional and graduate programs in health care, research and education.

The biology major provides students with scientific knowledge, laboratory skills, research experience and intellectual training in analytical and quantitative reasoning.

The Bachelor of Science in Biology offers students a comprehensive introduction to the biological sciences with a strong foundation in mathematics and the physical sciences, followed by advanced study in at least one area of student interest. Students earning the Bachelor of Science in Biology are encouraged to include a minor in chemistry, physics or mathematics as part of their program of study.

In addition to the overall University graduation requirements, the biology major BS requires each student to complete 64 credits in the major, including at least 25 upper division Biology credits, at least 25 credits from Metropolitan State University, and at least one 400-level course as a capstone experience. Students must also complete the biology program exit interview and assessment test during their final semester of classes before graduation.

All prerequisite and required courses must be completed with grades of C- or above. Transfer coursework equivalency is determined by the Natural Sciences Department. Each foundation science course must include at least one credit of professionally supervised laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses cannot be used to fulfill core or elective requirements of the major.

Acceptance to the Program

To be eligible for acceptance to the Biology BS major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- Prerequisite courses (see below)
- Foundation courses (see below)

After submission of the [Undergraduate Program Declaration Form](#), students must then complete the Biology Program Assessment Survey.

Prerequisites

- [MATH 115 College Algebra](#) or
- [MATH 120 Pre-calculus](#)

Requirements (64 total credits)

Foundation Courses (39 credits)

- [BIOL 111 General Biology I](#)
- [BIOL 112 General Biology II](#)
- [CHEM 111 General Chemistry I](#)
- [CHEM 112 General Chemistry II](#)
- [MATH 208 Applied Calculus](#) or [MATH 210 Calculus I](#)
- [CHEM 231 Organic Chemistry I](#)
- [PHYS 211 Calculus Based Physics I](#)

And one of the following:

- [CHEM 332 Organic Chemistry II](#)
- [PHYS 212 Calculus Based Physics II](#)

Core Courses (15 credits)

One upper division course with lab in each of the three categories below.

Cell and Molecular Biology (5 cr)

- [BIOL 301 Genetics](#) or
- [BIOL 302 Cell Biology and Histology](#) or
- [BIOL 304 Molecular Biology](#) or
- [CHEM 301 Biochemistry](#)

Ecology and Evolutionary Biology

- [BIOL 310 Ecology](#) or
- [BIOL 312 Evolution](#) or
- [BIOL 316 Behavioral Ecology](#) or
- [ESCI 315 Limnology](#) (formerly BIOL 315 Limnology)

Physiology and Organismal Biology (5 cr)

- [BIOL 311 Plant Physiology](#) or
- [BIOL 321 Comparative Vertebrate Anatomy](#) or
- [BIOL 322 Comparative Animal Physiology](#) or
- [BIOL 323 Developmental Biology](#) or
- [BIOL 324 Invertebrate Biology](#) or
- [BIOL 330 Biology of Microorganisms](#)

Capstone and Elective Courses (10 credits)

An additional 10 credits of upper-division biology courses chosen from the list of core courses above, the list of elective courses below, and other approved 300- or 400-level biology courses (see advisor for details). Up to 5 credits of Biol350l/360l may be counted as elective credit in the Biology major, subject to advisor approval. Each student must take at least one 400-level course as a capstone experience.

- [BIOL 318 Spatial Ecology](#)
- [BIOL 320 Ecosystem and Global Ecology](#)
- [BIOL 406 Biology of Cancer](#)
- [BIOL 415 Pollution Ecology](#)
- [BIOL 418 GIS for Natural Sciences](#)
- [BIOL 469 Seminars in Biology](#)
- [BIOL 471 Science Journal Discussion](#)
- [BIOL 479 Advanced Topics in Biology](#)
- [BIOL 489 Senior Research in Biology](#)
- [BIOL 350l Biol Internship](#)

Biology Minor

The biology minor offers students a strong foundation in modern biological science to complement their major. The minor includes coursework in biology, chemistry and mathematics, with one semester of advanced study in an area of student interest.

Each student must complete 25 credits in the major including at least 5 upper division credits and at least 10 credits from Metropolitan State University. All prerequisite and required courses must be completed with grades of C- or above. Students can be admitted to the Biology BA minor once they have successfully completed the Prerequisite and Foundation courses.

A minor represents significant learning beyond a student's major or program; therefore, each student must include at least 5 credits of coursework in the biology minor that is not counted as part of their major or any other minor.

Transfer coursework equivalency is determined by the Natural Science Department. Each foundation science course must include at least one semester credit of professionally supervised on-ground laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses are not accepted as equivalent to upper-division courses and cannot be used to fulfill upper division course requirement of the minor.

Prerequisites

- [Math 115 College Algebra](#) or
- [Math 120 Pre-calculus](#)

Requirements (25 total credits)

Foundation

- [BIOL 111 General Biology I](#)
- [BIOL 112 General Biology II](#)
- [CHEM 111 General Chemistry I](#) and, optionally:
- [CHEM 112 General Chemistry II](#)

Upper Division Biology

At least 5 credits of 300- or 400-level coursework in biology, as needed to reach the total of 25 credits.

Business Administration Minor

The College of Management offers a business administration minor to students interested in supplementing their degrees with core business courses. This minor requires courses in each of the functional business areas including management, marketing, accounting and finance. In addition, the courses in the minor incorporate legal, ethical,

global and multicultural perspectives. Students completing the minor requirements will have the minor designated on their transcripts.

The Business Administration minor is not available to students already pursuing a College of Management major.

This program can be completed on campus, online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Requirements (20 credits)

- [ACCT 210 Financial Accounting](#)
- [MGMT 310 Management Principles and Practices](#)
- [FIN 390 Principles of Finance](#)
- [MKTG 300 Marketing Principles](#)
- One upper-division business elective - Students in the business administration minor must take at least four credits of upper-division business electives. Business administration minor electives are selected from accounting, decision sciences, economics, finance, human resource management, international business, management, marketing, management information systems, entrepreneurship and risk management insurance. In addition, Phil 320: Business Ethics can be selected.

Business Administration Major BS

The Business Administration major prepares students for a wide range of careers in business, government and not-for-profit organizations. It is a general management degree that features required and/or elective courses from all College of Management majors.

This program can be completed on campus, fully online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Acceptance to the Program

To be eligible for acceptance to the Business Administration major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The business administration program includes courses in six areas:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting](#)

3. Business Core Courses (24 credits)

- [MKTG 300 Marketing Principles](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)
- [MGMT 499 Case Studies in Strategic Management](#)

4. Business Administration Required Courses (12 credits)

- [ACCT 320 Strategic Management Accounting](#)
- [BLAW 320 Legal Environment of Organizations](#)
- [MGMT 320 Organizational Behavior](#)

5. Business Administration Elective Courses (4 credits from COM curriculum)

Students in the business administration major must take at least four credits of upper-division business electives. Business administration electives are selected from accounting, decision sciences, economics, finance, human resource management, international business, management, marketing, management information systems, entrepreneurship and risk management insurance. In addition, PHIL 320: Business Ethics can be selected.

6. Unrestricted electives as needed to total a minimum of 120 credits.

Course Prerequisites

Many College of Management courses are sequenced and build on previous learning. It is the student's responsibility to complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- the grade earned in the course is "C-" or "S" or higher.

Accounting, economics, and management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

- University Requirement - A minimum of 30 credits must be completed at Metropolitan State University
- At least 24 credits from among the Business Core Courses, Major Required Courses, Major Electives, and Capstone must be completed at Metropolitan State. The College of Management Residency Requirement (20 credits) is satisfied by the Business Administration Major Residency Requirement.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Chemistry Major BS

Chemistry is the study of the energetics, composition, properties, structure and reactions of matter. A student earning a B.S. Chemistry degree will learn about the composition of matter, how matter and energy interact, and will also learn to apply the principles of chemistry to their daily life.

The chemistry major provides students with a broad introduction to the discipline of chemistry combined with detailed exploration of at least one area of interest. The chemistry major prepares students to apply scientific methodology to solve chemical problems, to relate chemistry to their daily life and environment, to think critically and quantitatively, and to understand the experimental methods, techniques and instrumentation used in chemistry.

Earning a B.S. degree in chemistry can be a natural pathway to a wide variety of career choices. Some of these career options are lab intensive positions such as research, analytical and product chemists. Others options that

are outside of the typical lab oriented positions would be careers in sales, marketing and management. The B.S. chemistry degree can also be a stepping stone towards careers that require more advanced degrees such as teaching chemistry at a university level, medicine, law, pharmacy or dentistry.

In addition to the overall university graduation requirements, the B.S. Chemistry major requires each student to complete 64 credits in the major, including at least 25 upper division Chemistry credits, at least 25 Metropolitan State University credits and at least 6 upper division lab credits as part of the chemistry electives. Students must also complete the Chemistry program exit interview and assessment test during their final semester of classes before graduation.

All prerequisite and required courses must be completed with grades of C- or above. Transfer coursework equivalency is determined by the Natural Sciences Department. All courses listed in the primary and secondary set of required courses must include at least one credit of professionally supervised laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses cannot be used to fulfill elective requirements of the major.

Acceptance to the Program

To be eligible for acceptance to the Chemistry BS major, students must submit a College of Arts and Sciences Undergraduate Program Declaration Form when the Primary Set of Required Courses is completed. Students will need to complete an online Chemistry Major Declaration Survey and Assessment upon declaring their major:

Prerequisites

- MATH 115 College Algebra or
- MATH 120 Pre-calculus

Requirements (64 credits)

Primary Set of Required Courses (29 credits)

- CHEM 111 General Chemistry I
- CHEM 112 General Chemistry II
- MATH 210 Calculus I
- CHEM 231 Organic Chemistry I
- CHEM 332 Organic Chemistry II
- PHYS 211 Calculus Based Physics I

Secondary Set of Required Courses (20 credits) - This set of required coursework for the major can be done at any time.

- MATH 211 Calculus II
- PHYS 212 Calculus Based Physics II
- CHEM 341 Quantitative Analysis
- CHEM 351 Thermodynamics

Elective Courses (16 credits)

An additional 16 credits of upper-division chemistry courses chosen from the list of courses below or other approved 300- or 400-level chemistry courses (see advisor for details). Five credits must be chosen from Category 1 courses, five credits must be chosen from Category 2 courses, and the remaining six credits may come from Category 1, Category 2, or Category 3 courses. A total of six lab credits must be earned in the elective courses. A total of five credits may be earned for CHEM 489 Research and CHEM 350I Internship combined.

Category 1: Biochemistry, Medicinal, and Organic Chemistry

Additional coursework in Advanced Organic Chemistry is planned for the 2015-2016 academic year.

- [CHEM 301 Biochemistry](#)
- [CHEM 406 Advanced Techniques in Biochemistry](#)
- [CHEM 421 Medicinal Chemistry](#)

Category 2: Analytical, Environmental and Inorganic Chemistry

Environmental Chemistry is planned for spring 2015 semester. Additional coursework in Advanced Analytical Chemistry is planned for the 2015-2016 academic year.

- [CHEM 311 Environmental Chemistry](#)

Category 3: Other course offerings

- [CHEM 350I Chemistry Internship](#)
- [CHEM 469 Seminars in Chemistry](#)
- [CHEM 479 Special Topics in Chemistry](#)
- [CHEM 489 Directed Research in Chemistry](#)

Students will need to complete an online Chemistry Major Graduation Survey and Assessment during their final semester at Metropolitan State.

Chemistry Major BS

Chemistry is the study of the energetics, composition, properties, structure and reactions of matter. A student earning a B.S. Chemistry degree will learn about the composition of matter, how matter and energy interact, and will also learn to apply the principles of chemistry to their daily life.

The chemistry major provides students with a broad introduction to the discipline of chemistry combined with detailed exploration of at least one area of interest. The chemistry major prepares students to apply scientific methodology to solve chemical problems, to relate chemistry to their daily life and environment, to think critically and quantitatively, and to understand the experimental methods, techniques and instrumentation used in chemistry.

Earning a B.S. degree in chemistry can be a natural pathway to a wide variety of career choices. Some of these career options are lab intensive positions such as research, analytical and product chemists. Others options that are outside of the typical lab oriented positions would be careers in sales, marketing and management. The B.S.

chemistry degree can also be a stepping stone towards careers that require more advanced degrees such as teaching chemistry at a university level, medicine, law, pharmacy or dentistry.

In addition to the overall university graduation requirements, the B.S. Chemistry major requires each student to complete 64 credits in the major, including at least 25 upper division Chemistry credits, at least 25 Metropolitan State University credits and at least 6 upper division lab credits as part of the chemistry electives. Students must also complete the Chemistry program exit interview and assessment test during their final semester of classes before graduation.

All prerequisite and required courses must be completed with grades of C- or above. Transfer coursework equivalency is determined by the Natural Sciences Department. All courses listed in the primary and secondary set of required courses must include at least one credit of professionally supervised laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses cannot be used to fulfill elective requirements of the major.

Acceptance to the Program

To be eligible for acceptance to the Chemistry BS major, students must submit a College of Arts and Sciences Undergraduate Program Declaration Form when the Primary Set of Required Courses is completed. Students will need to complete an online Chemistry Majors Declaration Survey and Assessment upon declaring their major:

Prerequisites

- MATH 115 College Algebra or
- MATH 120 Pre-calculus

Requirements (64 credits)

Primary Set of Required Courses (29 credits)

- CHEM 111 General Chemistry I
- CHEM 112 General Chemistry II
- MATH 210 Calculus I
- CHEM 231 Organic Chemistry I
- CHEM 332 Organic Chemistry II
- PHYS 211 Calculus Based Physics I

Secondary Set of Required Courses (20 credits) - This set of required coursework for the major can be done at any time.

- MATH 211 Calculus II
- PHYS 212 Calculus Based Physics II
- CHEM 341 Quantitative Analysis
- CHEM 351 Thermodynamics

Elective Courses (16 credits)

An additional 16 credits of upper-division chemistry courses chosen from the list of courses below or other approved 300- or 400-level chemistry courses (see advisor for details). Five credits must be chosen from Category 1 courses, five credits must be chosen from Category 2 courses, and the remaining six credits may come from

Category 1, Category 2, or Category 3 courses. A total of six lab credits must be earned in the elective courses. A total of five credits may be earned for CHEM 489 Research and CHEM 350I Internship combined.

Category 1: Biochemistry, Medicinal, and Organic Chemistry

Additional coursework in Advanced Organic Chemistry is planned for the 2015-2016 academic year.

- [CHEM 301 Biochemistry](#)
- [CHEM 406 Advanced Techniques in Biochemistry](#)
- [CHEM 421 Medicinal Chemistry](#)

Category 2: Analytical, Environmental and Inorganic Chemistry

Environmental Chemistry is planned for spring 2015 semester. Additional coursework in Advanced Analytical Chemistry is planned for the 2015-2016 academic year.

- [CHEM 311 Environmental Chemistry](#)

Category 3: Other course offerings

- [CHEM 350I Chemistry Internship](#)
- [CHEM 469 Seminars in Chemistry](#)
- [CHEM 479 Special Topics in Chemistry](#)
- [CHEM 489 Directed Research in Chemistry](#)

Students will need to complete an online Chemistry Major Graduation Survey and Assessment during their final semester at Metropolitan State.

Chemistry Minor

The chemistry minor provides students with a broad introduction to the discipline of chemistry combined with detailed exploration of at least one area of interest. The chemistry minor complements other majors where additional chemistry knowledge is of benefit. The chemistry minor prepares students to apply scientific methodology to solve chemical problems, to relate chemistry to their daily life and environment, to think critically and quantitatively, and to understand the experimental methods, techniques and instrumentation used in chemistry.

Each student must complete 24 credits in the minor including at least 9 upper division credits and at least 10 credits at Metropolitan State. 200-level courses are not upper division. All prerequisite and required courses must be completed with grades of C- or above.

A minor represents significant learning above and beyond a student's major or program; therefore, each student must include at least 5 credits of coursework in the chemistry minor that is not counted as part of their major or any other minor.

Students can be admitted to the chemistry minor once they have successfully completed 15 credits of the required courses.

Prerequisites

- MATH 115 College Algebra or
- MATH 120 Pre-calculus

Requirements (24 total credits)

Required Courses (20 credits)

- CHEM 111 General Chemistry I
- CHEM 112 General Chemistry II
- CHEM 231 Organic Chemistry I
- CHEM 341 Quantitative Analysis

Elective Courses (4 credits)

At least one course from the following list, or other advanced chemistry courses by advisor permission, including at least one credit of lab, as needed to reach a total of 24 credits.

- CHEM 301 Biochemistry
- CHEM 311 Environmental Chemistry
- CHEM 332 Organic Chemistry II
- CHEM 332L Organic Chemistry II Lab
- CHEM 351 Thermodynamics
- CHEM 421 Medicinal Chemistry
- CHEM 469 Seminars in Chemistry
- CHEM 479 Special Topics in Chemistry
- CHEM 489 Directed Research in Chemistry

Civic Engagement Minor

Program Overview

The Civic Engagement minor consists of 20 required credits. The minor combines civic theory, issues and skills to prepare students for more effective civic leadership and action.

Graduates will be able to:

- Know and understand multiple perspectives on the role of citizens and civic engagement in a democratic society

- Know the variety of forms of civic engagement and have the ability to assess the efficacy of different approaches and strategies
- Know critical social, cultural, political and historical dynamics that underlie the practice of civic engagement from a US and/or global perspective
- Know and understand at least one specific issue area or context in which civic engagement takes place and/or increase development of at least one set of civic engagement skills
- Be able to integrate theory and experience
- Reflect on the role of civic engagement in one's life

Requirements (20 credits)

- **IDST 310 Principles of Civic Engagement (4 credits)**
The course will be a foundation course with rigorous civic and community engagement components. A goal of this course is to help prepare students for a lifetime of responsible citizenship and civic engagement.
- **Civic Engagement Capstone (4 credits)**
The capstone will be a final reflective seminar which integrates academic theories and concepts with issues and skills within the field of civic engagement. Pre-requisites for the Capstone: Students must have completed the Principles of Civic Engagement course, in addition to eight credits in the Civic Engagement minor.
- **Civic Skills and/or Issues-based courses (8 credits)**
These courses, offered in many discipline areas, address skills and issues related to civic engagement.
- **Theory-based course (4 credits)**
These courses introduce students to the theories that underlie productive civic engagement.

Earning the Civic Engagement Minor

To be admitted to the Civic Engagement minor, students must meet with the minor advisor and complete a minor declaration form. The advisor orients students to the minor and provides consultation throughout the program. All of the minor courses should be taken at the Metropolitan State University, and approved by the minor advisor. The College of Individualized Studies notifies students' academic advisors when the minor is complete. The minor is recorded on students' transcripts.

Community Organizing and Development Minor

The Community Organizing and Development minor is an interdisciplinary minor available to all Metropolitan State University students with an interest in organizing, developing and sustaining community, institutional and social change.

Overview

The minor provides a holistic overview of the community organizing and development field including:

- a focused field experience in community organizing and development;

- an exploration of approaches to community empowerment and social justice; and
- an understanding of the impact of public policy on low-income populations and people of color.

All Community Organizing and Development minor courses are taught by faculty members with long track records in the classroom and in the field. All courses incorporate examination of both historical and current forces and strategies in the community organizing and development traditions. Students will see the field and explore movements including: mutual aid associations, settlement houses, the community organizing tradition founded by Saul Alinsky, the community development movement, and the poor peoples and working class movements. Students will explore these developments in the context of globalization and draw connections between practice here and approaches in regions around the world.

Requirements

The Community Organizing and Development minor requires 19 credits, including a four-credit elective course that is selected in consultation with the minor advisor.

Required Courses

- [ETHS 309 Race and Public Policy](#)
- [SOC 311 Community Organizing and Social Action](#)
- [IDST 343 Perspectives on Community Development](#)
- [SSCI 350I Social Science Individual Internship](#)

Earning the Community Development Minor

To be admitted to the community organizing and development minor, students must meet with the minor advisor and complete a minor declaration form. The advisor orients students to the minor and provides consultation throughout the program. The College of Individualized Studies notifies students' academic advisors when the minor is complete. The minor is recorded on students' transcripts.

Computer Application Development BAS

Metropolitan State's Computer Application Development (CApp) major provides a foundation of the conceptual and practical knowledge in the various aspects of application design and implementation. Course work to develop analytical and problem-solving skills is complemented by an experiential component. The CApp major enables students to become developers who can deploy appropriate technology to solve problems in businesses and organizations. Individuals with strong backgrounds of technical and analytical skills, effective communication abilities, and project development knowledge are in demand as the information needs of the world continue to grow. CApp majors can go on to pursue careers as web developers, database application developers, enterprise application developers, and general application programmers.

Program Outcomes

A student graduating from the program will have the ability to:

1. program in several modern high-level and special-purpose languages (including an object-oriented language, web-related languages (client and server), and SQL) to implement a computer-based system, component, or program to meet desired needs, working either independently or in groups
2. use state-of-the-art tools and technologies and best programming practices and standards in the development of applications
3. use current computing knowledge, techniques, skills, and software tools to analyze a problem, determine and document user needs, create an effective project plan, and document program design and implementation
4. effectively add a solution into an already-existing user environment
5. better assimilate into professional working environments and conduct themselves professionally
6. engage in continuing professional development, including the learning of new general-purpose and special-purpose programming languages independently
7. analyze the local and global impact of computing on individuals, organizations, and society.

Acceptance to the Program

The program admits a limited number of students every summer. To be eligible for acceptance to the Computer Application Development major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

1. Received an AS in Computer Science or AAS in Computer Programming from approved programs. (Contact the department for the list.) or
2. Completed the following courses (with a grade of C- or better for all MATH and ICS courses)
 - o [ICS 140 Programming Fundamentals](#)
 - o [ICS 141 Programming with Objects](#)
 - o [ICS 225 Web Design and Implementation](#)
 - o [MATH 115 College Algebra](#) or [MATH 120 Pre-calculus](#)
 - o [MATH 215 Discrete Mathematics](#)

Students who do not meet the requirements above or are on academic probation will not be accepted to the major. Students not accepted to the major will not be allowed to take upper-division ICS courses.

Other Program Requirements (At least 40 credits)

- o [ICS 311 Database Management Systems](#) (4 credits)
- o [ICS 325 Internet Application Development](#) or [ICS 425 Client/Server Architectures](#) (4 credits)
- o [ICS 350I Information and Computer Sciences Individualized Internship](#) (8 credits)
- o [ICS 370 Software Design Models](#) (4 credits)
- o LD/UD Major Electives (At least 12 of these must be at the upper division) (20 credits)

Lower-Division/Upper-Division Elective Courses

- o [ICS 232 Computer Organization and Architecture](#)
- o [ICS 240 Introduction to Data Structures](#)
- o [ICS 265 C Programming](#)
- o [ICS 266 Object-oriented Programming with C++](#)
- o [ICS 325 Internet Application Development](#)
- o [ICS 340 Algorithms and Data Structures](#)

- [ICS 365 Comparative Programming Languages](#)
- [ICS 382 Computer Security](#)
- [ICS 425 Client/Server Architecture](#)
- [ICS 440 Parallel and Distributed Algorithms](#)
- [ICS 470 Software Engineering](#)

A minimum of 20 semester credits of major requirements must be completed at Metropolitan State. At least 24 credits of coursework must be completed at the upper division.

A class used to meet program requirements cannot be used as an elective.

Computer Forensics Major BAS

The Bachelor of Applied Science in Computer Forensics is a four-year, 120 credits program offered through the Information and Computer Sciences (ICS) department. This program prepares students with knowledge in cyber security, computer incident investigation, cyberspace ethics, and computer laws. Graduates will work in the computer technology and related fields in supporting companies and organizations to protect their interests or in helping law firms to deal with civil litigations. Whenever needed, graduates can also assist law enforcement fight against cyber terrorism and crimes.

Acceptance to the Program

To be eligible for acceptance to the Computer Forensics major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- Minimum cumulative GPA of 2.5 for CFS 262, CFS 264 and CFS 280 or transfer equivalents
- Two writing courses as defined to meet general education requirements
- Prerequisite courses (see below) with a grade of C- or better

Students who do not meet the requirements above or are on academic probation will not be accepted to the major. Students not accepted to the major will not be allowed to take advanced courses in the discipline.

Major Requirements

Students must complete CJS 101 and either CJS 200 or WRIT 231 before enrolling in any other CJS/LAWE classes.

Prerequisites

Computer Science and Technology

- [CFS 262 Computer and Operating System Fundamentals I](#)
- [CFS 264 Computer and Operating System Fundamentals II](#)
- [CFS 280 Introduction to Computer Forensics](#)

Criminal Justice and Law Enforcement

- CJS 101 Introduction to Criminal Justice

And one of the following:

- CJS 210 Constitutional Law
- LAWE 220 Legal Issues in Law Enforcement

Mathematics and Political Science

Take one of the following:

- MATH 210 Calculus I
- STAT 201 Statistics I

And one of the following:

- POL 101 Introduction to American Government and Politics
- POL 301 Citizenship in a Global Context

Core Courses

- CFS 380 Digital Evidence Analysis
- CFS 499 Computer Forensics Internship/Capstone
- ICS 382 Computer Security
- ICS 140 Programming Fundamentals or ICS 125 Understanding and Using the Internet

Take one of the following three courses

- CJS 339 Violent Crime Investigation
- CJS 388 Crime Analysis
- LAWE 325 Criminal Procedure and Investigations

Take two of the following four courses

- CFS 480 Introduction to Electronic Discovery
- CFS 484 Computer Laws*
- ICS 461 Voice and Data Communications
- POL 331 Law and the Legal Process

Electives***Group I Criminal Justice***

Take one of the following:

- CJS 310 Introduction to the Security Management
- CJS 320 Applied Criminology

- [CJS 367 Exploring Forensic Science](#)
- [CJS 387 White Collar Crime](#)

Group II Law

Take one of the following:

- [BLAW 310 Business Law: UCC and Contracts](#)
- [BLAW 320 Legal Environment of Organizations](#)
- [CFS 484 Computer Laws*](#)
- [POL 333 Constitutional Law: Civil Rights and Civil Liberties](#)

Group III Ethics

Take one of the following:

- [CJS 375/PHIL 325 Criminal Justice Ethics](#)
- [PHIL 320 Business Ethics](#)
- [PHIL 327 Ethics in the Information Age](#)
- [ICS 381 Societal Issues in Computing](#)

*No CFS courses can be used to meet two or more categories.

Students may complete the major prerequisites (see above) as part of an Associate of Science (AS) or an Associate of Applied Science (AAS) degree program in a field such as System Administration, Networking Administration, Database Administration, or Computer Forensics. Alternatively, they could start the program as freshmen at Metropolitan State University and take these classes with a view to major in Computer Forensics.

No student may be enrolled in an ICS or a CFS course without completing all course prerequisites with a grade of C- or better.

Computer Forensics Certificate

Acceptance to the Program

To be eligible for acceptance to the Computer Forensics Certificate program, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- Bachelor's degree in any discipline from a regionally accredited college/university with a GPA of 2.5 or better or with the ICS department consent

The computer forensics certificate is designed for students who have already earned a bachelor's degree and would like to re-shape their skills and knowledge in the field of computer forensics. Students without a bachelor's degree are not eligible for pursuing this certificate.

Gainful Employment Disclosure

Gainful employment programs are those "that prepare students for gainful employment in a recognized occupation." Public institutions are required to report this information for all undergraduate and graduate programs that are Title IV eligible and that lead to certificates, diplomas, graduate certificates or specialist awards. Degree programs at all levels are not considered to be gainful employment programs. View [Gainful Employment Facts](#).

Requirements

Core Courses

- [CFS 262 Computer and Operating System Fundamentals I](#)
- [CFS 264 Computer and Operating System Fundamentals II](#)
- [CFS 280 Introduction to Computer Forensics](#)
- [ICS 140 Programming Fundamentals](#) or [ICS 125 Understanding and Using the Internet](#)

Elective Courses

One course from the following courses:

- [BLAW 320 Legal Environmental Organizations](#) or
- [CFS 484 Computer Laws](#) or
- [CJS 210 Constitutional Law](#) or
- [POL 331 Law and the Legal Process](#)

One course from the following courses:

- [CFS 380 Digital Evidence Analysis](#) or
- [CJS 367 Exploring Forensic Science](#) or
- [CJS 387 White Collar Crime](#) or
- [LAW 325 Criminal Procedures and Investigation](#)

Course Overlapping

Students are allowed to have up to 8 credits overlapped with their current or previously completed majors or minors. If students have more than 8 credits overlapped, they are required to take additional coordinator-approved courses to cover the difference.

Computer Forensics Minor

Acceptance to the Program

To be eligible for acceptance to the Computer Forensics minor, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- 30 college credits with a GPA of 2.5 or better

Requirements

Core Courses

- [ICS 140 Programming Fundamentals](#) or [ICS 125 Understanding and Using the Internet](#)
- [CFS 262 Computer and Operating System Fundamentals I](#)
- [CFS 264 Computer and Operating System Fundamentals II](#)
- [CFS 280 Introduction to Computer Forensics](#)

Elective Courses

One course from

- [BLAW 320 Legal Environment of Organizations](#) or
- [CJS 210 Constitutional Law](#) or
- [POL 331 Law and the Legal Process](#) or
- [CFS 484 Computer Laws](#)

One course from

- [CJS 367 Exploring Forensic Science](#) or
- [CJS 387 White Collar Crime](#) or
- [CFS 380 Digital Evidence Analysis](#) or
- [LAWE 325 Criminal Procedures and Investigation](#)

Course Overlapping

Students are allowed to have up to 8 credits overlapped with their current or previously completed majors or minors. If students have more than 8 credits overlapped, they are required to take additional coordinator-approved courses to cover the difference.

Computer Information Technology Major BS

Metropolitan State's Computer Information Technology (CIT) major prepares students to be information technology professionals. This major provides a foundation of both theoretical and practical knowledge in the many aspects of information sciences and technology. Course work to develop analytical and problem-solving skills is complemented by hands-on courses in Metropolitan State's computer labs. A minimum of 20 semester credits of major requirements must be completed at Metropolitan State. The CIT major enables students to become developers, designers, or information technology specialists who can deploy appropriate technology to solve problems in businesses and organizations. Individuals with strong backgrounds of technical and analytical skills, effective communication abilities, and project development knowledge are in demand as the information needs of the world continue to grow. CIT majors can go on to pursue careers as Web analysts, systems analysts, computer support analysts, database designers and analysts, technical managers, and application programmers.

Program Outcomes

A student graduating from the program will have the following knowledge and skills:

1. An understanding of current concepts, best practices, and standards and the knowledge and ability to apply them in the core information technologies such as database systems and e-commerce applications.
2. An ability to use mathematics and current computing knowledge, techniques, skills, and tools to analyze a problem, determine user needs, develop systems or evaluate available systems, and create an effective project plan.
3. An ability to
 - a. program in an object-oriented language, web-related languages (client and server), and SQL
 - b. design and implement algorithms and processes and certify a computer-based system, process, component, or program to meet desired needs
 - c. Take the user needs into account in the evaluation, selection, purchase, and administration of computer-based systems.
 - d. Effectively add a solution into an already existing user environment.
4. Recognition of the need for and an ability to engage in continuing professional development.
5. An ability to function effectively on teams to accomplish a common goal such as gathering user requirements and to communicate results orally or in the written form.
6. An understanding of professional, ethical, legal, security and social issues and responsibilities and the ability to analyze the local and global impact of computing on individuals, organizations, and society.
7. Broader understanding of systems (security, operating systems, software engineering) in the design and implementation of web, database, client/server systems and utilization of resources
8. Pursue graduate studies in information technology, information systems, and business

Acceptance to the Program

To be eligible for acceptance to the Computer Information Technology major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- Minimum cumulative GPA of 2.5 for ICS 141 and MATH 215 or transfer equivalents
- Two writing courses, as defined to meet general education requirements
- Prerequisite courses (see below) with a grade of C- or better

Students who do not meet the requirements above or are on academic probation will not be accepted to the major. Students not accepted to the major will not be allowed to take advanced courses in the discipline.

Major Prerequisites (14 credits)

- [MATH 115 College Algebra \(4 credits\)](#)
- [MATH 215 Discrete Mathematics \(4 credits\)](#)
- [ICS 140 Programming Fundamentals \(3 credits\)](#)
- [ICS 141 Programming with Objects \(3 credits\)](#)
- Transfer credits for prerequisite courses is common, or demonstrating competency through previous work experience.

Students learn to program in ICS 140 Programming Fundamentals and ICS 141 Programming with Objects using Java programming language. Mathematics courses should be taken concurrently. Students should note individual course prerequisites and enroll in the proper sequence of courses. The prerequisite courses should be completed before upper division (300-level) classes are taken in the major.

Required Core Courses (36 credits)

The core courses present and synthesize material that is essential to professionals in the field. In these courses, students explore the concepts of operating systems, design and development of computer and database systems, including Web-based applications. The software design, Internet and capstone classes provide students with the project management, teamwork, presentation and business writing experiences that employers have identified as keys to professional success. In addition, students address ethical issues and social responsibility in the capstone course. The upper division (300-level) courses should be completed in the middle of the degree, while ICS 499 ICS Capstone Project should be taken in one of the last two semesters. Typically only upper division courses are transferred to fulfill upper division core requirements. Exceptions may be made based on the content of the transfer course. If exceptions are made, students may be required to earn additional upper division elective credits. To graduate, students must complete at least 24 credits of upper division coursework in the major.

Required courses include the following:

- [ICS 225 Web Design and Implementation \(4 credits\)](#)
- [STAT 201 Statistics \(4 credits\)](#)
- [CFS 262 Computer and Operating Systems Fundamentals I \(4 credits\)](#)
- [CFS 264 Computer and Operating Systems Fundamentals II \(4 credits\)](#)
- [ICS 311 Database Management Systems \(4 credits\)](#)
- [ICS 325 Internet Application Development \(4 credits\)](#) or [ICS 425 Client/Server Architectures \(4 credits\)](#)
- [ICS 370 Software Design Models \(4 credits\)](#)
- [ICS 382 Computer Security \(4 credits\)](#)
- [ICS 499 ICS Capstone Project](#)

Elective Coursework

- 8 credits of elective coursework from CFS 280, CFS 380, ICS 240 or any of the upper division ICS courses except ICS 381 and ICS 390

No student may be enrolled in an ICS or CFS course unless he/she has completed all course prerequisites with a grade of C- or better.

Computer Science Major BS

The computer science major is a solid, flexible program, focused on establishing a firm foundation computing principles, the development of effective problem-solving and mathematical skills, and the systematic application of theory to the design and development of software. This program also provides preparation for graduate school in computer science. A minimum of 16 semester credits of major requirements must be completed at Metropolitan State.

Program Educational Objectives

The program is designed to help graduates achieve the following career and professional objectives. The program's graduates will:

- Have the flexibility, versatility and problem solving skills that can be applied to any problem domain, so they will be productively employed in the computing field in roles such as Computer Programmer, Software Developer, Software Engineer, and Software Systems Analyst;
- Be successfully employed and accepted into well-established graduate schools;
- Have strong writing and presentation skills; and
- Have a sense of societal and ethical responsibility in their professional endeavors.

Program Outcomes

At the time of graduation, all students will have the following skills.

1. Apply knowledge of computing and mathematics appropriate to computer science.
2. Analyze problems and identify and define the computing requirements appropriate to its solution.
3. Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs.
4. Apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
5. Apply principles of design and development in the construction of software systems of varying complexity.
6. Use current techniques, skills, and tools necessary for computing practice.
7. Function effectively on teams to accomplish a common goal.
8. Understanding of professional, ethical, legal, security, and social responsibilities.
9. Communicate effectively with a range of audiences.
10. Analyze the local and global impact of computing on individuals, organizations, and society.
11. Recognition of the need for continuing professional development, as well as the ability to engage it.

Program Application Requirements

Competence in standard programming practices is essential to an in-depth study of the science of computing. Although many of the activities of computer professions are not programming-related, the language of computing is founded on programming. In addition, computer science has its roots in the discipline of mathematics.

At a minimum, computer science students must have an understanding of discrete mathematics and calculus in order to explore the theoretical foundations of computing. Mathematics and programming prerequisites should be completed early in the major.

Programming skills erode when left unused for long periods of time. As a consequence, programming classes taken more than five years ago will not be applied to meet the requirements for this major.

Since programming ability is crucial for success in computer science, the ICS Department invites students who may have programmed recently for one-on-one sessions with their advisor to discuss their programming background.

Waiver exams are used to help students evaluate their skills and to place them appropriately in the introductory programming sequence.

Acceptance to the Program

To be eligible for acceptance to the Computer Science major, students must submit a [College of Arts and Sciences Undergraduate Program Declaration Form](#) when the following is completed:

- Minimum cumulative GPA of 2.5 for ICS 141, ICS 240 and MATH 215 or transfer equivalents;
- Two writing courses as defined to meet general education requirements; and
- Prerequisite courses (see below) with a grade of C- or better.

Students who do not meet the above requirements or are on academic probation will not be accepted to the major. Students not accepted to the major will not be allowed to take advanced courses in the discipline.

Major Requirements

Major Prerequisites (22 credits)

- [MATH 120 Pre-calculus](#)
- [MATH 210 Calculus I](#)
- [MATH 215 Discrete Mathematics](#)
- [ICS 140 Programming Fundamentals](#)
- [ICS 141 Programming with Objects](#)
- [ICS 240 Programming with Elementary Data Structures](#)

Students get introduced to programming in ICS 140 Programming Fundamentals in the Python programming language. Next in the programming sequence are ICS 141 Programming with Objects and ICS 240 Elementary Data Structures, both using Java programming language. Mathematics courses should be taken concurrently. Students should note individual course prerequisites and enroll in the proper sequence of courses. The prerequisite courses should be completed before upper-division (300-level) classes are taken in the major. Transfer credit for the major prerequisite courses is common.

Required Core Courses (36 credits)

These courses are designed to deepen student understanding of the discipline of computer science. The study of computer hardware, operating systems and software design processes provides the understanding of the operation of the computer necessary for the development of robust, efficient systems. The capstone and software design classes provide students with the project management, teamwork, presentation and business writing experiences that employers have identified as keys to professional success.

In addition, students address ethical issues and professional responsibilities in the capstone course. The upper-division courses (300- or 400-level) should be completed in the middle of the degree, except for ICS 499 Software Engineering and Capstone Project, which is taken in one of the last two semesters. To graduate, students must complete at least 32 credits of upper division coursework in the major.

Required courses include the following:

- [ICS 232 Computer Organization and Architecture](#)
- [ICS 311 Database Management Systems](#)
- [ICS 340 Algorithms and Data Structures](#)
- [ICS 365 Organization of Programming Languages](#)
- [ICS 372 Object-Oriented Design and Implementation](#)
- [ICS 440 Parallel and Distributed Algorithms](#)
- [ICS 460 Networks and Security](#)
- [ICS 462 Operating Systems](#)
- [ICS 499 ICS Capstone Project](#)

Other Requirements

The remaining requirements may be fulfilled in one of two ways:

- Do a minor in field approved by the advisor, or
- Complete 8 credits of elective coursework as described below.

Students are encouraged to consult his/her advisor early in the program to make a decision on the above choices.

Recommended fields for a minor include Applied Mathematics, Biology, Chemistry, Computer Forensics, Physics, Project Management, and Technical Communication.

Elective courses allow concentrated work in an area of choice. Choices include theoretical computing topics, computer security, internships, and advanced mathematics. Students are encouraged to choose a set of elective courses that form a cohesive package.

Electives for the computer science major must be distributed as follows:

- At least 4 credits from one upper-division ICS course other than ICS 321, ICS 350I (internship), ICS 370, ICS 381, and ICS 390.
- At least 4 credits from an upper-division MATH course or an ICS course or an upper-division ICS course other than ICS 321, ICS 370, ICS 381, and ICS 390.

Other Electives

The contents of [ICS 490 Special Topics in Information and Computer Sciences](#) vary from semester to semester. Any specific offering of ICS 490 will state whether it may be applied as an elective.

No student may be enrolled in an ICS or CFS course unless he/she has completed all course prerequisites with a grade of C- or better.

Creative Writing Major BA

The Creative Writing program at Metropolitan State University is one of the richest and most diverse in the nation. Both our B.A. and minor in Creative Writing include workshops in fiction, poetry, memoir and creative non-fiction, writing children's literature, writing very short creative works, writing humor, writing student at Metropolitan State, you will gain experience in drafting, analyzing, and editing creative works of writing. Our stellar faculty are award-winning, widely published literary artists whose joy in both teaching and writing is infectious. Metropolitan State's creative writing curriculum challenges students with the delights and hard work required to write imaginatively, including developing an individual writing process, setting writing goals, understanding the opportunities available in print and electronic media, and leading a life made richer by the literary arts.

Develop your writing skills to express your thoughts and feelings in an imaginative way. Learn key skills:

- Learn the craft and art of creative writing from master writer-teachers.
- Read, draft and revise fiction, poetry, creative nonfiction, and children's writing.
- Nurture and hone your talent in the company of equally devoted students and teachers.
- Learn how to write creatively for multiple audiences and in multiple genres.
- Develop the ability to read critically; learn how to analyze and edit your own and others' work.
- Gain valuable experience in the world of publishing, both as writer and editor, by working on Haute Dish, Metropolitan State's award-winning online literary magazine.

The program invites you to learn from instructors who are highly accomplished practitioners and excellent teachers. For example:

- Creative writing teacher Alison McGhee has been nominated for a Pulitzer Prize and has received four Minnesota Book Awards.
- Creative Writing teacher Ed Bok Lee has won the American Book Award & Minnesota Book Award, among many other awards.

Acceptance to the Program

To be eligible for acceptance to the Creative Writing major, students must submit a [College of Arts and Sciences Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Up to 8 credits of the Creative Writing Major may be taken at the lower division.

Prerequisites (2 credits)

- [COMM 171 Desktop Computer Design for Communication](#) or equivalent (2 cr)

Required (21-24 credits)

- [INFS 115 Information Access](#) (2 cr) **or**
- [INFS 315 Searching for Information](#) (4 cr)
- [WRIT 251 Introduction to Creative Writing](#) (3 cr)
- [WRIT 357 Writers as Readers](#) (4 cr)
- [WRIT 371 Editing](#) (4 cr)
- [WRIT 531 Advanced Writing](#) (4 cr) **or**

- [WRIT 532 Writing about Place](#) (4 cr)
- [WRIT 481 Advanced Creative Writing*](#) (capstone) (4-5 cr)

Electives (16 credits)

- [WRIT 324 Topics in Writing](#) (4 cr)
- [WRIT 352 Writing Memoir and Creative Nonfiction*](#) (4 cr)
- [WRIT 353 Writing Short Fiction*](#) (4 cr)
- [WRIT 354 Writing Poetry*](#) (4 cr)
- [WRIT 355 Writing Children's Literature*](#) (4 cr)
- [WRIT 356 Writing Humor*](#) (4 cr)
- [WRIT 358 1000 Words or Less*](#) (4 cr)
- [WRIT 377 Writing Proposals and Grants](#) (4 cr)
- [WRIT 531 Advanced Writing](#) (4-5 cr)
- [WRIT 532 Writing About Place](#) (4 cr)
- [WRIT 541 Writing for Publication and Profit](#) (4 cr)
- [WRIT 583 Writing Major Projects](#) (4 cr)
- [WRIT 599 Advanced Topics](#) (must be related to Creative Writing) (4 cr)
- [INFS 338 The Craft and Commerce of Book Publishing](#) (4 cr)
- Four credits in professional writing, screenwriting, playwriting, literature or linguistics.

*May be repeated once for credit

37-39 Total Credits for Major (excluding prerequisites)

Creative Writing Minor

The Creative Writing minor offers students experience in drafting, analyzing, and editing creative works of writing. Students in the minor may take classes in fiction, poetry, memoir and creative non-fiction, writing children's literature, writing very short creative works, writing humor, writing for publication and profit, and advanced creative writing. The Creative Writing minor provides a familiarity with the joys and challenges of the art of writing imaginatively, including developing an individual writing process, setting writing goals, understanding the opportunities available in print and electronic media, and leading a life made richer by the literary arts.

Students must complete a total of 19 credits.

Requirements (19 total credits)

Required Courses (3 total credits)

- [WRIT 251 Introduction to Creative Writing](#)

Electives (16 credits)

- [WRIT 324 Topics in Writing](#) *
- [WRIT 352 Writing Memoir and Creative Nonfiction](#) *
- [WRIT 353 Writing Short Fiction](#) *
- [WRIT 354 Writing Poetry](#) *
- [WRIT 355 Writing Children's Literature](#) *
- [WRIT 356 Writing Humor](#) *
- [WRIT 357 Writers as Readers](#) *
- [WRIT 358 1000 Words or Less](#) *
- [WRIT 481 Advanced Creative Writing](#) *
- [WRIT 541 Writing for Publication and Profit](#)

Only one course from below can be counted towards Electives

- [SCRW 313 Beginning Screenwriting](#)
- [SCRW 314 New Screenplay Forms](#)
- [SCRW 415 Screenplay Style and Substance](#)
- [THEA 400 Playwriting I](#)
- [THEA 587 Playwriting II](#) *

*May be repeated once for credit

Criminal Justice Major BA

The baccalaureate of arts (BA) in criminal justice provides students with a broad analysis of the functions and operation of the criminal justice system as well as an examination of the relationship between law and society. An emphasis is placed on the interrelatedness of the components of the system including law enforcement, juvenile justice, court services (probation and parole), courts and corrections. To earn a BA with a major in criminal justice, students must complete the minimum bachelor's degree requirements (120 credits) including general education, liberal studies and criminal justice course work. All major courses must be completed with a grade of C- or higher.

Acceptance to the Program

To be eligible for acceptance to the Criminal Justice major, students must submit a School of Law Enforcement and Criminal Justice [Undergraduate Program Declaration Form](#) when the following is completed:

- 30 credits
- GELS/MNTC writing requirements
- Cumulative Metropolitan State GPA of 2.25
- SLC Pre-major Advising Workshop (PAW)

All criminal justice pre-majors should work closely with an advisor from the School of Law Enforcement and Criminal Justice (SLC).

Credit and Residency Requirements

All Metropolitan State University students must complete at least 30 credits in residency at Metropolitan State. All criminal justice students must complete 24 major credits at Metropolitan State University which can be applied toward the 30 credit university residency requirement.

Criminal Justice Major (49 credits total)

Required Core Courses (37 credits)

- *CJS 101 Introduction to Criminal Justice
- *CJS 200 Literature in Criminal Justice
- CJS 210 Constitutional Law
- CJS 300 Corrections
- CJS 302 Juvenile Justice
- +CJS 320 Applied Criminology
- LAWE 330 Critical Issues in Law Enforcement or LAWE 431 Police Culture
- CJS 350 Citizenship: Community Involvement
- +CJS 360 Diversity Issues in Criminal Justice*
- +CJS 375 Criminal Justice Ethics*
- +CJS 483 Research Seminar in Criminal Justice
- =CJS 490 Criminal Justice Capstone

* CJS 101 and CJS 200 are prerequisites for all core CJS and LAWE courses.
+ CJS 320, CJS 360, CJS 375 and CJS 483 are prerequisites for CJS 490.
= CJS 490 should be completed the student's last semester.

Directed Electives (12 credits)

Criminal justice majors must select 12 elective credits (9 of the 12 credits must be upper-division, 4 course minimum) of criminal justice or law enforcement courses listed below. CJS 101 and CJS 200 or instructor consent are prerequisites for CJS and LAWE directed elective courses. Students double majoring in law enforcement and criminal justice may not use required core law enforcement courses as directed electives. LAWE 104 is not accepted as a directed elective.

- CJS 110 Careers in Criminal Justice (no prerequisite required)
- CJS 305 The Criminal Court System
- CJS 310 Introduction to Security Management
- CJS 315 The Dynamics of Criminal Sexual Assault
- CJS 318 Women and Crime
- CJS 325 Inside-Out: Prison Exchange Program
- CJS 333 Gangs
- CJS 335 Murder: A Global Perspective
- CJS 339 Violent Crime Investigation
- CJS 340 Comparative Criminal Justice

- [CJS 344 Terrorism and Counterterrorism](#)
- [CJS 345 Organization and Administration in Criminal Justice](#)
- [CJS 346 Victimology](#)
- [CJS 354 Restorative Justice](#)
- [CJS 356 Urban Violence](#)
- [CJS 358 Community Building for Criminal Justice](#)
- [CJS 365 Criminal Justice and the Media](#)
- [CJS 367 Exploring Forensic Science](#)
- [CJS 370 Probation and Parole](#)
- [CJS 377 Criminal Justice Practicum](#) (4 credits maximum)
- [CJS 382 Topics in Criminal Justice](#)
- [CJS 387 White Collar Crime](#)
- [CJS 388 Crime Analysis](#)
- [CJS 465 Criminal Justice Response to the Mentally Ill and other Special Populations](#)

Any non-core law enforcement class is also included.

- [LAW 301 Community-Oriented Policing](#)
- [LAW 325 Criminal Procedure and Investigation](#)
- [LAW 370 Assisting Families in Crisis](#)
- [LAW 431 Police Culture](#)

Criminal Justice Minor

The criminal justice minor is designed for students who are interested in the broad field of criminal justice, and includes core courses that allow for depth of study in the field. The criminal justice minor is intended for students who are pursuing majors in other disciplines, or an individualized degree, and who wish to develop a minor within their program. The minor's required courses (see below) are supported by three courses (9 credits) of electives.

Acceptance to the Program

To be eligible for acceptance to the Criminal Justice Minor, students must submit a School of Law Enforcement and Criminal Justice [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the minor.

Required Core Courses (21 credits)

- [*CJS 101 Introduction to Criminal Justice](#)
- [*CJS 200 Literature in Criminal Justice](#)
- [CJS 300 Corrections](#)
- [CJS 320 Applied Criminology](#)

- Directed Electives (9 credits; ALL upper-division, three class minimum). Criminal justice minors must select 9 directed elective credits from criminal justice or law enforcement courses. Directed elective course options may be viewed online at the [criminal justice major](#).

*CJS 101 and CJS 200 are prerequisites for all CJS and LAWE courses.

Notes:

- Minor courses must be completed with C- or better.
- Law Enforcement majors cannot use required core law enforcement courses for the criminal justice minor.
- Law Enforcement Track 2 majors cannot minor in Criminal Justice.
- Computer forensics majors cannot use CJS or LAWE courses as directed electives if the courses are fulfilling requirements for their computer forensics major.

Dental Hygiene (BSDH) Baccalaureate Degree Completion Program

This program provides associate degree dental hygienists from accredited institutions an opportunity to complete a Bachelor of Science in Dental Hygiene (BSDH) degree. All Dental Hygiene Department educational programs are built on a partnership with Normandale Community College, as well as academic excellence, and the values of community involvement, ethical conduct, and social responsibility.

Completion of a baccalaureate degree provides dental hygienists with new and relevant employment opportunities as oral healthcare professionals. An important benefit may be broadening employment prospects in traditional and/or non-traditional work settings. Contemporary non-traditional work settings for dental hygienists may include:

- Educational roles
- Sales
- School-based programs;
- Local, state, or federal health programs
- Health care related project management
- Marketing
- Research

The dental hygiene baccalaureate completion program is designed to meet the professional and educational goals of dental hygienists. Offered on-line by dental hygiene educators, students can participate in advancing their education while maintaining employment. The program focuses on:

- Expanding dental hygiene knowledge and skills
- Deepening professional growth in the role as a community minded dental hygienist
- Expanding your opportunities in the workforce
- Preparing students who are interested in pursuing Metropolitan State University's Master of Science in Advanced Dental Therapy graduate degree (MSADT)

- Baccalaureate degree is required for graduate education
- MSADT prerequisite course is offered in the BSDH degree completion program

Acceptance to the Program

To be eligible for acceptance to the Dental Hygiene baccalaureate degree completion program, students must submit an [Undergraduate University Admissions Application](#). The following are also required:

- Official transcript from an accredited dental hygiene program demonstrating successful completion (or letter from program director or dean if within 15 credits of graduation)
- Official transcripts of all other college and university coursework
 - Transcripts from MnSCU institutions will be made available by e-transcripts
- Cumulative GPA of 2.50 (4.00 scale - calculated from all college coursework)
- Appropriate documentation of an active dental hygiene license (or letter from program director if within final semester of graduation)

A clinical component is not essential to BSDH program completion. If an applicant's educational/professional goals do include a clinical component in DENH 430P Dental Hygiene Capstone their dental hygiene license may need to include pain management specifically with regard to the administration of local anesthesia and nitrous oxide inhalation sedation. The applicant may be required to complete continuing education courses to meet these requirements depending upon if the student's goals for the program. Students with questions regarding these requirements should contact the dental hygiene program academic advisor or program director.

Program Requirements

The degree requirements for graduation with a Bachelor of Science in Dental Hygiene include:

- A minimum of 120 semester credits are needed for a MNSCU granted baccalaureate degree. These credits will consist of:
 - Transferable Associate Degree Dental Hygiene coursework
 - Some credits from the Dental Hygiene Major will transfer as upper division
 - Transferable General Education Liberal Studies (GELS) courses
 - Required Metropolitan State University Dental Hygiene Major and GELS courses
- View University wide [graduation requirement information](#).

Transfer Agreements

Metropolitan State University has articulation agreements with many Minnesota dental hygiene programs enabling a seamless transfer of general education and dental hygiene credits from a dental hygiene associate degree program to Metropolitan State University's BSDH program.

Courses

The majority of courses in the dental hygiene curriculum employ online teaching/learning strategies. Online coursework provides you flexibility and convenience while completing your baccalaureate degree. The following courses are required:

- [DENH 300 Designing and Managing Teams in Healthcare](#) (2 credits)
- [DENH 310 Collaborative and Advanced Dental Hygiene Practice](#) (3 credits)

- DENH 320 Management of Oral Health Care Delivery (3 credits)
- DENH 330 Populations with Special Oral Health Needs (3 credits)
- DENH 410 Evidence-Based Dental Hygiene Practice (3 credits)
- DENH 430P Dental Hygiene Capstone (4-5 credits)
- STAT 201 Statistics I (4 credits) or equivalent
- WRIT 331 Writing in your Major (4 credits)
- PHIL 321 Medical Ethics (4 credits)

Choose one from the following two courses, the chosen course must be completed prior to enrollment in the Dental Hygiene Capstone course:

- DENH 420 Restorative Functions Theory and Lab (3 credits) **or**
- DENH 340 Educational Concepts in Dental Hygiene (3 credits)

DENH 420 Restorative Functions Theory and Lab is the only course in the dental hygiene course major that requires significant on campus attendance for successful completion. This course includes a lab fee.

An optional one credit course, DENH 440 Restorative Functions Clinic, is required for those interested in pursuing Restorative Functions certification by the Minnesota State Board of Dentistry. It is available for student enrollment the semester immediately following successful completion of DENH 420 Restorative Functions Theory and Lab. This optional one credit course requires Dental Hygiene Program Clinical Documentation and a written contractual agreement with a dentist for completion of the Minnesota Board of Dentistry Restorative Function Clinical requirements.

- DENH 440 Restorative Functions Clinic (1 credit)

Clinical Requirements

These requirements apply only to students enrolled in DENH 440, Restorative Functions Clinic, and/or students implementing a clinical component to DENH 430P, Dental Hygiene Capstone.

- Appropriate documentation of an active dental hygiene license
- Evidence of current professional liability insurance
- Documentation of required immunizations
- Evidence of successful background study
- Evidence of current CPR certification
- Evidence of HIPAA training
- Evidence of current health insurance

Accreditation

Metropolitan State University and Normandale Community College are accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Higher Learning Commission
30 North LaSalle Street, Suite 2400
Chicago, IL 60602-2504
312-263-0456

Normandale Community College's Dental Hygiene Program is accredited by the American Dental Association Commission on Dental Accreditation.

Commission on Dental Accreditation
American Dental Association
211 East Chicago Avenue
Chicago, Illinois 60611-2678
312-4404653

Dental Hygiene Post-Baccalaureate Certificate

Collaborative Dental Hygiene Practice

This program provides baccalaureate educated dental hygienists, who have graduated from an accredited institution, the opportunity to complete an undergraduate certificate in dental hygiene. The focus is to augment and deepen the knowledge, skills, and values of the professional role of the dental hygienist in the community. The course offerings are online. This part-time program may prepare those students who are interested in pursuing Metropolitan State University's, Master of Science in Advanced Dental Therapy (MSADT) program if Post-Baccalaureate Certificate students enroll in the prerequisites course for this program, DENH 420 Restorative Functions Theory and Lab. This course requires a face-to-face commitment for successful completion.

Acceptance to the Program

To be eligible for acceptance to the Dental Hygiene Post-Baccalaureate Certificate program, students must have completed the following:

- Official transcript from an accredited dental hygiene program demonstrating successful completion
- Official transcripts of all other college and university coursework, indicating a BS/BA degree
- Cumulative GPA of 2.5 (calculated from all college coursework)
- Appropriate documentation of an active unencumbered license to practice dental hygiene in Minnesota

If an applicant's dental hygiene license does not meet Minnesota's dental hygiene requirements, specifically with regard to the administration of local anesthesia and nitrous oxide inhalation sedation, the applicant may be required to complete continuing education courses to meet these requirements depending upon the student's goals for the program.

Normandale Community College offers pain management continuing education courses and BSDH students will be given priority admission. These requirements must be completed before enrolling in the Restorative Functions Clinic or Dental Hygiene Capstone courses. Students with questions regarding these requirements should contact the program advisor or program faculty.

Program Requirements

Students complete a planned program of 9-15 credits of dental hygiene coursework from the list of courses below. The required certificate courses will be determined based upon the applicant's baccalaureate degree and career goals. Classes are offered primarily online with the exception of DENH 420, Restorative Functions Theory and Lab.

Dental Hygiene Certificate Courses

- [DENH 300 Designing and Managing Teams in Healthcare](#) (2 credits)
- [DENH 310 Current and Relevant Topics for the Dental Hygienist](#) (4 credits)
- [DENH 320 Management of Oral Healthcare Delivery](#) (3 credits)
- [DENH 420 Restorative Functions Theory and Lab*](#) (3 credits)
- [DENH 430P Dental Hygiene Capstone](#) (4-5 credits) (Last course to be completed)

*Requires campus time and a significant lab fee.

**An optional one credit course leading to Restorative Functions certification by the Minnesota State Board of Dentistry is available for student enrollment the semester immediately following successful completion of DENH 420, Restorative Functions Theory and Lab. This optional course requires contractual agreement with a dentist for completion of the Minnesota Board of Dentistry Restorative Functions clinical requirements.

Design of User Experience Minor

Program Overview

The Design of User Experience minor is a 20-credit program that provides students with knowledge and skills in designing and improving user experience of information products. Through this minor, students acquire analytical thinking and hands-on skills to work in a wide range of industries, particularly in information technology services and digital innovation. This minor can be an excellent complement to a degree in communication, business, computer science and psychology.

Program Outcomes

Students completing the minor in Design of User Experience will:

- Understand fundamental concepts in design of user experience
- Differentiate usability and user experience, testing and design
- Utilize design thinking in the discovery of design solutions
- Gather, organize, and distill user requirements
- Adopt effective methods in exploring, analyzing, and evaluating design solutions
- Apply user experience knowledge and skills in major area of study

Curriculum

Up to eight (8) credits may be transferred.

Required Courses (12 credits)

- [WRIT 372 Document and Information Design I](#)
- [WRIT 574 Usability for Technical Communication](#)
- [WRIT 577 Design of User Experience](#)
- [ICS 225 Web Design and Implementation](#)
- [ICS 321 Multimedia Design and Programming](#)
- [PSYC 309 Cognitive Psychology](#)
- [WRIT 373 Writing and Designing for the Web I](#)
- [WRIT 573 Writing and Designing for the Web II](#)
- [MDST 580 Issues in Communication Technology](#)
- [MDST 583 Online Education and Training](#)

Transfer courses may be applicable to minor requirements. The university's degree audit system (DARS) will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by the coordinator of the Design of User Experience minor.

Digital Media Minor

The Digital Media minor combines theory and practice in the ever-expanding world of digital communication. Classes in the minor provide background in writing, communication and visual theory, while focusing on the production of digital media. Students choose from a menu of classes in multimedia, social media and web and information design. They complete a prerequisite course on how to identify, locate and use tools for producing digital communication.

Students completing the Digital Media minor will:

- Learn how to strategically choose appropriate media formats for a variety of messages
- Learn how to apply knowledge of audience, context and purpose in creating digital communication
- Learn how to produce digital content in a variety of media, incorporating both aesthetic and practical concerns
- Learn how identity and diversity shape digital communication and online communities

Students majoring in any discipline are welcome to pursue the minor in Digital Media. **However, students may count only one 4-credit elective in the Digital Media minor toward their major and/or another minor. In addition, the prerequisite--WRIT 28--may be counted toward both the student's major and the Digital Media minor.** Up to 9 credits may be taken at the lower division.

Required Courses (21-22 total credits)

Prerequisite (2 credits)

- [WRIT 280 Digital Tools for Writing and Communication](#)

Electives (19-20 credits)

Students may complete any combination of courses in the following areas:

Multimedia

- [ARTS 115 Introduction to Photography](#)
- [ARTS 316 Intermediate Photography](#)
- [MDST 364 Indigenous Storytelling and New Media](#)
- [MDST 580 Issues in Communication Technology](#)
- [MDST 487 Writing and Producing for Radio I](#)
- [SCRW 313 Beginning Screenwriting](#)
- [SCRW 315 Film Production and Editing I](#)

Social Media

- [MDST 210 Introduction to Social Media and Online Community](#)
- [MDST 484 Social Media in the Enterprise](#)
- [MDST 485 Communicating with New Media](#)

Web and Information Design

- [WRIT 373 Writing and Designing for the Web I](#)
- [WRIT 573 Writing and Designing for the Web II](#)
- [WRIT 341 Writing the News in a Digital World](#)
- [WRIT 342 Writing for Online and Print Magazines](#)
- [MDST 583 Online Education and Training](#)

Internship

- [WRIT 350I Writing Internship](#)
- [MDST 350I Media Studies Internship](#)

Disability Studies Minor

The Disability Studies Minor provides a comprehensive overview of the history of the disability movement, current issues relevant to disabilities and an in-depth exploration of resources and trends. In addition, the Disability Studies Minor is designed to address and analyze policies and societal barriers that impact people with disabilities. The Disability Studies Minor embraces the philosophy of the Disability Rights Movement that focuses on self-determination, civil rights, and culture.

The field of disability studies is relatively new and is an outgrowth of civil rights for people with disabilities that led to the Americans with Disabilities Act of 1990. Disability Studies represents a focus on empowerment, self-determination, and independence.

Subject Area Competence

Students choosing the Minor in Disability Studies will be expected to demonstrate competence through 20 credits as identified in the DS Minor. Five four-credit courses are required and to be selected from the list below. All courses are online. The Disability Studies Minor can be taken by students in any program of study. Students in the Human Services, Individualized Studies, Corrections, Health Sciences and Business have found the Minor to enhance their fields of study.

Required (20 Total Credits)

Required Core Courses (20 credits)

Choose any five courses from the following. All courses are four credits and are all online. There are no prerequisites for any of the courses.

- [HSDS 304 Introduction to Disabilities](#)
- [HSDS 305 Disability Rights: History and Current Trends](#)
- [HSDS 306 Community Resources and Services for Persons with Disabilities](#)
- [HSDS 307 Blind, Deaf Blind, and Deaf Culture, History and Resources](#)
- [HSDS 308 Aging and Disabilities](#)
- [HSDS 400 Current Issues and Special Topics in Disability Studies](#)
- [HSER 303 Disability Awareness](#)
- [HSER 309 Violence and Disability](#)

Early Childhood Studies Major BAS

This major is designed primarily for students transferring from a MnSCU institution with a child development diploma or AA, AS, or AAS degree programs who are seeking baccalaureate degrees in early childhood studies. Many students will be seeking career enhancements in the child development field. Courses are also open to non-majors.

It is expected that all students receiving a BAS degree with a major in early childhood studies will develop knowledge and skills at the upper-division level related to:

- child development and learning;
- early childhood curriculum development and implementation;
- family and community relationships;

- assessment and evaluation of young children;
- professional and ethical issues in early childhood; and
- Application of knowledge and skills within the context of an urban early childhood setting.

Acceptance to the Program

To be eligible for acceptance to the Early Childhood Studies major, students must submit a College of Health, Community and Professional Studies Undergraduate Program Declaration Form. Consult with an advisor before enrolling in courses toward the major.

Requirements (43 credits)

All students are expected to have at least 120 credits to graduate with a degree in early childhood studies. In addition to the major requirements, students must complete the university's general education and liberal studies requirements.

Prerequisites

- PSYC 100 General Psychology

Required Courses

- PSYC 308 Child Psychology or
- PSYC 308T Child Psychology Theory Seminar (with advisor's permission)
- PSYC 356 Early Childhood Development within a Social/Cultural and Historical Context
- PSYC 357 Observing and Assessing Young Children: Birth through Age Five
- PSYC 359 Positive Behavior Guidance
- EDU 321 Urban Infant-Toddler Curriculum and Practicum*
- PSYC 415 Principles of Teaching and Learning in Early Childhood
- PSYC 416 Comparative Study of Early Childhood Program Models
- PSYC 417 Language and Communication Development in Early Childhood
- PSYC 030 Early Childhood Studies Internship Meeting
- PSYC 350I Psychology Internship
- PSYC 420 Early Childhood Studies Capstone: Professionalism and Ethical Issues

*PSYC 356 is a prerequisite for EDU 321.

Guided Electives (3 credits minimum)

- EDU 331 Physical Development, Health, Nutrition, Effects of Drugs in Birth-Grade 6
- EDU 361 The Arts in Early Childhood and Elementary Education
- EDU 325 Emergent Literacy in Urban Early Childhood Education
- PSYC 102 Dynamics of Parent/Child Relationships
- PSYC 305 Behavior Disorders in Children
- PSYC 306 Child Abuse
- PSYC 353 Selected Topics in Early Childhood
- PSYC 393 Special Education Overview
- PSYC 425 Administration of Early Childhood Programs

Early Childhood Studies Theory Seminars

Metropolitan State is pleased to collaborate with the Minnesota Association for the Education of Young Children (MnAEYC) by offering theory seminars for a total of 16 university credits leading to the MnAEYC's Director's Credential. The Director's Credential program is a voluntary opportunity for the career advancement and professional development of early childhood center directors and other administrators. Four competence-based theory seminars are offered for individuals who have had experience as an early childhood center director or administrator.

- [PSYC 308T Child Psychology Theory Seminar](#)
- [PSYC 350T Early Childhood Programs: Management Principles and Applications](#)
- [PSYC 351T Early Childhood Programs: Regulatory/Financial/Facility Management](#)
- [PSYC 352T Early Childhood Programs: Advocacy and Communications](#)

Economics Major BS

Economics describes and analyzes the organization and operation of an economic system. While much can be learned from the economic systems of other countries, most courses in this program focus on the western market economy. An understanding of economics is essential for all careers in management and to becoming a well-informed citizen and participant in society.

The economics program offers courses which serve all majors in the College of Management and those leading to the two tracks in the economics major. The business economics track prepares students for work in the quantitative areas of business: market research, business forecasting, financial analysis, economic modeling and simulation, operations, and quantitative decision making. The more traditional economics track prepares students for graduate study in economics and professional study in law, public administration, business and public policy.

Many economics courses may be used to fulfill the university's general education/liberal studies requirements.

Acceptance to the Program

To be eligible for acceptance to the Economics major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- Economics Foundation Courses with a grade of C- or better (see below)

The Economics Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The economics program includes 120 credits (at least 40 upper division) distributed in general education/liberal studies, foundation courses and study in economics or business economics.

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. Economics Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 210 Calculus I](#) (or higher)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)

Economics Track

3. Required (16 credits)

- [ECON 351 Intermediate Macroeconomics](#)
- [ECON 352 Intermediate Microeconomics](#)
- [ECON 420 Money, Banking and Financial Institutions](#)
- [ECON 497 Economic Research and Forecasting](#) this course is a capstone class which should be taken near the end of student's program.

4. Electives (16 credits, choose four courses)

- [ECON 311 Economics of the Environment](#)
- [ECON 313 Labor Economics](#)
- [ECON 314 International and Comparative Economics](#)
- [ECON 315 Economics of Diversity](#)
- [ECON 316 Health Economics](#)
- [ECON 496 Managerial Economics](#)

Business Economics Track

3. Required (24 credits)

- [ACCT 210 Financial Accounting](#)
- [ECON 314 International and Comparative Economics](#)
- [ECON 420 Money, Banking and Financial Institutions](#)
- [ECON 496 Managerial Economics](#)
- [ECON 497 Economic Research and Forecasting](#)
this course is a capstone class which should be taken near the end of a student's program.
- [FIN 390 Principles of Finance](#)

4. Electives (12 credits, choose three courses)

- [ECON 311 Economics of the Environment](#)
- [ECON 313 Labor Economics](#)
- [ECON 315 Economics of Diversity](#)
- [ECON 316 Health Economics](#)
- [ECON 351 Intermediate Macroeconomics](#)
- [ECON 352 Intermediate Microeconomics](#)
- [DSCI 431 Managerial Problem-solving and Decision-making Methods](#) or
- [DSCI 434 Introduction to Operations Management](#)
only one of these may be applied toward the business economics track.
- [FIN 550 International Finance](#)
- [ENTR 490 Challenges and Choices in Small Business and Entrepreneurship](#)
- [MKTG 420 Marketing Research](#)

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Economics Minor

The economics program area offers a minor in economics that allows students to go deeper in learning how to apply the basic concepts gained from taking the principles of macroeconomics and microeconomics. The economics minor provides a balance of theory and practice in order to increase students' ability to solve problems in their fields. The economics minor is offered primarily to the following categories of students: students from business and management fields in the College of Management, students from human services and public administration, and students from the liberal arts who desire to increase their knowledge of economics.

Requirements

- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)

Electives (three courses)

- [ECON 311 Economics of the Environment](#)
- [ECON 313 Labor Economics](#)
- [ECON 314 International and Comparative Economics](#)
- [ECON 315 Economics of Diversity](#)
- [ECON 316 Health Economics](#)
- [ECON 351 Intermediate Macroeconomics](#)
- [ECON 352 Intermediate Microeconomics](#)
- [ECON 420 Money, Banking and Financial Institutions](#)
- [ECON 496 Managerial Economics](#)

- [ECON 497 Economic Research and Forecasting](#)

Economics lab is offered twice a week during the fall and spring semesters and once a week during the summer. The lab is designed to assist students in ECON 201 Macroeconomics and ECON 202 Microeconomics classes and independent studies. Information on lab hours and locations is distributed at these classes and with independent study packets, and is available from the [College of Management Web page](#).

English Major BA

The English major helps students to examine and interpret literature in English from a variety of viewpoints, and to understand the role literature plays in human cultures. Students completing the English major develop strong analytic and interpretative abilities as well as enhanced skills in written and oral communication. Those abilities and skills help prepare English majors for careers in writing, editing, publishing, advertising, law, education and business. Students planning to complete a degree program in English should consult with a faculty member of the department before enrolling in classes.

Acceptance to the Program

To be eligible for acceptance to the English major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with a department faculty member before enrolling in courses toward the major.

Requirements (36 total credits)

1. **One course from the two-semester survey of American literature (4 credits)**
 - [LIT 341 American Literature: Beginnings--1870](#)
 - [LIT 342 American Literature: 1870--Present](#)
2. **One course from the two-semester survey of English literature (4 credits)**
 - [LIT 371 English Literature: Beginnings--1800](#)
 - [LIT 372 English Literature: 1800--Present](#)
3. **One course in literature written by women (4 credits)**
 - [LIT 312 Women Writers](#)
 - [LIT 315 Gender in Literature and Film](#)
 - [LIT 362 Black Women Writers](#)
 - [LIT 365 Asian Women Writers](#)

4. One course in ethnic or world literature (4 credits)

- [LIT 361 African-American Literature](#)
- [LIT 362 Black Women Writers](#)
- [LIT 363 American Indian Literature](#)
- [LIT 364 Becoming America\(n\): Literature by Immigrants of Color](#)
- [LIT 365 Asian Women Writers](#)
- [HUM 310 The First Civilizations](#)
- [HUM 311 The Classical World: Greece](#)
- [HUM 312 The Classical World: Rome](#)
- [HUM 313 Medieval Civilization](#)
- [HUM 314 The Renaissance](#)
- [HUM 315 The Enlightenment](#)
- [HUM 316 Romanticism](#)
- [HUM 317 Modernism](#)
- [HUM 318 Postmodernism](#)
- [HUM 321 Myth](#)
- [HUM 326 Folklore](#)
- [HUM 327 Convivencia: Jewish, Christian and Islamic arts in Medieval Spain](#)
- [HUM 364 The Harlem Renaissance](#)

5. One course in Shakespeare (4 credits)

- [LIT 377 Shakespeare](#)

6. Electives (8 credits)

Additional upper-division courses in literature or humanities subject areas. Courses listed in more than one category may apply to one requirement only. Any of the above courses may be taken as an elective, but a course can be applied to only one area of the major requirements. (No double counting within the major.)

Please refer to our listings on the Course Descriptions Web page for other course offerings which can be taken as electives.

7. One of the following (4 credits)

- [LIT 501 Literary Criticism: Beginnings--1950](#)
- [LIT 502 Literary Criticism: 1950--Present](#)
- [LING 547 History of the English Language](#)

8. Capstone Seminar (4 credits)

The department recommends that students take this course within the last two semesters prior to the graduation.

- [LIT 480 Literature Capstone Seminar](#)

Notes:

- At least half of these 36 credits must be earned at Metropolitan State.
- Any course used in the English major may be applied to one major requirement only.
- With advisor approval, upper-division transfer credits may be applied to specific major requirements or electives; up to 12 semester credits at the 200-level may be applied to specific major requirements.
- With advisor approval, specific major requirements may be met by particular sections of LIT 390 authors and Topics in Literature, or LIT 590 Advanced Studies in Literature.

See the [English Major Checklist](#).

English Minor

Requirements (20 total credits)

One of the following (4 credits)

- [LIT 341 American Literature: Beginnings-1870](#)
- [LIT 342 American Literature: 1870-Present](#)
- [LIT 371 English Literature: Beginnings-1800](#)
- [LIT 372 English Literature: 1800-Present](#)

One of the following (4 credits)

- [LING 316 The Nature of Language](#)
- [LING 547 History of the English Language](#)

Literature Written by Women (4 credits)

- [LIT 312 Women Writers](#)
- [LIT 315 Gender in Literature and Film](#)
- [LIT 362 Black Women Writers](#)
- [LIT 365 Asian Women Writers](#)

Ethnic or World Literature (4 credits)

- [LIT 361 African-American Literature](#)
- [LIT 362 Black Women Writers*](#)
- [LIT 363 American Indian Literature](#)
- [LIT 364 Becoming America\(n\): Literature by Immigrants of Color](#)

- [LIT 365 Asian Women Writers](#)
- [HUM 310 The First Civilizations](#)
- [HUM 311 The Classical World: Greece](#)
- [HUM 312 The Classical World: Rome](#)
- [HUM 313 Medieval Civilization](#)
- [HUM 314 The Renaissance](#)
- [HUM 315 The Enlightenment](#)
- [HUM 316 Romanticism](#)
- [HUM 317 Modernism](#)
- [HUM 318 Postmodernism](#)
- [HUM 321 Myth](#)
- [HUM 326 Folklore](#)
- [HUM 327: Convivencia: Jewish, Christian and Islamic Arts in Medieval Spain](#)
- [HUM 364: The Harlem Renaissance](#)

One upper-division elective in literature or humanities (4 credits)

Any of the above courses can be taken as an elective, but a course can be applied to only one area of the minor requirements. (No double-counting within the minor.)

Please refer to our listings on the [Course Descriptions](#) Web page for other course offerings which can be taken as electives.

*May apply to one requirement area only.

English as Second Language (ESL) minor

The English as Second Language (ESL) minor is designed for students interested in the knowledge, skills, methods, and strategies for working with urban English Language Learners in K-12 schools. In the future this program may prepare students for licensure.

Prerequisite Courses (6 credits)

- [EDU 200 Introduction to Urban Education and Reflective Teaching](#)
- [EDU 203 Multicultural Education](#)

Core Courses (20 credits)

Each EDU course listed below requires acceptance to the School of Urban Education or department approval in order to enroll.

- [LING 316 The Nature of Language](#) (4 credits)
- [EDU 435 Teaching and Assessing English Language Learners](#) (3 credits)
- [EDU 451 Immigrants and Refugees in Urban Schools](#) (2 credits)
- [EDU 452 Theories and Methods of Language Learning](#) (3 credits)
- [EDU 453 Assessment and Curriculum for English Learners in Urban Schools](#) (4 credits)
- [EDU 454 The Urban ESL Professional](#) (1 credit)
- [EDU 496 K-Elementary ESL Practicum](#) (1 credit)
- [EDU 461 Middle School ESL Practicum](#) (1 credit)
- [EDU 471 High School ESL Practicum](#) (1 credit)

Admission Requirements

Students who are admitted to the School of Urban Education do not have to apply for acceptance to the minor. Other students may apply for acceptance to the minor when meeting the following requirements:

- Letter of application stating interest in the minor
- GPA 2.5 or higher
- 40 hours of experience with culturally and linguistically diverse urban youth
- Two Recommendations

English Teaching Major BS

(Communication Arts and Literature Licensure Grades 5-12)

Students usually enroll in the English Teaching Major as part of a larger program leading to teaching licensure in communications, arts, and literature for grades 5-12.

The English teaching major includes study in the following disciplines:

- Writing--the writing process, composition theory, and effective methods for teaching secondary students to write in different genres for a variety of purposes and audiences;
- Reading--reading theory, the nature of reading comprehension, and student responses to interpreting and evaluating texts;
- Literature--the aesthetic dimensions of literature with a focus on helping secondary students to understand literature in various historical and cultural contexts;
- Speech communication--verbal and nonverbal speech processes, listening skills, public speaking and interpersonal communication;
- Media literacy--print and non-print media, and the effects of various electronic media on the communication process; and

Acceptance to the Program

To be eligible for acceptance to the English Teaching major (Grades 5-12), students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when they have completed all of the requirements from the [Guide to Admission in the Urban Teacher Program](#).

Major Requirements

Prerequisites

(These credits do not count toward the major)

1. COMM 103 Public Speaking
2. WRIT 121 Writing I Intensive or WRIT 131 Writing I or WRIT 132 Written and Visual Communication
3. WRIT 231 Writing II or WRIT 261 Business Writing or WRIT 271 Technical Writing

Content Area Courses (32 + credits)

Completing 8 or more credits from among any of the following courses is required for admission into the Urban Teacher Program (UTP). Students may enroll in any courses prior to UTP admission.

1. **Choose four of the following foundation courses**
 - o LIT 300 Literary Analysis
 - o LIT 332 Adolescent Literatures
 - o WRIT 251 Intro to Creative Writing or WRIT 331 Writing in Your Major
 - o LING 316 Nature of Language or LING 326 Language and Culture
2. **Choose one of the following in diverse literatures**
 - o LIT 312 Women Writers
 - o LIT 345 Working Class Literature
 - o LIT 361 African-American Literature
 - o LIT 362 Black Women Writers
 - o LIT 363 American Indian Literature
 - o LIT 364 Becoming America(n): Literature by Immigrants of Color
 - o LIT 365 Asian Women Writers
3. **Choose two of the following in classic literatures**
 - o LIT 341 American Literature (Beginnings--1870)
 - o LIT 342 American Literature (1870--Present)
 - o LIT 371 English Literature (Beginnings--1800)
 - o LIT 372 English Literature (1800--Present)
 - o LIT 377 Shakespeare
4. **Choose one of the following in communication (3-4 credits)**
 - o COMM 231 Introduction to Interpersonal Communication
 - o COMM 233 Introduction to Intercultural Communication
 - o COMM 333 Intermediate Intercultural Communication
 - o COMM 351 Communication in Work Groups
5. **Choose one elective**
 - o Any 300+ level course (3-4 credits) in Literature, Humanities, Reading or Writing.

Teaching Licensure Grades 5-12

Completing the English Teaching Major is only part of the preparation for teaching in grades 5-12. You must also earn a teaching license. Students completing the teaching major who wish to earn Minnesota Teaching Licensure for secondary education (grades 5-12) can do so by completing additional course work through the university's Urban Teacher Program. Please note that the university's Education Department has the primary responsibility for recommending students for licensure. For more information, visit the [Grades 5-12 licensure for Urban Secondary Education](#) page in the catalog.

Entrepreneurship Minor

This minor is designed for College of Management majors and students who have satisfied the following prerequisites or their equivalents:

- [ACCT 210 Financial Accounting](#)
- [MKTG 300 Marketing Principles](#)

Entrepreneurship is the fastest growing segment in the economy, with small businesses representing 99 percent of all employers and accounting for 63% of the net new jobs created over the last 2 decades (SBA Office of Advocacy, 2014). This is an interesting, challenging, and rewarding time to be studying small business and entrepreneurship. Starting and operating a small business is one of the ways to fulfill the "great American dream," and many Americans believe this is one of the best paths to success and self-satisfaction.

The entrepreneurship minor is an excellent way to prepare for the challenges of starting and successfully operating a small business. The goal of this minor is to provide essential information needed to handle the challenges small business owners and operators face while starting and growing their ventures. The minor includes courses in the essential areas of entrepreneurship which will better prepare students for owning and operating a small business.

Requirements (16 credits)

Required Courses (12 credits)

- [ENTR 352 Technology Management for Entrepreneurs](#) (2 credits)
- [ENTR 353 Finance for Entrepreneurs](#) (2 credits)
- [ENTR 354 Entrepreneurship and Law](#) (2 credits)
- [ENTR 355 Entrepreneurship and Marketing](#) (2 credits)
- [ENTR 490 Challenges and Choices in Small Business and Entrepreneurship](#) (4 credits)

Elective Courses (4 credits)

- [ACCT 320 Strategic Management Accounting](#) (4 credits)
- [DSCI 420 Project Management](#) (4 credits)
- [ENTR 356 Writing a Marketing Plan](#) (2 credits)

Environmental Communication Minor

Environmental communication is a growing career field. The environmental communication minor provides an understanding of environmental communication trends, policies and practices to equip students in a variety of majors with the necessary knowledge and skills to become effective managers and leaders in business, and in public and nonprofit organizations. Environmental issues are complex, and every sector of society has a stake in clearly and effectively relating their messages or concerns to the public. The courses include both theory and practice and focus on the achievement of effective environmental communication skills to assist with the ever-changing problems and issues in environmental studies. Graduates with an environmental communication minor will be able to analyze the various environmental issues, the values behind those issues, and the communication tools available for persuasion and public policy decisions.

Required courses (20 credits)

- [WRIT 575 Environmental Communication](#)
- [HIST 363 World Environmental History](#) (or equivalent)
- [ETHS 304 Environmental Justice and Public Policy](#)
- [NSCI 204 Environmental Science](#) (or equivalent)
- [LIT 349 American Nature Writers](#)

At least 12 of the 20 credits required for the environmental communication minor must be completed at Metropolitan State.

Transfer courses may be applicable to minor requirements. The university's degree audit (DARS) will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by the coordinator of the environmental communication minor.

Ethnic Studies Major BA

This degree program spotlights diverse ethnic communities in the United States within a globalized, transnational context. Our program centers on the experiences, voices, collective memories, and in-group diversity of ethnic and racialized communities of color, as well as their coalitions and allies. Students learn analytical and critical thinking skills through comparing and contrasting the experiences of African American, Asian American, Latina/o, and American Indian groups and individual members as well as concentrating on experiences of individuals and groups in one particular ethnic group. Situated at the heart of our program are matters of race, racism, racialization, and power; the viscous nature of ethnic identity development and performance; and interactions among groups. Resident faculty hold expertise in many aspects of ethnic studies including history, religion, visual and media culture, gender, and interdisciplinary studies. Community faculty bring their applied work experience into the classroom. In addition, the department participates in a number of community/university partnership activities which provide students with unique learning opportunities.

A degree in Ethnic Studies enables individuals to gain a significant level of knowledge and understanding of African Americans, Asian Americans, Latino/a Americans, American Indians; enables individuals to communicate cross culturally; equips individuals with skills in research, design, and data collection to benefit their community;

engages individuals in critical thinking using interdisciplinary frameworks; promotes community centered, experiential, participatory, and cooperative learning; prepares individuals to make a genuine contribution to the development of a pluralistic society.

The Ethnic Studies Department resident and community faculty are committed to a culturally plural and equitable society. The faculty infuse a blend of life experience with scholarship, offering students a unique academic experience. Our coursework converges at the intersections of race, religion, gender, class, and sexuality in the shaping of perspectives and life chances. Students learn the following: how to navigate among the multiple covert and overt past, present, and future discourses of race and ethnicity; how to practically apply knowledge and be cultural critics and critical consumers of popular culture; and how to be life-long learners, cultural bridges, and influential in promoting a more equitable society.

The ethnic studies major has two tracks: the cross-cultural comparative track and the individualized track. Students can choose the major track which most fits their programmatic interest. All tracks require students to complete the core courses listed below. The individualized track must be designed in consultation with the student's advisor and approved by the Ethnic Studies Department. The design of the major and minor also enables students to include credits earned at other institutions and classes offered by other departments at Metropolitan State University.

Acceptance to the Program

To be eligible for acceptance to the Ethnic Studies major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with a faculty advisor before enrolling in courses toward the major.

Requirements (36 total credits)

Core Courses (16 credits are required for both tracks)

- [ETHS 100 Introduction to Ethnic Studies](#)
- [ETHS 200 Theories of Race, Ethnicity and Culture](#)
- [ETHS 400 Applied Research for Social Change](#)
- [ETHS 499 Ethnic Studies Capstone](#)

Cross-cultural Comparative Track

This track is designed for students desiring a traditional ethnic studies major. In addition to the required core courses, the major includes three comparative courses and two ethnic specific courses.

Core Courses (16 credits)

Three of the following courses (12 credits):

- [ETHS 302 Immigrant Communities and the Trajectories of Othering](#)
- [ETHS 303 Politics of Resistance and Protest Movements](#)
- [ETHS 304 Environmental Justice and Public Policy](#)
- [ETHS 305 Major Issues in U.S. Race Relations](#)
- [ETHS 306 Politics of Mixed Racial Identity](#)
- [ETHS 309 Race and Public Policy](#)

- [ETHS 311 Understanding Racial and Ethnic Groups in the United States](#)
- [ETHS 315 Color of Incarceration](#)
- [ETHS 316 Race and Religion \(overlap with RELS 333\)](#)
- [ETHS 318 Trauma and Traumascape: Identity, Legacy, and Memory](#)
- [ETHS 380 Special Topics in Ethnic Studies](#)

Two courses in one of the following area studies (8 credits):

Black Studies

- [ETHS 244 African Americans in Minnesota](#)
- [ETHS 342 Contemporary Issues in Black Studies](#)
- [ETHS 370 Black Intellectual Thought](#)

Approved Courses in Other Departments

- [HIST 311 African American History](#)
- [HIST 315 The Civil Rights Movement in the 1960s](#)
- [LIT 362 Black Women Writers](#)

American Indian/Native Studies

- [ETHS 232 American Indians in Minnesota](#)
- [ETHS 332 Topics in Contemporary Native North America](#)
- [ETHS 334 American Indian Spirituality \(overlap with RELS 322\)](#)
- [ETHS 335 American Indian Nations: Law, Power and Persistence](#)

Approved Courses in Other Departments

- [HIST 310 American Indian History](#)
- [LIT 363 American Indian Literature](#)
- [OJIB 100 Ojibwe Culture and Language](#)

Asian American Studies

- [ETHS 262 Asian Americans in Minnesota](#)
- [ETHS 361 History of Asian Americans](#)
- [ETHS 363 Asian American Women: Myths and Realities](#)

Students may also take other Asian and Asian American courses offered by the Ethnic Studies department and other departments.

Latina/o Studies

- [ETHS 250 Social and Cultural Ecologies of Latinas/os in the United States](#)
- [ETHS 252 Latinas/os in Minnesota](#)
- [ETHS 352 Latina/o Cultural Politics](#)
- [ETHS 354 Latina/o Gender and Sexuality](#)

Individualized Track

This track is designed for students wanting an individualized learning program in the ethnic studies major. In addition to the required core courses, 20 credit hours must be upper-division level courses. Students who declare an individualized track must consult with their advisors, complete an individualized track application and submit it to the Ethnic Studies Department. The application must be submitted to the department for review and approval no later than the fourth week of the semester. Students receive notification of their application's status no later than the eighth week of the semester in which they are submitted. If the department recommends revisions, the student is notified in writing with a timeline for resubmission. A student's individualized track must be approved by the department prior to the end of the semester of submission.

Ethnic Studies Minor

Requirements (20 total credits)

Core Courses (8 credits)

- [ETHS 100 Introduction to Ethnic Studies](#)
- [ETHS 200 Theories of Race, Ethnicity and Culture](#)

Comparative Courses (8 credits)

Select eight credits (two courses) from the following list.

- [ETHS 302 Immigrant Communities and the Trajectories of Othering](#)
- [ETHS 303 Politics of Resistance and Protest Movements](#)
- [ETHS 304 Environmental Justice and Public Policy](#)
- [ETHS 305 Major Issues in U.S. Race Relations](#)
- [ETHS 306 Politics of Mixed Racial Identity](#)
- [ETHS 309 Race and Public Policy](#)
- [ETHS 311 Understanding Racial and Ethnic Groups in the United States](#)
- [ETHS 315 Color of Incarceration](#)
- [ETHS 316/RELS 333 Race and Religion](#)
- [ETHS 318 Trauma and Traumascaping: Identity, Legacy, and Memory](#)
- [ETHS 380 Special Topics in Ethnic Studies](#)

Area Studies Courses (4 credits)

Select 4 credits from one Group-Specific focus area below. Students may not mix and match courses from different groups to fulfill this requirement. Please note not all courses are offered every term and some are less than 4 credits.

- Black Studies
 - [ETHS 244 African Americans in Minnesota](#) (2 credits)
 - [ETHS 342 Contemporary Issues in Black Studies](#)

- [ETHS 370 Black Intellectual Thought](#)
Approved Courses in Other Departments
- [HIST 311 African American History](#)
- [HIST 315 Civil Rights Movement in the 1960s](#)
- [LIT 362 Black Women Writers](#)
- American Indian Studies
 - [ETHS 232 American Indians in Minnesota](#) (2 credits)
 - [ETHS 332 Topics in Contemporary Native North America](#)
 - [ETHS 335 American Indian Nations: Law, Power and Persistence](#)
 - [ETHS 334/RELS 322 American Indian Spirituality](#)
Approved Courses in Other Departments
 - [HIST 310 American Indian History](#)
 - [LIT 363 American Indian Literature](#)
 - [OJIB 100 Ojibwe Culture and Language](#)
- Asian American Studies
 - [ETHS 262 Asian Americans in Minnesota](#) (2 credits)
 - [ETHS 361 History of Asian Americans](#)
 - [ETHS 363 Asian American Women: Myths and Realities](#)
- Latina/o Studies
 - [ETHS 250 Social and Cultural Ecologies of Latinas/os in the United States](#)
 - [ETHS 252 Latinas/os in Minnesota](#) (2 credits)
 - [ETHS 352 Latina/o Cultural Politics](#)
 - [ETHS 354 Latina/o Gender and Sexuality](#)

Experimental Intermedia Arts Minor

The study of intermedia arts combines the traditional artistic disciplines of music, dance, theater and the visual arts with creative writing and emerging media art forms such as video, film, computer-assisted multimedia and the electronic arts. Intermedia arts studies allow students to probe more deeply into the nature of their own creativity and to discover how their skills, knowledge and character might be applied to develop scholarly or creative intermedia projects. Perspectives gained through the study and practices of experimental intermedia arts can offer a range of benefits to students from the acquisition of enhanced personal creativity and self-confidence to a professional portfolio of performances and creative work.

Students in the experimental intermedia arts are able to engage materials, ideas and situations from personal perspectives and form them into original intermedia art works. They study the theories, techniques and development of the intermedia arts through historical examination of an assortment of sources from documentary to original intermedia productions, exhibitions and performances.

Requirements (20 total credits)

- [MUSC 330 Experimental Music](#) or [MUSC 322 Topics in Music](#)
- [IMDA 340 Intermedia Arts](#)
- [IMDA 352 Creativity](#)
- [IMDA 430 Collaboration](#)

- [IMDA 459 Creative Project Capstone](#)

Finance Major BS

Finance is application of tools and concepts from mathematics, statistics, and economics to financial decision making. Solid preparation in these areas should precede finance courses. When choosing courses to meet general education and liberal studies requirements, and when choosing electives, students planning to major in finance should choose courses that use mathematics and courses that sharpen writing skills.

Acceptance to the Program

To be eligible for acceptance to the Finance major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The finance program consists of six parts:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting](#)

3. Business Core Courses (24 credits)

- [MKTG 300 Marketing Principles](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)

- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)
- [MGMT 499 Case Studies in Strategic Management](#)

4. **Finance Major Required Courses (8 credits)**

- [FIN 392 Corporate Finance](#)
- [FIN 511 Investments and Portfolio Analysis](#)

5. **Finance Major Elective Courses** (16 credits required: any four of the following courses)

- [FIN 496 Financial Derivatives](#)
- [FIN 550 International Finance](#)
- [FIN 560 Financial Markets and Institutions](#)
- [FIN 595 Advanced Corporate Finance](#) (formerly titled Strategic Finance)
- [ACCT 310 Financial Reporting](#)
- [ACCT 515 Financial Statement Analysis](#)
- [ECON 420 Money, Banking and Financial Institutions](#)
- [ECON 352 Intermediate Microeconomics](#)
- [ECON 497 Economic Research and Forecasting](#)
- [MATH 301 Introduction to Analysis](#)
- [MATH 315 Linear Algebra and Applications](#)
- [MATH 340 Mathematical Modeling](#)
- [MATH 450 Operations Research](#)
- Another upper-division course approved by the finance area coordinator.

6. **Unrestricted electives as needed to total a minimum of 120 credits.**

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Requisite Footnotes

- FIN 392 is a **co-requisite** for FIN 511, FIN 560 and FIN 595. (To enroll in FIN 511, FIN 560 or FIN 595, a student must either first complete FIN 392, or be concurrently enrolled in FIN 392.)
- FIN 392 is a **prerequisite** for FIN 496.
- ACCT 310 is **not** a prerequisite for FIN 595, although it was at one time.
- ACCT 310 is a **prerequisite** for ACCT 515.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- The course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Gender Studies Major BA

Gender studies offers students an interdisciplinary examination of the role of gender across the spectrum of human experience. The program investigates how gender functions and shapes the lives and experiences of women and men, including the institutional, social, and scientific forces that create meaning around gender, the struggles and achievements of women across cultures and time, and the study of GLBT (gay, lesbian, bisexual and transgender) identity and communities.

Courses in the gender studies program invite students to explore topics such as: the social construction of femininity and masculinity from both historical and contemporary perspectives; the intersections of gender with race, class, religion, nationality, age, sexual orientation and other social categories; gender and the body; gender and sexual identity as organizing factors in social institutions and creative production; gender within international contexts; and feminist theory.

The gender studies program consists of a core set of courses taught by faculty from a variety of disciplines as well as electives from across the university. Students in the program build their understanding of gender through academic study as well as community-based learning and action. The curriculum as a whole enables students to develop the analytic and communication skills crucial to professional success, while at the same time deepening their understanding of the history and contemporary dynamics of gender.

Acceptance to the Program

To be eligible for acceptance to the Gender Studies major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with a faculty advisor before enrolling in courses toward the major.

Prerequisite (2 credits)

- [INFS 115 Information Access](#)

Requirements (36 total credits)

- At least half of the credits for the major must be completed at Metropolitan State University.
- Up to 12 lower division credits (100 and 200 level courses) may be applied to the major.
- Students should select electives in consultation with a program advisor.
- Transfer courses may be applicable to major requirements. The university's degree audit will specify transfer courses that are directly equivalent to major requirements; other transfer courses must be approved by a faculty advisor in the program or one of the coordinators of the Gender Studies Program.

Core Courses

- [GNDR 201 Introduction to Gender and Women's Studies](#)
- [GNDR 270 Gender, Race, and Popular Culture](#)
- [GNDR 345 Global Perspectives on Gender](#) (must be taken at upper division level)
- [GNDR 365 The Cultural Politics of GLBT Sexuality](#)
- [GNDR 501 Theories and Methodologies in Gender Studies](#)
- [GNDR 402 Gender Studies Capstone](#) Currently offered only as a Student-designed Independent Study: Students must enroll with an individual program faculty member supervising their capstone after the completion of GNDR 501)

Electives (to reach 36 credits)

- [ANTH 302 Gender and Culture](#)
- [BIOL 106 Biology of Women](#)
- [CJS 318 Women and Crime](#)
- [COMM 321 Gender, Sport and Communication in the U.S.](#)
- [ECON 315 Economics of Diversity](#)
- [ETHS 354 Latina/o Gender and Sexuality](#)
- [ETHS 363 Asian American Women: Myths and Realities](#)
- [GNDR 300 Topics in Gender Studies](#)
- [GNDR 220 Introductory Topics in Gender Studies](#)
- [GNDR 350I Gender Studies Internship](#)
- [GNDR 369 GLBT Issues in Literature and Film](#)
- [HIST 309 Women and Public Activism](#)
- [HIST 328 Women in Modern U.S. History](#)
- [HIST 339 History of Sexuality: Modern Perspectives](#)
- [HIST 357 Gender in Early Modern Europe](#)
- [HIST 394 Comparative Women's History](#)
- [HIST 451 American Women's Movements](#)

- [IDST 330 Women in Math, Science and Technology](#)
- [LING 346 Language and Gender](#)
- [LIT 312 Women Writers](#)
- [LIT 315 Gender in Literature and Film](#)
- [LIT 362 Black Women Writers](#)
- [PHIL 306 Philosophy and Sexuality](#)
- [POL 332 Gender and the Law](#)
- [PSYC 331 Psychology of Men](#)
- [PSYC 335 Psychology of Women](#)
- [PSYC 367 Human Sexuality](#)
- [RELS 377 Women and Religion](#)
- [SOC 317 Women in Minnesota Life: Education, Politics and Social Change](#)
- [SOC 325 Body Politics](#)
- [WRIT 231 Writing II](#)

Gender Studies Minor

The minor in Gender Studies allows students to study gender and sexuality while pursuing a major in another area. Students majoring in psychology, human services, law enforcement and many other disciplines who minor in gender studies gain practical and theoretical knowledge that helps prepare them for a diverse workplace.

Requirements (19-20 credits)

- At least half of the credits required for the gender studies minor must be completed at Metropolitan State including at least one core course.
- Up to 9 lower division credits (100 and 200 level courses) may be applied to the minor.
- Transfer courses may be applicable to minor requirements. The university's degree audit will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by one of the coordinators of the Gender Studies Program.

Core Courses (7-8 credits required)

- [GNDR 201 Introduction to Gender and Women's Studies](#)
- And one of the following courses:
 - [GNDR 270 Gender, Race, and Popular Culture](#)
 - [GNDR 345 Global Perspectives on Gender](#) (must be taken at upper division level)
 - [GNDR 365 The Cultural Politics of GLBT Sexuality](#)

Electives (12 credits)

- [ANTH 302 Gender and Culture](#)
- [BIOL 106 Biology of Women](#)
- [CJS 318 Women and Crime](#)

- [COMM 321 Gender, Sport and Communication in the U.S.](#)
- [ECON 315 Economics of Diversity](#)
- [ETHS 354 Chicana/o Gender and Sexuality](#)
- [ETHS 363 Asian American Women: Myths and Realities](#)
- [GNDR 220 Introductory Topics in Gender Studies](#)
- [GNDR 270 Gender, Race and Popular Culture](#)
- [GNDR 300 Topics in Gender Studies](#)
- [GNDR 345 Global Perspectives on Gender](#)
- [GNDR 350I Gender Studies Internship](#)
- [GNDR 365 The Cultural Politics of GLBT Sexuality](#)
- [GNDR 369 GLBT Issues in Literature and Film](#)
- [GNDR 402 Gender Studies Capstone](#)
- [GNDR 501 Theories and Methodologies in Gender Studies](#)
- [HIST 309 Women and Public Activism](#)
- [HIST 328 Women in Modern U.S. History](#)
- [HIST 339 History of Sexuality: Modern Perspectives](#)
- [HIST 357 Gender in Early Modern Europe](#)
- [HIST 394 Comparative Women's History](#)
- [HIST 451 American Women's Movements](#)
- [HSER 307 Gender Violence in Global Perspective](#)
- [IDST 330 Women in Math, Science and Technology](#)
- [LING 346 Language and Gender](#)
- [LIT 312 Women Writers](#)
- [LIT 315 Gender in Literature and Film](#)
- [LIT 362 Black Women Writers](#)
- [PHIL 306 Philosophy and Sexuality](#)
- [POL 332 Gender and the Law](#)
- [PSYC 331 Psychology of Men](#)
- [PSYC 335 Psychology of Women](#)
- [PSYC 367 Human Sexuality](#)
- [RELS 377 Women and Religion](#)
- [SOC 317 Women in Minnesota Life: Education, Politics and Social Change](#)
- [SOC 325 Body Politics](#)
- [WRIT 231 Writing II](#)

Gerontology Minor

The gerontology minor has four required core courses and one course elective. Students without experience in this area are strongly urged to do an internship for their elective. Students may use alternative learning strategies to satisfy up to eight required credits. Four credits in general education/liberal studies may be used to meet minor requirements. This minor fits well with other majors including social work and psychology.

Required (20 total credits)

Required Core Courses (16 credits)

- [HSG 374 Aging in America: A Personal Challenge](#)
- [HSG 376 Mental Health and Aging](#)
- [HSG 377 Physical Health and Aging](#)
- [HSG 380 Aging: Planning and Policy Making](#)

Elective Courses (4 credits from the following)

- [HSA 362 Human Services Administration](#)
- [HSA 369 Program Evaluation](#)
- [HSDS 308 Aging and Disabilities](#)
- [HSER 352 Family Counseling](#)
- [HSER 354 Ethical Issues in Human Services](#)
- [HSFS 399 Selected Topics in Family Assistance](#)
- [HSG 378 Thanatology: The Study of Death and Dying](#)
- [HSG 383 Selected Topics in Gerontology](#)
- [HSTD 393 Training Design and Instruction](#)

History Major BA

The study of history helps students to develop skills, such as reading comprehension, analysis, cross-cultural comparison and written argumentation that are useful in a range of careers and avocations. The practice of law, political activity, policy studies, library science and museum work are careers that commonly follow from a collegiate study of history. However, the usefulness of historical study is far greater than that of training individuals for a small number of occupations. All citizens -- of this country and of the world -- have good reason to learn history and to learn about the nature of history. In all classes, students come to see that, as both the powerful and the powerless have learned over and over, history is not a perfectly objective chronicle of the past, but rather an interpretation of that past. It is always partial. It can be no other way. Still, these interpretations sometimes appear merely to tell the simple truth -- just the facts. Perhaps this illusion of objectivity is the source of history's power; perhaps this is why so many have concluded that so much is at stake in the question of who gets to write history and how. We are all a part of history, and in that sense, we understand ourselves only to the extent that the tellers of history allow us to do so. At the same time, historical education broadens students' knowledge and perspective, as they learn about people and places far removed from their own experiences. Thus, a goal in history classes is to empower students to develop a discerning eye on the stories about the past that are presented as the simple truth.

Acceptance to the Program

To be eligible for acceptance to the History major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Requirements (38 total credits)

Each course can meet only one major requirement.

Introductory Level Requirements (10 credits)

- HIST 301 Historical Interpretation (4 credits)
- Introductory Level Electives (2 courses, 6 credits); 100- or 200-level courses or HIST 302-309 fulfill this requirement.

Upper-division Level (24 credits)

- Courses numbered HIST 302 and above are considered upper-division courses.
- Outside U.S. History (2 courses, 8 credits).
 - Subject matters in this category include international or comparative history. (See list below.)
- Women's/Gender History (1 course, 4 credits).
- Electives (2 courses, 8 credits)
 - Upper-division level courses in any geographical area or field are appropriate.
- HIST 401 Topics Proseminar
 - Additional offerings of HIST 401 may be used as upper division electives, so long as each offering used is on a unique subject.

Capstone Level (4 credits)

- HIST 490 Historian as Investigator: Historical Research

Transfer Credits

Students can transfer up to 16 credits to meet major requirements with courses designated as history only. Students cannot transfer courses from other disciplines, including multidisciplinary programs, to meet major requirements.

History Minor

Requirements (19 total credits)

Each course can meet only one major requirement.

Introductory Level (4 credits)

- HIST 301 Historical Interpretation

Introductory Level Electives (1 course, 3 credits)

- 100 or 200 level U.S. history, western civilization or world history or Metropolitan State courses: HIST 302-309

Upper-division Level: Women's/Gender History (1 course, 4 credits)

- One course in women's history (See the list below.)

Upper-division Level: Electives (2 courses, 8 credits)

Upper-division level courses in any geographical area and field are appropriate. (HIST 490 is not required but students may choose to take this course in place of an upper-division course.)

Transfer Credits

Students can transfer up to 8 credits to meet minor requirements with courses designated as history only. Students cannot transfer courses from other disciplines, including multidisciplinary programs to meet major requirements.

Partial Listing of Lower-division Courses

- [HIST 101 The American Past: To 1865](#)
- [HIST 102 The American Past: From 1865](#)
- [HIST 103 World History I: Patterns of Civilization to 1500](#)
- [HIST 104 World History II: The Modern World, 1500 to Present](#)

Partial Listing of Courses between HIST 302 and 309

Though they are numbered above 302, if you choose, these courses can be used to fulfill the introductory level elective requirement.

- [HIST 303 U.S. Economic Life: Business](#)
- [HIST 304 U.S. Economic Life: Working People](#)
- [HIST 305 U.S. Economic Life: Technology](#)
- [HIST 309 Women and Public Activism](#)

Partial Listing of Upper-division Topics Courses

- [HIST 310 American Indian History](#)
- [HIST 311 African American History](#)
- [HIST 312 Beginnings of American Society: Colonial and Revolutionary History](#)
- [HIST 313 American Presidents](#)
- [HIST 315 Civil Rights Movement in the 1960s](#)
- [HIST 320 History of Asian Americans](#)
- [HIST 327 American History at the Movies](#)
- [HIST 328 Women in Modern U.S. History](#)
- [HIST 329 Legacies: History of Women and the Family](#)
- [HIST 331 Religion and Politics in America](#)
- [HIST 333 The Greening of America: Environmental History Since 1900](#)

- [HIST 334 The Great Depression of the 1930s](#)
- [HIST 336 The American Half-century: U.S. History Since World War II](#)
- [HIST 337 U.S. Foreign Relations, World War I to the Present](#)
- [HIST 341 The Vietnam War](#)
- [HIST 342 The Sixties Experience](#)
- [HIST 344 From Reagan to Obama: America Since 1980](#)
- [HIST 346 Minnesota History](#)
- [HIST 350 Europe: Creation and Conflict, 1500-1789](#)
- [HIST 351 Europe: The Global Power](#)
- [HIST 354 History of the Holocaust](#)
- [HIST 355 Problems of Contemporary Europe in Historical Perspective](#)
- [HIST 357 Gender in Early Modern Europe](#)
- [HIST 361 Africa: From Ancient Times to 1800](#)
- [HIST 362 Africa: From Colonialism to Independence](#)
- [HIST 363 World Environmental History](#)
- [HIST 370 Behind the Great Wall: The Real China](#)
- [HIST 371 Understanding Modern Japan](#)
- [HIST 372 History of Japanese Popular Culture](#)
- [HIST 382 Latin American History I: to 1910](#)
- [HIST 383 Latin American History II: 1910 to Present](#)
- [HIST 394 Comparative Women's History](#)
- [HIST 395 The Rise and Fall of Communism](#)
- [HIST 398 World War II: A Global History](#)
- [HIST 490 Historian as Investigator: Historical Research](#)

Women's/Gender History

- [HIST 309 Women and Public Activism in the United States](#)
- [HIST 328 Women in Modern U.S. History](#)
- [HIST 329 Legacies: History of Women and the Family](#)
- [HIST 339 History of Sexuality: Modern Perspectives](#)
- [HIST 357 Women in Early Modern Europe](#)
- [HIST 394 Comparative Women's History](#)

Faculty-designed Independent Studies

Any upper-division course can be offered as a faculty-designed independent study.

Internships

Students may make use of internships in their programs of study. The History Department encourages serious and disciplined history minors to participate in internships which are well designed and academically beneficial. The department will sponsor one internship per student. An internship will be counted as a 3 credit-hour history course (HIST 350). For further inquiries contact the Department Chair, Kathleen Laughlin, at kathleen.laughlin@metrostate.edu or call her at 651-793-1433. The department address is History Department, Metropolitan State University, 700 East Seventh Street, Saint Paul, Minnesota, 55106-5000, the fax number is 651-793-1446.

Hospitality Management Major BAS

This BAS program is designed to build on specific related AAS programs offered primarily by technical colleges. Therefore this AAS is only available to students who have completed specific related AAS programs approved by an official articulation agreement between Metropolitan State and the college offering the AAS degree.

The hospitality industry is one of the fastest growing in Minnesota and in the nation, and includes not only leisure-time and vacation activities, but also the work-related travel requirements of business and government employees. The goal of this program is to educate and equip students to move from entry-level positions to strategic managerial positions, and to build their abilities to contribute to the profitability of an organization.

Acceptance to the Program

To be eligible for acceptance to the Hospitality Management major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- The approved AAS degree specified in the approved articulation agreement
- GPA of 2.5 or higher in AAS
- COM Foundation Courses with a grade of C-, S or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The degree requirements have five components:

1. **General Education and Liberal Studies**

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. **COM Foundation Courses (22 credits)**

To complete this BAS in 120 credits, you must successfully complete the first three courses (MIS 100, MATH 115, and STAT 201) or equivalent courses as part of your AAS degree.

- [MIS 100 Fundamentals of Information Technology in Organizations*](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting*](#)

3. **Business Core Courses (24 credits)**

- [MKTG 300 Marketing Principles*](#)
- [MGMT 310 Management Principles and Practices](#)

- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)

4. Required Courses

- [MGMT 370 Hotel and Restaurant Chain Management](#)
- [MKTG 371 Travel and Tourism Marketing](#)
- [MKTG 350I Marketing Individual Internship](#)

5. Capstone (Choose one of the following)

- [ENTR 490 Challenges and Choices in Small Business and Entrepreneurship](#) or
- [MGMT 499 Case Studies in Strategic Management](#)

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Human Resource Management Major BS

The human resource management (HRM) major prepares students for professional career opportunities in business, government and nonprofit organizations. Current management thought and practice emphasizes the importance of human capital in the strategic management of organizations. The HRM courses incorporate this strategic management perspective into policies and programs in functional areas of HRM including staffing, compensation, benefits, employee development, employee relations, labor relations and related areas.

Many of the HRM courses are appropriate for general managers as well as HRM professionals. In addition, courses meet the needs of both degree-seeking students and those who want to continue their education for professional development purposes.

This program can be completed on campus, online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Acceptance to the Program

To be eligible for acceptance to the Human Resource Management major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The human resource management program includes courses in six areas:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting](#)

3. Human Resource Management Core Courses (24 credits)

- [MGMT 310 Management Principles and Practices](#)
- [MGMT 320 Organizational Behavior](#)
- [MKTG 300 Marketing Principles](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Financial Management](#)
- [MGMT 499 Case Studies in Strategic Management](#)

4. Human Resource Management Required Courses (20 credits)

- [HRM 310 Human Resource Management: A Strategic Framework](#)
- [HRM 520 Staffing Organizations](#)
- [HRM 530 Employee Development and Training](#)
- [HRM 540 Compensation Management](#)
- [HRM 544 Employee Benefits Management](#)

5. Human Resource Management Electives (4 credits)

- [ECON 313 Labor Economics](#)
- [MGMT 360 Managing a Diverse Workforce](#)
- [HSTD 393 Training Design and Instruction](#)
- [HRM 330 Personnel and Industrial Psychology](#)
- [HRM 370 Employment Law](#)
- [HRM 380 Managing Employee Health and Safety](#)
- [HRM 550 Employee/Labor Relations](#)
- [HRM 585 International Human Resource Management](#)

6. **Unrestricted electives as needed to total a minimum of 120 credits.**

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- the course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Human Resource Management Minor

Human Resource Management (HRM) is a growing career field. Students who wish to work as HRM professionals are encouraged to major or minor in HRM. In addition, all managers and professionals in organizations benefit from an understanding of how to effectively utilize human capital. The Human Resource Management minor

provides an understanding of HRM philosophy, trends, policies and practices to equip students in other majors with the necessary knowledge and skills to become effective managers and leaders in business, public and nonprofit organizations. The HRM courses include both theory and practice and focus on the achievement of organizational objectives through effective management of human resources.

This minor is designed for students with majors in diverse areas. It will be relevant to students majoring in business administration, management, marketing, accounting, finance, MIS, and international business, as well as students in law enforcement, nursing, human services administration, nonprofit administration and other related fields.

This program can be completed on campus, online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Requirements (20 credits)

Required Courses

- [MGMT 310 Management Principles and Practices](#)
- [MGMT 320 Organizational Behavior](#)
- [HRM 310 Human Resource Management: A Strategic Framework](#)
- [HRM 370 Employment Law](#)

Electives

One of the following courses:

- [HRM 520 Staffing Organizations](#)
- [HRM 530 Employee Development and Training](#)
- [HRM 540 Compensation Management](#)
- [HRM 544 Employee Benefits Management](#)

Human Services Administration Minor

The human services administration minor requires 20 credits with two main components:

- students with extensive experience in administration and supervision may receive credits through the assessment of prior learning process or take an additional elective course; and
- Two courses can be selected from a series of courses that are in human services and related program areas.

Required (20 total credits)

Core Courses (12 credits)

Three courses are required to acquaint students with the theoretical underpinnings of supervision and administration.

- [HSA 362 Human Services Administration](#)
- [HSA 369 Program Evaluation](#)
- [HSA 370 Supervision in Human Services](#)

Elective Courses (8 credits from the following)

- [HSA 363 Development, Marketing and Grant Writing](#)
- [HSER 354 Ethical Issues in Human Services](#)
- [HSER 357 Behavior Modification](#)
- [HSTD 389 Organizational Development and Change](#)
- [HSTD 390 Conflict Resolution](#)
- [HSTD 393 Training Design and Instruction](#)
- [HSTD 394 Staff Training and Adult Development](#)
- [HSTD 397 Career Pathing](#)
- [HSTD 498 Human Services Organization Consulting Approaches and Techniques](#)
- [PSYC 314 Group Dynamics and Facilitation](#)

Human Services Major BHS

The Bachelor of Human Services (BHS) Human Services major gives students the freedom and latitude to tailor their degree programs to meet professional and career development needs in a targeted area of human services. It has been designed with required core human services content areas and related electives, the BHS program ensures that Metropolitan State University human services graduates have a sufficient complement of theoretical knowledge and practical training for entry as a professional in the field.

Degree Planning/Starting Out

Students must attend a university orientation session and a human services program information meeting. This program planning information meeting presents curriculum content and provides information about what students need to complete, taking transcripted credits into consideration. Students entering the program with a large number of undergraduate credits may have more flexibility in subject matter choices.

Students should attend the university's new student orientation session before making an appointment with advisors for degree planning. Generally, degree planning is completed in [HSER 355 Introduction to Human Service: History and Trends](#) which is required for all entering human services students.

Acceptance to the Program

To be eligible for acceptance to the Human Services BHS major, students must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Human Services Capstone Seminar](#)

Practica (5 credits)

Experiential (practica) experience is a vital component of the human services degree program. Every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites for program admission)
- Required core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- Practica in human services organization(s)
- Minor course (if desired); and
- Other electives

Concentrations

Students acquire a more specialized professional education because the degree program incorporates concentration areas, which emphasize specific areas of service in the following areas:

- [Human Services Administration](#)
- [Corrections](#)
- [Disability Studies](#)
- [Family Studies](#)
- [Gerontology](#)
- [Training and Adult Development](#)
- [Violence Prevention and Intervention](#)

Human Services Administration

The Human Services Administration concentration (53 credits) focuses on preparation for various administrative positions in a range of public and private nonprofit human service organizations. This area provides knowledge and skills for people who are, or intend to be, involved in planning, organizing, monitoring, evaluating, or coordinating social service programs or agencies. The core of any administration curriculum includes basic knowledge in the areas of accounting/budgeting, communication, computer applications, public relations/marketing, supervision and personnel administration. General courses in these areas can be found under accounting, information and computer sciences, management, marketing management and communications, writing, speech communication and human resource management.

The human services administration curriculum also includes basic knowledge in areas unique to nonprofits, such as organizational management, volunteer management, program management, fund-raising, legal issues and governance. This program area contains courses and independent studies specifically applicable to administration in human services organizations.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)

- [HSER 455 Capstone Seminars in Human Services](#)

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)
- Minor program courses (if desired); and
- Other electives

Human Services Administration Requirements (28 credits)

In addition to the prerequisites, required courses and practicum, this concentration requires the following.

- [HSER 354 Ethical Issues in Human Services](#)
- [HSA 362 Human Services Administration](#)
- [HSA 363 Development, Marketing and Grant Writing](#)
- [HSA 369 Program Evaluation](#)
- [HSA 370 Supervision in Human Services](#)
- [HSTD 390 Conflict Resolution](#)
- [HSTD 393 Training, Design and Instruction](#)

Recommended Elective Courses

- [HSTD 389 Organizational Development and Change](#)
- [PSYC 314 Group Dynamics and Facilitation](#)
- [HSTD 395 Disability and Career Development](#)
- [HSTD 397 Career Pathing](#)

Human Services Corrections

The concentration in human services/corrections (53 credits) is a combination of subjects designed to give students a conceptual and practical understanding of how to directly provide social services for adult and juvenile offenders in community and institutional correctional settings. The subjects specified in this individualized degree emphasize general helping skills, assessment, intervention strategies, behavior modification, and case management and rehabilitation techniques. In addition, students with experience in court services, adult and juvenile corrections have the option to use prior volunteer or work experience to satisfy some of the core subjects.

Courses in corrections are appropriate for students interested in community and institutional corrections. Students concerned about the correctional system as a social justice issue can explore this concern through this program. Students who wish to become corrections professionals in the public and private sectors will develop knowledge and skills in the humanities, communications, political science, counseling and intervention, human services, law, management, human resource management, and psychology as well as in corrections studies. There is a great diversity in the degree of knowledge necessary for the many different careers associated with corrections.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Capstone Seminars in Human Services](#)

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)
- Minor program courses (if desired); and
- Other electives

Human Services Corrections Requirements (28 credits)

In addition to the prerequisites, core courses and practicum, this concentration requires the following.

- [HSCO 321 Juvenile Delinquency: Prevention and Intervention](#)
- [HSCO 325 Institutional Corrections: History and Future Trends](#)
- [HSCO 326 Community Corrections](#)
- [HSCO 327 Women Offenders in Correctional Facilities](#)
- [HSCO 332 Rehabilitation of the Public Offender](#)
- [CJS 101 Introduction to Criminal Justice](#)
- [HSER 301 Violence: Individual, Community and Global Responses](#)

Recommended Elective Courses

- [HSA 369 Program Evaluation](#)
- [HSCD 300 Chemical Dependency Concepts](#)
- [HSFS 338 The Family: Racial, Gender and Class Dimensions](#)
- [PSYC 300 Abnormal Psychology](#)
- [HSER 303 Disability Awareness](#)
- [HSER 358 Cross-Cultural Counseling](#)

Human Services Disability Studies

This concentration (49 credits) provides a comprehensive background of issues relevant to persons with disabilities throughout the life span. In addition, the Disability Studies curriculum is constructed to address policy issues which impact persons with disabilities. The BHS-DS concentration embraces the philosophy of the Disability Rights Movement that focuses on self-determination, civil rights, and culture.

The field of disability studies is relatively new and is an outgrowth of civil rights for persons with disabilities that led to the Americans with Disabilities Act of 1990. Disability Studies embraces similar philosophies of Women's

Studies, African American Studies, as well as ethnic and GLBT programs. Disability Studies represents a focus on empowerment, self-determination, and independence.

The disability studies concentration courses are currently offered online.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Human Services Capstone Seminar](#)

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)
- Minor program courses (if desired); and
- Other electives

Human Services Disability Studies Requirements Currently Offered Online (24 credits)

In addition to the prerequisites, core courses and practicum, this concentration requires the following.

- [HSDS 304 Introduction to Disabilities](#)
- [HSDS 305 Disability Rights: History and Current Trends](#)
- [HSDS 306 Community Resources and Services for Persons with Disabilities](#)
- [HSDS 307 Blind, Deaf Blind, and Deaf Culture, History, and Resources](#)
- [HSDS 308 Aging and Disabilities](#)
- [HSDS 400 Current Issues and Special Topics in Disability Studies](#)

Recommended Elective Courses

- [HSER 303 Disability Awareness](#)
- [HSER 309 Violence and Disability](#)
- [HSTD 395 Disability and Career Development](#)

Human Services Family Studies

The human services family studies concentration (49 credits) is designed to expose and engage students in a variety of topics related to family function, family structure and family dynamics. Family studies is a multidisciplinary area. It is informed by sociological, historical, anthropological, psychological and other emerging perspectives. Students learn that families are shaped by and adapt to a range of economic, political, cultural and psychological factors. A human services major with a focus in family studies appeals to those students considering working with families as their primary client group in either the public or private human service arena. The primary concern of the program is the social health of all families as well as interventions and policies for serving families.

The family studies course work is also available for those students who want to understand and contextualize their own family experience.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)

- In addition to the human services major requirements, students must complete the university's General education and liberal studies requirements

Required Core Courses (20 credits)

- HSER 355 Introduction to Human Service: History and Trends
- HSER 353 Social Casework Methods
- HSER 346 Counseling and Interviewing Skills
- HSER 395 Human Services and Diversity
- HSER 455 Human Services Capstone Seminar

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- HSER 320 Human Services Pre-Practicum Group Seminar
- HSER 331 Human Services Group Practicum and Seminar

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)
- Minor program courses (if desired); and
- Other electives

Human Services Family Studies Requirements (24 credits)

In addition to the prerequisites, core courses and practicum, this concentration requires the following.

- HSFS 143 The Family: A Social/Psychological Exploration
- HSFS 338 Family: Racial, Gender and Class Dimensions
- HSFS 339 Issues and Actions in Family Policy
- HSFS 341 Work and Family
- HSFS 342 Children in U.S. Society
- HSFS 399 Selected Topics in Family Assistance
(HSFS 399 has variable 2-8 credits depending on topic and may be taken up to four times.)

Recommended Elective Courses (16 credits)

- [HSCD 301 Chemical Dependence and the Family](#)
- [HSER 308 Family Violence Across the Lifespan](#)
- [HSER 352 Family Counseling](#)
- [HSA 369 Program Evaluation](#)

Human Services Gerontology

Metropolitan State has responded to the need for education in the field of gerontology (49 credits) by a concentration to address the social, psychological and physical aspects of aging. Students interested in gerontology as a career should also take courses in sociology, psychology, counseling, group work and grant writing, and complete an internship to gain practical experience. Other related areas are human resource development and the social sciences.

Interpersonal sensitivity-knowing one's value system and cultural and sexual identity and how they affect interactions with people of different cultures, gender, lifestyles and age levels-is necessary for students selecting gerontology as a vocational area.

Declaring Your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Human Services Capstone Seminar](#)

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)
- Minor program courses (if desired); and
- Other electives

Human Services Gerontology Requirements (24 credits)

In addition to the prerequisites, core courses and practicum, this concentration requires the following.

- [HSG 374 Aging in America: A Personal Challenge](#)
- [HSG 376 Mental Health and Aging](#)
- [HSG 377 Physical Health and Aging](#)
- [HSG 378 Thanatology: The Study of Death and Dying](#)
- [HSG 380 Aging: Planning and Policy Making](#) or
- [HSDS 308 Aging and Disabilities](#)
- [HSG 383 Selected Topics in Gerontology](#) or
- [HSG 384 Civic Engagement: Focus in Later Life](#)

Recommended Elective Courses

- [HSA 369 Program Evaluation](#)
- [HSA 362 Human Services Administration](#)
- [HSA 363 Development, Marketing and Grant Writing](#)
- [HSFS 399 Selected Topics in Family Assistance](#)
- [HSTD 389 Organizational Development and Change](#)
- [PSYC 314 Group Dynamics and Facilitation](#)

Human Services Training and Adult Development

The training and adult development concentration (49 credits) focuses on preparing individuals to assess employees' training needs, plan and coordinate training activities, and evaluate the effectiveness of training programs and activities within public and private organizations. The training and adult development major increases one's ability to work in any type of organization. The major is especially useful for a variety of fields, including corrections, human resources, law enforcement, general human services, nursing, psychology, social work and communications. Any student may take training and adult development courses without completing the entire major.

Declaring you Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses) **and**
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)
- In addition to the human services major requirements, students must complete the university's [General education and liberal studies](#) requirements

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Human Services Capstone Seminar](#)

Practicum (5 credits)

Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Degree Requirements

The degree programs consist of a minimum of 120 credits with at least 48 credits in human services, of which 40 credits must be upper division Metropolitan State University course work or competency demonstration. The degree programs have the following components:

- General education and liberal studies (including general psychology and introduction to sociology as prerequisites before or as you begin your major program coursework)
- A background check
- Required human services core courses (20 credits)
- Other required human services coursework, depending upon the concentration
- A practicum in human services organization(s)

- Minor program courses (if desired); and
- Other electives

Human Services Training and Adult Development Courses (24 credits)

In addition to the prerequisites, core courses and practicum, this concentration requires the following.

- [HSTD 386 Creative Problem-solving Concepts and Methods](#)
- [HSTD 389 Organizational Development and Change](#)
- [HSTD 390 Conflict Resolution](#)
- [HSTD 393 Training Design and Instruction](#) or
- [HSTD 394 Staff Training and Adult Development](#) or
- [HSA 369 Program Evaluation](#) or
- [HRM 310 Human Resource Management](#)
- [MDST 484 Social Media in the Enterprise](#) or
- [MDST 583 Online Education and Training](#)

Recommended Elective Courses

- [HSTD 498 Human Services Organization Consulting Approaches and Techniques](#)
- [HSTD 397 Career Pathing](#)
- [HSTD 399 The Changing Workplace](#)
- [PSYC 302 Adult Development and Lifelong Learning](#)
- [PSYC 314 Group Dynamics and Facilitation](#)
- [PSYC 385 Educational Psychology](#)
- [PSYC 327 Psychological Testing](#)

Human Services Violence Prevention

The Human Services Violence Prevention (VP) concentration (53 credits) is a multidisciplinary curriculum focusing on violence prevention and intervention. Because the prevention of violence requires efforts across so many disciplines, the HSVP concentration draws on a number of fields to prepare students to work in a broad range of human services. The HSVP concentration increases students' competence in a variety of fields including general human services, public health, corrections & criminal justice, public policy, education, sociology, psychology, social work and gender studies. These disciplines work together to promote effective prevention of and intervention in violence at the individual, family, and community levels. Students who are HSVP majors study not only the theories and dynamics of interpersonal violence, but various approaches to responding to and preventing violence as well.

Declaring your Major

To declare your major, you must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) or two Psychology courses.
- [SOC 101 Introduction to Sociology](#) or two Sociology courses.

Core Required Courses (20 credits):

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Human Services Capstone Seminar](#)

Practicum (5 credits)

In addition to the five core courses, a practicum is required. Experiential learning experience is an essential component of the human services degree program. Thus, every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Human Services Violence Prevention and Intervention Requirements (20 credits)

In addition to the prerequisite, core and practicum requirements, students must complete 20 credits as follows.

General requirements (8 credits)

- [HSVP 300 Violence: Origins and Explanations](#)
- [HSVP 301 Violence: Individual, Community and Global Responses](#)

Required VPI Electives (8 credits). Choose two of the following:

- [HSVP 302 Advocacy in Violence Prevention](#)
- [HSVP 307 Gender Violence in Global Perspective](#)
- [HSVP 308 Family Violence Across the Lifespan](#)
- [HSVP 309 Violence and Disability](#)

Research/Evaluation Requirement (4 credits). Choose one of the following:

- [HSER 368 Understanding and Using Research for the Practitioner](#)
- [HSA 369 Program Evaluation](#)
- [PSYC 312 Research Methods](#)

Interdisciplinary courses (8 credits). Choose two of the following courses:

- [HSCD 301 Chemical Dependency and the Family](#)
- [HSCD 306 Prevention of Substance Abuse](#)
- [HSCO 332 Rehabilitation of the Public Offender](#)
- [HSCO 326 Community Corrections](#)
- [HSCO 327 Women Offenders in Correctional Facilities](#)
- [HSCO 321 Juvenile Delinquency: Prevention and Intervention](#)
- [HSTD 390 Conflict Resolution](#)
- [CJS 346 Victimology](#)
- [CJS 333 Gangs](#)
- [CJS 354 Restorative Justice](#)
- [CJS 356 Urban Violence](#)
- [CJS 302 Juvenile Justice](#)
- [CJS 360 Diversity Issues in Criminal Justice](#)
- [PSYC 341 Violence and the Media: Psychological Effects of Film and Popular Music](#)
- [PSYC 333 Psychology of Victims](#)
- [ETHS 303 Politics of Resistance and Protest Movements](#)
- [ETHS 305 Major Issues in U.S. Race Relations](#)
- [SOC 303 Ethnic Conflict in Global Perspective](#)
- [SOC 306 Deviance and Social Control](#)
- [COMM 342 Conflict Mediation](#)
- [ETHS 318 Trauma & Traumasces: Identity, Legacy, & Memory](#)

Human Services Major BS

The Bachelor of Science (BS), Human Services major (53 credits) is for students interested in careers as helping professionals, broadly trained to provide direct service, advocacy, and coordination of services.

The following curriculum leads to the human services major. Students pursuing the human services major must demonstrate competence or complete at least one four-credit course in each of the following required core competence areas.

Acceptance to the Program

To be eligible for acceptance to the Human Services BS major, students must submit a College of Health, Community and Professional Services [Undergraduate Program Declaration Form](#). Consult with an advisor before submitting declaration form or enrolling in courses toward the major.

Prerequisites

- [PSYC 100 General Psychology](#) (or two psychology courses)
- [SOC 101 Introduction to Sociology](#) (or two sociology courses)

Required Core Courses (20 credits)

- [HSER 355 Introduction to Human Service: History and Trends](#)
- [HSER 353 Social Casework Methods](#)
- [HSER 346 Counseling and Interviewing Skills](#)
- [HSER 395 Human Services and Diversity](#)
- [HSER 455 Capstone Seminars in Human Services](#)

Competence Areas (28 credits)

The Human Services degree requires a selection from each of the following areas:

Governmental Relations and Public Policies

- [HSER 300 Violence: Origins and Explanations](#)
- [HSER 301 Violence: Individual, Community and Global Responses](#)
- [HSER 307 Gender Violence in Global Perspective](#)
- [HSFS 339 Issues and Actions in Family Policy](#)
- [POL 304 Social Movements in Global Perspective](#)

Chemical Dependency Prevention and Intervention

- [HSCD 100 Use and Abuse of Drugs: An Introduction](#)
- [HSCD 300 Chemical Dependency Concepts](#)
- [HSCD 306 Prevention of Substance Abuse](#)
- [HSCD 301 Chemical Dependency and the Family](#)

Human Growth and Social Development

- [HSCD 308 Adolescent Chemical Dependency](#)
- [HSER 350 Issues in Adolescent Counseling](#)
- [PSYC 308 Child Psychology](#)
- [PSYC 311 Life Span Developmental Psychology](#)
- [PSYC 336 Social Psychology](#)

Research Methodology

- [HSA 369 Program Evaluation](#)
- [PSYC 307 Data/Statistical Analysis for the Behavioral Sciences](#)
- [PSYC 312 Research Methods](#)

Family Dynamics

- [HSER 352 Family Counseling](#)
- [HSFS 338 Family: Racial, Gender and Class Dimensions](#)
- [HSFS 143 The Family: A Social/Psychological Exploration](#)
- [PSYC 313 Family Systems](#)

Group and Community Dynamics

- [HSER 348 Group Counseling](#)
- [HSTD 389 Organizational Development and Change](#)
- [HSTD 390 Conflict Resolution](#)
- [HSTD 393 Training, Design and Instruction](#)
- [PSYC 314 Group Dynamics and Facilitation](#)
- [PSYC 363 Community Psychology](#)

Human Services Program Planning and Management

- [HSA 362 Human Services Administration](#)
- [HSA 363 Development, Marketing and Grant Writing](#)
- [HSA 366 Technology Applications in Human Services](#)
- [HSA 370 Supervision in Human Services](#)
- [HSTD 394 Staff Training and Adult Development](#)

Practica (5 credits)

Experiential (practica) experience is a vital component of the human services degree program. Every student is required to complete a practicum experience.

- [HSER 320 Human Services Pre-Practicum Group Seminar](#)
- [HSER 331 Human Services Group Practicum and Seminar](#)

Humanities Minor

Requirements (20 total credits)

The humanities minor explores connections among the literature, art, architecture, philosophy, music, and popular culture of a given era or topic. The program supports majors in many disciplines by honing critical thinking skills and providing educational breadth or opportunities for personal enrichment.

The humanities minor requires a total of 20 credits selected from among the following courses:

- [HUM 310 The First Civilizations](#)
- [HUM 311 The Classical World: Greece](#)
- [HUM 312 The Classical World: Rome](#)
- [HUM 313 Medieval Civilization](#)
- [HUM 314 The Renaissance](#)
- [HUM 315 The Enlightenment](#)
- [HUM 316 Romanticism](#)
- [HUM 317 Modernism](#)
- [HUM 318 Postmodernism](#)
- [HUM 321 Myth](#)

- [HUM 326 Folklore](#)
- [HUM 327 Convivencia](#)
- [HUM 333 The Photo and the Other](#)
- [HUM 364 The Harlem Renaissance](#)
- [HUM 390 Special Topics in the Humanities](#)

At least half of the 20 credits must be earned at Metro State. With advisor approval, up to 10 transfer credits may be applied to the minor requirements

Up to 4 semester credits at the 200-level may be applied to the minor requirements.

Individualized Studies Major BA

The Individualized Studies Bachelor of Arts degree reflects the original mission of Metropolitan State University—to give students primary authority over and responsibility for their educations. With guidance from faculty in the entry course PRSP 301 Perspectives: Educational Philosophy & Planning, students design their own course of study towards the completion of the Bachelor of Arts. Students design their own "focus," which is often interdisciplinary, and typically involves subject areas from across the entire knowledge tradition. In addition to traditional classroom learning, students also use a variety of learning *strategies* such as student-directed learning (credit for prior learning or independent study) theory seminars, and internships. Examples of programs students have designed include: combining subjects from two different colleges such as political science and business administration, or focusing on broad general themes through the perspective of a variety of subject areas, such as the environmental movement, international development and Third World tourism, or community development. Students are assigned academic advisors who assist them in their progress toward completion of the degree. For more information, contact individualized.studies@metrostate.edu or 651-793-1783.

Acceptance to the Program

To be eligible for acceptance to the Individualized Studies program, students must submit a College of Individualized Studies [Undergraduate Program Declaration Form](#). This form is normally submitted while taking PRSP 301, Perspectives: Educational Philosophy and Planning, but can be done prior to taking the course.

Students are classified as Pre-Individualized Studies majors until they complete PRSP 301 and develop an approved degree plan.

University Graduation Requirements

To earn an Individualized Studies B.A., students must complete a total of 120 credits, including the following university graduation requirements:

- [Minnesota Transfer Curriculum \(MTC\) and Liberal Studies Requirements](#) (48 total credits)
- Upper Division Credits (40 credits)

- Metropolitan State University Residency Requirements (30 credits)

Individualized Studies Program Requirements

Students earning an Individualized Studies degree must also complete the following:

- College of Individualized Studies residency requirement (20 credits), including the following two CIS Courses
 - PRSP 301 Perspectives: Educational Philosophy and Planning
 - PRSP 499 Capstone
(or another capstone class with an advisor approval)
- An individualized focus (32 credits minimum which may include transfer credits)

Overlap

Requirements can overlap, for example, the 20 College of Individualized Studies residency requirements also meet the university residency requirements and courses in the focus area might also meet Liberal Studies Requirements.

Focus

In PRSP 301 Perspectives: Educational Philosophy and Planning, students design individualized focus areas that address their educational goals. The focus can include transferred credits, including up to 80 technical college transfer credits, and MTC classes. The College encourages students to design their degree programs within a broad framework that embraces these competence areas: communication, math/science & the natural world, vocation, avocation, humanities, community (including global citizenship and multicultural perspectives), and lifelong learning.

Creative Learning Strategies

CIS students are encouraged to include a variety of learning strategies in their programs: independent studies, internships, theory seminars, and student-directed learning (credit for prior learning or independent study). The individualized BA is also available as a degree-at-a-distance which incorporates a variety of learning strategies including online courses.

Core Courses for Individualized Studies BA Degree Program

To support students in developing individualized studies degree programs that put their educations in service of their life goals, we require two courses:

- PRSP 301 Perspectives: Educational Philosophy and Planning
- PRSP 499 Capstone

Courses and Workshops for All Students

We also offer a variety of interdisciplinary courses and workshops for all students, especially those who want to use learning gained via experience toward college credit, or want to include interdisciplinary studies in their degree programs.

- [METR 100 Getting Credit for What You Know](#)
- [METR 101 Your Academic Journey](#)
- [PRSP 002 College of Individualized Studies Degree Plan Updating Workshop](#)
- [PRSP 302T Self Directed Learning Theory Seminar](#)
- [PRSP 310 Interdisciplinary Conversations](#)
- [IDST 310 Principles of Civic Engagement](#)
- [IDST 321 Human Rights and the Educated Citizen](#)
- [IDST 330 Women in Math, Science and Technology](#)
- [IDST 343 Perspectives on Community Development](#)
- [IDST 370 Cinema, Self and Other](#)
- [IDST 385 Turning Points: Self Transformation](#)
- [IDST 401 Interdisciplinary Topics in Educational Perspectives](#)

Industrial Management Major BAS

This BAS program is designed to build on specific, related, AAS programs offered primarily by technical colleges. Therefore this AAS is only available to students who have completed specific related AAS programs approved by an official articulation agreement between Metropolitan State and the college offering the AAS degree.

The goal of the Industrial Management program is to educate and to train prospective and current employees from entry-level to managerial and leadership positions in order to build their abilities to contribute to the prosperity and well-being of their industries. Students completing this program are prepared to work as managers and leaders in operations environment of an industry. More specifically, they will be trained in project planning and design, modern concepts in operations management, product development, quality control, purchasing management, materials management, and logistics and supply chain management.

Acceptance to the Program

To be eligible for acceptance to the Industrial Management major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- The approved AAS degree specified in the approved articulation agreement
- GPA of 2.5 or higher in AAS
- COM Foundation Courses with a grade of C-, S or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The degree requirements have five components:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University. Completion of an AAS does not satisfy MnTC or Metropolitan State University's General Education Liberal Studies Requirement.

2. COM Foundation Courses (22 credits)

To complete this BAS in 120 credits, you must successfully complete the first three courses (MATH 115, STAT 201 and MIS 100) or equivalent courses as part of your AAS degree.

- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [MIS 100 Fundamentals of Information Technology in Organizations*](#)
- [ACCT 210 Financial Accounting*](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)

3. Business Core Courses (24 credits)

- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)

4. Required Courses (16 credits)

- [DSCI 420 Project Management](#)
- [DSCI 421 Project Planning and Budgeting](#)
- [MKTG 455 Supply Chain Management](#)

5. Capstone (Choose one of the following)

- [*DSCI 350I Internship](#)
- [*DSCI 360I Decision Sciences Student-Designed Independent Study \(SDIS\)](#)

*Contact the Decision Science coordinator Hameed Nezhad by email at hameed.nezhad@metrostate.edu

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Information Assurance Major BAS

This BAS program is designed to build on specific, related, AAS programs offered primarily by technical colleges. Therefore this BAS is only available to students who have completed specific related AAS programs approved by an official articulation agreement between Metropolitan State and the college offering the AAS degree.

The Department of Homeland Security and the National Security Agency (NSA) have designated Metropolitan State University a National Center of Academic Excellence in Information Assurance Education. The Centers of Academic Excellence in Information Assurance Education Programs are intended to promote higher education opportunities in information assurance to increase the number of professionals with information assurance expertise in various disciplines. Visit the [Centers of Excellence](#) for additional information.

Information assurance (IA) is the practice of managing risks related to the use, processing, storage, and transmission of information or data and the systems and processes used for those purposes. While focused predominantly on information in digital form, the full range of IA encompasses not only digital, but also analog or physical business related risks.

Acceptance to the Program

To be eligible for acceptance to the Information Assurance major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- The approved AAS degree specified in the approved articulation agreement
- GPA of 2.5 or higher in AAS
- COM Foundation Courses with a grade of C-, S or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The degree requirements have five components:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University. Completion of an AAS does not satisfy MnTC or Metropolitan State University's General Education Liberal Studies Requirement.

The following three courses are recommended GELS courses to be used towards Goal V or Liberal studies.

- [PSYC 303 Artificial Intelligence](#)
- [PSYC 317 Human Factors](#)
- [PSYC 319 The Impact of Technology on Human and Organizational Behavior](#)

2. COM Foundation Courses

To complete this BAS in 120 credits you must successfully complete MIS 100, MATH 115 and STAT 201, or equivalent courses as part of your AAS degree.

- MIS 100 Fundamentals of Information Technology in Organizations (FITO)*
- MATH 115 College Algebra (or higher)
- STAT 201 Statistics I
- ACCT 210 Financial Accounting*

3. **Business Core Courses**

- MGMT 310 Management Principles and Practices
- MIS 310 Principles of MIS
- MKTG 455 Supply Chain Management

4. **Required Courses**

- MIS 320 Information Systems Analysis and Design
- MIS 335 Management and Use of Databases
- MIS 412 Administration of the MIS Function
- MIS 450 MIS Auditing and Security Controls
- MIS 462 Management of Distributed Computing

5. **Capstone Course (choose one of the following)**

- MIS 467 Telecom and Internet Management or
- MIS 498 Telecommunications Economics and Policy

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

International Business Major BS

The international business program responds to the increasing interactions of American companies with worldwide marketing, purchasing, financial dealings and other business activities. Larger U.S. companies have historically had a presence or strategic relationship in other countries, and this is becoming increasingly true of small and medium-sized companies. Also, many types of intermediaries have emerged to find markets and/or suppliers around the world for U.S. companies of all sizes and in almost every industry.

Virtually every business organization should at least explore the possibilities of developing relationships with companies in other countries, either directly or through intermediaries. The global economy is too interdependent and too competitive for any domestic business to ignore the international marketing, sourcing and investing possibilities.

The international business program offers three required courses that help students understand the different political, economic and legal environments that affect the ways in which business is conducted in other countries. Building on these foundation courses are more specialized courses focusing on marketing, sourcing and investment opportunities in overseas business. Finally, there is the practically-oriented "Doing Business Internationally" Capstone course that applies what has been learned in core and elective courses to selected nations or world regions in the design of strategies for the achievement of business objectives.

For the highly focused individual, independent studies may be designed and internships may be made available.

Acceptance to the Program

To be eligible for acceptance to the International Business major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The international business program consists of six parts:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting](#)

3. Business Core Courses (24 credits)

- [MKTG 300 Marketing Principles](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)

- MGMT 499 Case Studies in Strategic Management
4. **International Business Core Courses (12 credits)**
- The following courses have these prerequisites: MATH 115, ECON 201, ECON 202 and Intermediate Writing
- IBUS 311 International Business Environment and Operations
 - IBUS 312 International Political Economy
 - IBUS 350 Legal Aspects of International Business
5. **International Business Electives (8 credits)**
- ECON 314 International and Comparative Economics
 - MKTG 480 International Marketing
 - FIN 550 International Finance
 - HRM 585 International Human Resource Management
6. **International Business Capstone (4 credits)**
- IBUS 490 Doing Business Internationally
Prerequisites: IBUS 311, IBUS 312, IBUS 350
7. **Unrestricted electives as needed to total a minimum of 120 credits.**

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- The course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

International Business Minor

This minor is highly suitable for students with majors in languages, liberal arts, and business and management fields who are interested in broadening their career opportunities. The program offers a solid background in the ways in which firms operate in the global economy. The courses taken will provide the basic knowledge and skills needed by managers in companies doing business internationally, and will enhance students' employment prospects with such companies by providing a structured program in International Business theory and practice.

Students who take this minor will be able to increase their knowledge of the global economy, and open up additional career prospects, by:

- Understanding the theoretical principles and day-to-day practices of international business, and their implications for a firm's various domestic functions
- Understanding the political, technological, market and other competitive drivers that are pushing international firms to globalize their operations
- Understanding the U.S. position in world trade and the impact of international political and economic events on the country
- Recognizing the different management issues associated with a company's stage of development in its international market entry planning, evaluating international business management practices, and designing effective global business strategies
- Knowing the principles and processes of international business well enough to explore concepts of gender, ethnicity, ethics, and religion, and their relationships to intercultural business transactions
- Understanding the career tracks and opportunities in the industry

Requirements (20 credits)

International Business Core Courses (12 credits)

All of these courses have the following prerequisites: MATH 115 or equivalent, ECON 201 or equivalent, and Intermediate Writing

- [IBUS 311 International Business Operations and Environment](#)
- [IBUS 312 International Political Economy](#)
- [IBUS 350 Legal Aspects of International Business](#)

Electives (4 credits)

- [ECON 314 International and Comparative Economics](#)
Prerequisites: MATH 115, ECON 201, ECON 202 and Intermediate Writing
- [MKTG 480 International Marketing](#)

International Business Capstone (4 credits)

- [IBUS 490 Doing Business Internationally](#)
Prerequisites: IBUS 311, IBUS 312, IBUS 350

International Commerce Major BAS

This BAS program is designed to build on specific, related, AAS programs offered primarily by technical colleges. Therefore this AAS is only available to students who have completed specific related AAS programs approved by an official articulation agreement between Metropolitan State and the college offering the AAS degree.

The goal of this program is to prepare you to work in an international commerce environment of a manufacturing or services company. More specifically, you will be educated in the theoretical principles and day-to-day practices of international commerce, the implications of globalization for a firm's domestic operations, the U.S. position in the global economy, international market entry planning, international product development, international business management practices, global business strategies, intercultural business transaction management, and career tracks and opportunities in the industry.

International commerce is a significant and growing 'sector' of Minnesota's economy, with exports of goods, services and raw materials to other countries contributing about \$16 billion to the Gross State Product (GSP) and imports contributing about \$21 billion in 2010. The average annual growth rate of international imports and exports in Minnesota has been between 5 and 10 percent for the last decade--about double the GSP rate--and each \$1 billion in international commerce means more than 15,000 jobs.

Acceptance to the Program

To be eligible for acceptance to the International Commerce major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- The approved AAS degree specified in the approved articulation agreement
- GPA of 2.5 or higher in AAS
- COM Foundation Courses with a grade of C-, S or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Program Requirements

The degree requirements have five components:

1. **General Education and Liberal Studies**

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University. Completion of an AAS does not satisfy MnTC or Metropolitan State University's General Education Liberal Studies Requirement.

2. **COM Foundation Courses (22 credits)**

To complete this BAS in 120 credits, you must successfully complete the first three courses (MIS 100, MATH 115, and STAT 201) or equivalent courses as part of your AAS degree.

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting](#)

3. **Business Core Courses (20 credits)**

- [MKTG 300 Marketing Principles](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)

4. **International Commerce Core Courses (8 credits)**

- [IBUS 312 International Political Economy](#)
- [IBUS 350 Legal Aspects of International Business](#)

5. **International Commerce Elective Courses (4 credits)**

- [ECON 314 International and Comparative Economics](#)
- [MKTG 480 International Marketing](#)

6. **International Commerce Capstone (4 credits)**

- [IBUS 490 Doing Business Internationally](#)
Pre-requisites: IBUS 312, IBUS 350

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Law Enforcement Major BS

Grounded in the liberal arts and sciences, the law enforcement degree programs help individuals develop the knowledge and perspectives for law enforcement careers. A baccalaureate degree is the minimum educational requirement for some state and most federal law enforcement positions, as well as many other interesting positions within the criminal justice system.

To earn a baccalaureate of science (BS) in law enforcement, students must complete the minimum bachelor's degree requirements (120 credits), including general education, liberal studies and law enforcement coursework. There are three tracks in the Law Enforcement major:

- Track 1 is designed for students interested in becoming licensed peace officers in Minnesota.
- Track 2 is designed for students who want to major in law enforcement, but are not seeking licensure in Minnesota.
- Track 3 is designed for current Minnesota peace officers who want to complete the BS degree with a major in Law Enforcement.

Minnesota peace officers may complete major requirements on campus or in the online Law Enforcement Major Completion Program.

Acceptance to the Program

To be eligible for acceptance to the Law Enforcement major, students must submit a School of Law Enforcement and Criminal Justice Undergraduate Program Declaration Form when the following is completed:

- 30 credits
- GELS/MNTC writing requirements
- Cumulative Metropolitan State GPA of 2.25
- SLC Pre-major Advising Workshop (PAW)

All law enforcement pre-majors should work closely with an advisor from the School of Law Enforcement and Criminal Justice (SLC).

Credit and Residency Requirements

All Metropolitan State University students must complete at least 30 credits in residency at Metropolitan State. All law enforcement students must complete 24 major credits at Metropolitan State University which can be applied toward the 30 credit university residency requirement.

Track 1: Minnesota Peace Officer Licensure Track (59 semester credits)

This major track helps individuals develop the knowledge, perspectives and skills for successful law enforcement careers in Minnesota City, county and state law enforcement agencies. Students who successfully complete either the BS or the Law Enforcement Licensing Certificate program are eligible to take the Minnesota Peace Officer Standards and Training (POST) Board licensing examination, required for entry into the law enforcement profession in Minnesota.

Minnesota Peace Officer Licensure Requirements

Students interested in becoming a licensed peace officer in Minnesota should be aware of the following minimum selection standards established by the Minnesota POST Board. An applicant must:

- be a citizen of the United States;
- possess a valid Minnesota driver's license;
- complete a comprehensive written application;
- never have been convicted of a felony, assault, theft or other convictions as identified by the [POST Board Minimum Selection Standards for Licensure](#);
- submit to a thorough background investigation;
- be fingerprinted for a background check;
- undergo an evaluation by a licensed psychologist;
- pass job-related physical strength and agility exams;
- successfully complete an oral exam demonstrating communication skills; and
- Be license-eligible by completing an associate or bachelor's degree and passing the POST licensing exam.

Detailed, current information regarding the POST minimum selection standards is available on the [POST Board website](#) and through the SLC Advising Center.

Note: Emergency Medical Responder is required for the POST exam and must be approved by the Minnesota Emergency Medical Services Regulatory Board ([EMSRB](#)).

Required Core Courses (59 credits)

- *[CJS 101 Introduction to Criminal Justice](#)*
- *[CJS 200 Literature in Criminal Justice](#)
- ^[LAW 205 Report Writing in Law Enforcement and Criminal Justice](#)
(Minnesota POST licensed eligible students are exempt)
- #^[LAW 220 Legal Issues in Law Enforcement](#)
- #^[LAW 230 Patrol Operations](#)
- #^[LAW 240 Minnesota Criminal and Traffic Codes](#)
- ^[LAW 301 Community-Oriented Policing](#)
- ^[CJS 302 Juvenile Justice](#)
- +[CJS 320 Applied Criminology](#)
- ^[LAW 325 Criminal Procedure and Investigation](#)
- [CJS 350 Citizenship: Community Involvement](#)
- +[CJS 360 Diversity Issues in Criminal Justice](#)
- ^[LAW 370 Assisting Families in Crisis](#)
- +[CJS 375 Criminal Justice Ethics](#)
- +[CJS 483 Research Seminar in Criminal Justice](#)

- =CJS 490 Criminal Justice Capstone
- #LAWE 290 Law Enforcement Skills Practicum (10 lower-division credits; registration by permission only)

Law Enforcement Skills Practicum

Admission into Skills is by application only. The application process is available fall semester prior to the student's final summer term. Prior to applying, students must work closely with their advisor to prepare for the Skills component of the degree program. Skills practicum is only offered in the summer.

^ Must be completed at a Minnesota POST certified college or university prior to Skills Practicum.
 # LAWE 205 is a prerequisite for LAWE 290.
 * CJS 101 and CJS 200 are prerequisites for all core CJS and LAWE courses.
 + CJS 320, CJS 360, CJS 375 and CJS 483 are prerequisites for CJS 490.
 = CJS 490 should be completed during the student's last semester. Students must request permission to register for this class.

Track 2: Non-Licensure Track (49 semester credits)

This major track is designed for students who want to complete a law enforcement major, but do not intend to become a licensed Minnesota peace officer.

Required Core Courses (40 credits)

- *CJS 101 Introduction to Criminal Justice
- *CJS 200 Literature in Criminal Justice
- CJS 210 Constitutional Law
- LAWE 301 Community-Oriented Policing
- LAWE 330 Critical Issues in Law Enforcement
- CJS 302 Juvenile Justice
- +CJS 320 Applied Criminology
- LAWE 325 Criminal Procedure and Investigation
- CJS 350 Citizenship: Community Involvement*
- +CJS 360 Diversity Issues in Criminal Justice*
- +CJS 375 Criminal Justice Ethics*
- +CJS 483 Research Seminar in Criminal Justice
- =CJS 490 Criminal Justice Capstone

Directed Electives (9 credits)

- 3 LAWE/CJS Electives (ALL 9 directed elective credits must be upper-division; 3 courses minimum)

Note: Track 2 majors may not double major or minor in criminal justice.

* CJS 101 and CJS 200 are prerequisites for all core CJS and LAWE courses.
 + CJS 320, CJS 360, CJS 375 and CJS 483 are prerequisites for CJS 490.
 = CJS 490 should be completed the student's last semester. Students must request permission to register for this class.

Track 3: Law Enforcement Major for Minnesota Licensed Peace Officers

This track allows licensed peace officers to pursue the law enforcement major (BS). [Explore major requirements as an on-campus student.](#)

Minnesota peace officers have an opportunity to earn a bachelor's degree through an online cohort program called the Law Enforcement Major Completion Program. Eligible students apply to the cohort which offers two major courses per semester over four semesters. [More program information.](#)

Track 3 Law Enforcement major degree requirements include major directed electives. Metropolitan State supports alternative learning strategies including prior learning. Following admission and major declaration, students may request a review of their continuing education records for prior learning consideration. [Explore prior learning.](#)

Law Enforcement Licensing Certificate

The Law Enforcement Licensing Certificate is a cohort program which takes three semesters (one academic year) to complete and begins each fall. Most courses are taught in hybrid format using web-based, online technology with Saturday classes on campus. All major courses must be completed with a grade of C- or higher.

Gainful Employment Disclosure

Gainful employment programs are those "that prepare students for gainful employment in a recognized occupation." Public institutions are required to report this information for all undergraduate and graduate programs that are Title IV eligible and that lead to certificates, diplomas, graduate certificates or specialist awards. Degree programs at all levels are not considered to be gainful employment programs. View [Gainful Employment Facts](#).

Acceptance to the Program

To be eligible for acceptance to the Law Enforcement Licensing Certificate program, students must submit an application to the School of Law Enforcement and Criminal Justice before applying for admission to the university. The following must be completed:

- Bachelor's degree (or higher) in any discipline from a regionally accredited college/university

Minnesota Peace Officer Licensure Requirements

The certificate program meets all Minnesota Peace Officer Standards and Training (POST) [learning objectives](#).

Students interested in becoming a licensed peace officer in Minnesota should be aware of the following [minimum selection standards](#) established by the POST Board. An applicant must:

- be a citizen of the United States;
- possess a valid Minnesota driver's license;
- complete a comprehensive written application;
- never have been convicted of a felony, assault, theft or other convictions as identified by the [POST Board Minimum Selection Standards for Licensure](#);
- submit to a thorough background investigation;
- be fingerprinted for a background check;
- undergo an evaluation by a licensed psychologist;
- pass job-related physical strength and agility exams;
- successfully complete an oral exam demonstrating communication skills; and
- Be license-eligible by completing an associate or bachelor's degree and passing the POST licensing exam.

Detailed, current information regarding the POST minimum selection standards is available on the [POST Board website](#) and through the SLC Advising Center.

Note: Emergency Medical Responder is required for the POST exam and must be approved by the Minnesota Emergency Medical Services Regulatory Board (EMSRB).

Prerequisites (6 credits)

- [CJS 101 Introduction to Criminal Justice](#)
- [CJS 302 Juvenile Justice](#)
(must be completed at a Minnesota POST-certified college or university)

Core Courses (28 credits)

The certificate program core courses are offered in the following sequence:

Fall Semester

- [LAW 250 Law I](#)
- [LAW 500 Best Practices in Law Enforcement Communication and Social Dynamics](#)
- [LAW 325 Criminal Procedure and Investigation](#)

Spring Semester

- [LAW 251 Law II](#)
- [LAW 311 Best Practices in Police Community Interaction](#)
- [LAW 502 Best Practices in Law Enforcement Ethics and Police Leadership](#)

Summer Semester

- [LAW 290 Law Enforcement Skills Practicum](#) (registration by permission only)

Law Enforcement Major for Minnesota Licensed Peace Officers

The Law Enforcement Major for Minnesota Licensed Peace Officers is designed for those who wish to earn a bachelor's degree and enhance their knowledge, skills and potential for professional advancement. The Law Enforcement Major may be completed on campus or online.

Acceptance to the Program

To be eligible for acceptance to the Law Enforcement Major for Minnesota Licensed Peace Officers program, students must submit a School of Law Enforcement and Criminal Justice Undergraduate Program Declaration Form when the following is completed:

- Licensed peace officer (active or inactive) with an associate degree earned from an accredited college or university
- 30 credits, including two writing courses, with a minimum GPA of 2.25
- Admission to Metropolitan State University
- On campus students must attend the required Pre-major Advising Workshop (PAW)
- SLC Pre-major Advising Workshop (PAW) for on-campus students, or one-day program orientation for online students

Credit and Residency Requirements

All Metropolitan State University students must complete at least 30 credits in residency at Metropolitan State. All law enforcement students must complete 24 major credits at Metropolitan State University which can be applied toward the 30 credit university residency requirement. Students must complete at least 40 upper division credits and 120 credits total in order to graduate. All major courses must be completed with a grade of C- or higher.

On Campus Program

Required Courses (22 credits)

- *CJS 200 Literature in Criminal Justice
(prerequisite for all criminal justice and law enforcement courses)
- LAW 301 Community-Oriented Policing
- +CJS 320 Applied Criminology
- +CJS 360 Diversity Issues in Criminal Justice
- +CJS 375 Criminal Justice Ethics
- +CJS 483 Research Seminar in Criminal Justice
- =CJS 490 Criminal Justice Capstone

* CJS 200 is a prerequisite for all core CJS and LAW courses.
+ CJS 320, CJS 360, CJS 375 and CJS 483 are prerequisites for CJS 490.
= CJS 490 should be completed during the student's last semester. Students must request permission to register for this class.

Major Electives (22 credits)

Major electives are selected in consultation with the student's faculty advisor. In general, electives may include law enforcement or criminal justice courses, courses in other disciplines focusing on professional development, course requirements for a minor or certificate, and/or evaluation of prior learning.

Online Program

The online Law Enforcement Major Completion Program is a cohort program which begins in fall semester of each year. Students are required to attend a one-day orientation at Metropolitan State University SLC in August to meet instructors, fellow students, learn about Web-based courses, and finalize degree plans with an advisor. This is the only required travel to campus during the program.

The eight core courses required for the law enforcement major are offered online in a cohort schedule in fall and spring semesters. Students are encouraged to work on major electives and other degree requirements during the summer. Although the major courses are available online, remaining degree requirements are not guaranteed to be offered using an online delivery format.

Law Enforcement Major Completion Program Online Course Schedule (27 credits)

Online cohort courses are offered in the following sequence:

First Semester

- [CJS 200 Literature in Criminal Justice](#) (3 credits)
(prerequisite for all criminal justice and law enforcement courses)
- [LAW 331 Current Issues: Applied Policing within Communities](#) (4 credits)

Second Semester

- [CJS 320 Applied Criminology](#) (3 credits)
- [CJS 360 Diversity Issues in Criminal Justice](#) (3 credits)

Third Semester

- [LAW 445 Law Enforcement Leadership - Contemporary Issues](#) (4 credits)
- [CJS 483 Research Seminar in Criminal Justice](#) (3 credits)

Fourth Semester

- [CJS 375 Criminal Justice Ethics](#) (3 credits)
- [CJS 490 Criminal Justice Capstone](#) (4 credits)

Major Electives (22 credits)

Electives are selected in consultation with the student's faculty advisor. In general, electives may include law enforcement or criminal justice courses, courses in other disciplines focusing on professional development, course requirements for a minor or certificate, and/or evaluation of prior learning.

Commitment

Students must make a commitment to complete these courses in sequence with their cohort. If it is necessary to withdraw during the sequence, students may need to re-apply for admission to a subsequent cohort.

Completing Degree Requirements

In addition to the courses above, students must also meet the University's degree requirements which vary depending on individual transfer credits. Cohort program advisors will help identify ways to meet these requirements, including classroom courses, online courses, and/or prior learning.

Questions? Contact Mary Schober Martin at 763-657-3751 or mary.schobermartin@metrostate.edu.

Liberal Arts Major BA

Requirements (33 upper-division credits)

Students who wish to pursue an individualized major within the College of Arts and Sciences should select the liberal arts major (LAM). This major provides an opportunity for students to customize their degree programs based on individual interests and educational goals.

The liberal arts major consists of at least 33 upper-division credits for which the student can articulate a rationale of coherence in writing. With the support of an advisor students will select 32 credits of interdisciplinary work for the core of their LAM program. An additional 1 credit upper-division Student Designed Independent Study (SDIS) LAM mentorship with a member of the CAS faculty is required of all students. Usually all 33 credits would be in courses offered by the College of Arts and Sciences; however, with approval, as many as 8 credits in disciplines outside the college may be included. At least half of the LAM credits must be earned at Metropolitan State.

The major program should not be a scattering of courses across the college, but a coherent program with a significant component of advanced-level work demonstrating mastery of the chosen subject. It should not closely resemble an existing degree program within the college.

Acceptance to the Program

To be eligible for acceptance to the Liberal Arts major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when the following is completed:

- A plan of study, designed in consultation with a College of Arts and Sciences advisor, selecting at least 32 upper-division semester credits and writing a rationale of coherence for the choices. An additional 1 credit upper-division SDIS LAM mentorship with a member of the CAS faculty is required of all students. A committee of arts and sciences faculty reviews the proposed plan, judging the persuasiveness of its rationale and its academic integrity. This committee either approves a plan or returns it to the student with suggestions for improvement.

Minor plan changes (8 or fewer credits) may be made in consultation with the advisor. Major changes require resubmission to the review committee.

Pursuant to university policy, students are encouraged to have their LAM approved before they have completed 80 credits.

Contact Information

Professor Shannon Skarphol Kaml
651-999-5946
LiberalArtsMajor@metrostate.edu

Life Sciences Teaching Major BS

(Life Sciences Licensure Grades 5-12)

The life sciences teaching major provides students with the science content coursework necessary for obtaining the Minnesota Science Teaching License with Life Science Specialty.

This license provides certification to teach life science classes in grades 9-12 and science classes in grades 5-8 including earth science and physical science. Students seeking licensure must complete the Life Sciences Education program which includes the Life Sciences Teaching Major and additional requirements and coursework through the university's School of Urban Education. Contact the School of Urban Education for information about the program requirements.

The Life Sciences Teaching major provides a broad foundation in biology, chemistry, physics, earth science and mathematics followed by advanced study in biology.

Each student must complete at least 46 credits in the major including at least 18 upper division credits and at least 23 credits from Metropolitan State University. All prerequisite and required courses must be completed with grades of C- or above.

Transfer coursework equivalency is determined by the Natural Science Department. Each foundation science course must include at least one semester credit of professionally supervised on-ground laboratory experience with standard undergraduate laboratory equipment and materials. Lower-division (100- and 200-level) courses are not accepted as equivalent to upper-division courses and cannot be used to fulfill upper division core requirements in the major.

Acceptance to the Program

To be eligible for acceptance to the Life Sciences Teaching major (Grades 5-12), students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#) when they have completed all of the requirements from the [Guide to Admission in the Urban Teacher Program](#).

Major Requirements

Prerequisites

- MATH 115 College Algebra or
- MATH 120 Pre-calculus

Requirements (46-56 total credits)

Foundation Courses (20 credits)

- BIOL 111 General Biology I
- BIOL 112 General Biology II
- CHEM 111 General Chemistry I
- CHEM 112 General Chemistry II

Core Courses (18-28 credits)

(Choose one)

- GEOL 110 Introduction to Earth Sciences** or
- GEOL 101 Introduction to Geology* and
- PHYS 101 Introduction to Astronomy*

(Choose one)

- PHYS 110 Introduction to Physics* or
- PHYS 111 General Physics I - Algebra Based and
- PHYS 112 General Physics II - Algebra Based** or
- PHYS 211 Calculus-Based Physics I and
- PHYS 212 Calculus-Based Physics II**

* Recommended courses for student who plan to teach middle school science: GEOL 101, PHYS 101, and PHYS 110.

** Recommended courses for students who plan to teach high school biology: GEOL 110, PHYS 111 and PHYS 112, or PHYS 211 and PHYS 212. Teaching Licensure Grades 5-12

(Choose one)

- BIOL 310 Ecology or
- BIOL 312 Evolution or
- BIOL 320 Ecosystem and Global Ecology or
- ESCI 315 Limnology

(Choose one)

- BIOL 301 Genetics, or
- BIOL 302 Cell Biology and Histology, or
- BIOL 304 Molecular Biology.

Teaching Methods (8 credits)

- [SCED 445 The Practice of Science](#)
- [SCED 450 Science Methods for Urban Grades 5-12 Classrooms and Lab](#)

Teaching Licensure Grades 5-12

Students completing the teaching major who wish to earn Minnesota Teaching Licensure for secondary education (grades 5-12) can do so by completing additional course work through the university's School of Urban Education. Please note that the School of Urban Education has the primary responsibility for recommending students for licensure. For more information, visit the [Grades 5-12 licensure for Urban Secondary Education](#) page.

Management Major BS

The management program area offers a major in management. The management major prepares students for professional opportunities in management in a variety of organizations. Students in this major develop the skills, knowledge and behaviors that lead to effective managerial performance. They learn about the functional areas of organizations, how external influences affect managerial decisions and about the increasingly diverse business environments in which management decisions are made.

This program can be completed on campus, fully online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Acceptance to the Program

To be eligible for acceptance to the Management major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The management program includes courses in five areas:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- MIS 100 Fundamentals of Information Technology in Organizations
- MATH 115 College Algebra
- STAT 201 Statistics I
- ECON 201 Macroeconomics
- ECON 202 Microeconomics
- ACCT 210 Financial Accounting

3. Business Core Courses (24 credits)

- MKTG 300 Marketing Principles
- MGMT 310 Management Principles and Practices
- MIS 310 Principles of Management Information Systems
- FIN 390 Principles of Finance
- DSCI 434 Introduction to Operations Management
- MGMT 499 Case Studies in Strategic Management

4. Management Required Courses (28 credits)

- MGMT 320 Organizational Behavior
- MGMT 340 Managing Quality
- MGMT 360 Managing a Diverse Workforce
- ACCT 320 Strategic Management Accounting
- BLAW 320 Legal Environment of Organizations
- HRM 310 Human Resource Management: A Strategic Framework
- DSCI 420 Project Management

5. Unrestricted electives as needed to total a minimum of 120 credits.

Course Prerequisites

Many College of Management courses are sequenced and build on previous learning. It is the student's responsibility to complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- The grade earned in the course is "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Management Information Systems Major BS

The management of information systems and information technology is a critical challenge for every organization. The MIS major prepares students for careers in high-demand IT occupations such as a business systems analyst, enterprise technology architect, application developer and helpdesk support.

The MIS major provides knowledge and skills that enable students to succeed in a professional environment. Students develop understanding of the entire process of planning, designing and managing/using information technology (IT). Students not only learn theory, but also attain a working knowledge of how to apply technology to solve business problems. This balance of theory and practice facilitates students' preparedness to begin working on IT planning and decision making in real life situations.

Acceptance to the Program

To be eligible for acceptance to the Management Information Systems major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- Complete MIS 100 Fundamentals of Information Technology in Organizations AND MIS 310 Principles of MIS with a grade of B- or higher.
- Complete the remaining COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The management information systems program includes courses in six areas:

1. **General Education and Liberal Studies**

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

In addition, the following three courses from the psychology program area are recommended as electives towards GELS requirements:

- o [PSYC 303 Artificial Intelligence](#)
- o [PSYC 317 Human Factors](#)
- o [PSYC 319 The Impact of Technology on Human Organizational Behavior](#)

2. **COM Foundation Courses (22 credits)**

- o [MIS 100 Fundamentals of Information Technology in Organizations](#)
- o [MATH 115 College Algebra](#)
- o [STAT 201 Statistics I](#)
- o [ECON 201 Macroeconomics](#)
- o [ECON 202 Microeconomics](#)
- o [ACCT 210 Financial Accounting](#)

3. **Business Core Courses (24 credits)**

- o [MKTG 300 Marketing Principles](#)
- o [MGMT 310 Management Principles and Practices](#)
- o [MIS 310 Principles of Management Information Systems](#)
- o [FIN 390 Principles of Finance](#)
- o [DSCI 434 Introduction to Operations Management](#)
- o [MGMT 499 Case Studies in Strategic Management](#)

4. **MIS Tier 1 Courses (all 16 credits are required)**

- o [MIS 320 Information Systems Analysis and Design](#)
- o [MIS 328 Applications Development I](#)
- o [MIS 335 Management and Use of Databases](#)
- o [MIS 467 Telecommunications and Internet Management](#)

5. **MIS Tier 2 Courses (2 courses required, total 84 credits)**

- o [MIS 350 Management Information Systems Individual Internship](#)
- o [MIS 370 Retail Information Systems](#)
- o [MIS 380 Business Intelligence and Analytics](#)
- o [MIS 450 MIS Auditing and Security Controls](#)
- o [MIS 456 Supply Chain Information Systems](#)
- o [MIS 459 ERP Systems](#)
- o [MIS 462 Management of Distributed Computing](#)
- o [MIS 463 Strategic Management of Technology and Innovation](#) (offered intermittently)
- o [MIS 498 Telecommunications Economics and Policy](#)
- o [MIS 533 Special Topics: Emerging Technologies](#) (offered intermittently)

6. MIS Tier 3 Courses (1 course required, total 4 credits)

- MIS 412 Administration for the Management Information Systems Function
- MIS 499 MIS Capstone

7. Unrestricted electives as needed to total a minimum of 120 credits.

In addition, MIS faculty strongly recommend DSCI 420 Project Management as a supplemental unrestricted COM elective, though this course is no longer being accepted for MIS major credit. **Note:** Students who intend to major in MIS must receive a grade of at least B- or its equivalent in MIS 100 and MIS 310 before they can register for MIS required or elective courses.

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- The course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Management Information Systems Minor

This minor is very useful for students majoring in almost any business discipline (e.g. Accounting, Human Resource Management, Finances, etc.) and also supports career paths in other areas as well (e.g. Nursing, Human Services and Social Work). This minor consists of up to four prerequisite credits and 20 credits of course work as defined below. Management information systems faculty also offer a minor in management information systems (formerly known as the minor in information and knowledge administration). This minor is very useful for students majoring in almost any business discipline (e.g. Accounting, Human Resource Management, Finances, etc.) and also supports career paths in other areas as well (e.g. Nursing, Human Services and Social Work). This minor consists of up to four prerequisite credits and 20 credits of course work as defined below.

Requirements (20 credits)

Prerequisite

- [MIS 100 Fundamentals of Information Technology in Organizations](#)
This course is for students who do not have any background in basic computer concepts and user-level personal productivity tools. Equivalent course or passing the waiver exam is accepted in lieu of the course.

Required Courses

- [MIS 310 Principles of Management Information Systems](#)
- [MIS 320 Information Systems Analysis and Design](#)
- [MIS 335 Management and Use of Databases](#)
- 8 credits (2 required elective courses) from the MIS courses numbered 300 or above

Marketing Major BS

Marketing activities play a critical role in the achievement of an organization's missions and objectives. Students in the marketing major will study the demographic, psychographic, social, economic, technological, environmental and cultural factors that influence the demands for consumer and industrial goods and services. This program offers courses related to marketing principles, buyer behavior, marketing research, marketing communications, international marketing, and others. All of the courses in this major are designed to enhance students' understanding of marketing as a multifaceted and cross-functional discipline that plays a key role in an organization's vitality.

This program can be completed on campus, online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Acceptance to the Program

To be eligible for acceptance to the Marketing major, students must submit a [College of Management Undergraduate Program Declaration Form](#) when the following is completed:

- COM Foundation Courses with a grade of C- or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The marketing program includes courses in six areas:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University.

2. COM Foundation Courses (22 credits)

- [MIS 100 Fundamentals of Information Technology in Organizations*](#)
- [MATH 115 College Algebra](#)
- [STAT 201 Statistics I](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [ACCT 210 Financial Accounting*](#)

3. Business Core Courses (24 credits)

- [MKTG 300 Marketing Principles*](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of Management Information Systems](#)
- [FIN 390 Principles of Finance](#)
- [DSCI 434 Introduction to Operations Management](#)
- [MGMT 499 Case Studies in Strategic Management](#)

4. Marketing Required Courses (20 credits)

- [MKTG 310 Consumer and Professional Buying Behavior](#)
- [MKTG 343 Integrated Marketing Communications](#)
- [MKTG 420 Marketing Research](#)
- [MKTG 480 International Marketing](#)
- [MKTG 490 Issues in Marketing](#)

5. Marketing Electives (4 credits)

- Any MKTG course
- [BLAW 430 Marketing and Advertising Law](#)

6. Unrestricted electives as needed to total a minimum of 120 credits.

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

Many College of Management courses are sequenced and build on previous learning. Students must complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Transfer of Credit

Transfer course evaluation is made by the faculty in the College of Management consistent with the requirements of MnSCU Policy 3.2 and MnSCU Procedure 3.21.1 (Undergraduate Course Credit Transfer). COM faculty will accept a course as meeting a COM major or minor requirement **if the course content is equivalent to or acceptable in place of a Metropolitan State University course** as determined by COM faculty;

- the course was taught at a similar or higher level as the comparable COM course;
- the content and level of the course are consistent with state/national-level professional, industry and licensure standards; and
- The course carries a grade of "C-" or "S" or higher.

Management information systems transfer courses must meet "sunset" policy requirements which specify the maximum time between when the course was taken and when the student was admitted to Metropolitan State. If a course is not accepted because too much time has elapsed since the course was completed, a student may demonstrate competence in some courses via exam. Formal articulation agreements between Metropolitan State and other institutions identify transfer of courses between those institutions.

Credit and Residency Requirements

Students in each of the College of Management Bachelor of Science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Mathematics Teaching Major BS

(Mathematics Teaching Licensure Grades 5-12)

Students who have a passion for mathematics and want to teach middle and high school students how to solve real-world problems through mathematical reasoning, should consider the mathematics teaching major. Mathematics teaching candidates gain a solid grounding in the areas of statistics, calculus, analysis, geometry, modeling and abstract algebra. Several teaching methods courses give prospective teachers the tools to transmit that knowledge and serve the diverse needs of a classroom in an urban setting.

Acceptance to the Program

To be eligible for acceptance to the Mathematics Teaching major (Grades 5-12), students must pass and have a cumulative GPA of 2.5 in MATH 210, MATH 211, and STAT 201. Students must a [College of Arts and Sciences Undergraduate Program Declaration Form](#) for Mathematics Teaching Major when they have completed all of the requirements from the [Guide to Admission in the Urban Teacher Program](#).

Major Requirements

Prerequisites

- [STAT 201 Statistics](#)
- [MATH 210 Calculus I](#)
- [MATH 211 Calculus II](#)

Core Courses (28 credits)

- [MATH 215 Discrete Mathematics](#)
- [MATH 301 Introduction to Analysis](#)
- [MATH 310 Calculus III: Multivariable Calculus](#)
- [MATH 315 Linear Algebra and Applications](#)
- [MATH 340 Mathematical Modeling](#)
- [MATH 370 Modern Geometry](#)
- [MATH 471 Abstract Algebra](#)
- [MAED 440 Teaching Mathematics to Urban Learners in Grades 4-8](#)
- [MAED 450 Teaching High School Mathematics to Urban Learners in Grades 9-12](#)

The courses MAED 440 and MAED 450 require that the student be admitted to the university's Urban Teacher Program; they have several prerequisites taught through that program.

Teaching Licensure Grades 5-12

Students completing the teaching major who wish to earn Minnesota Teaching Licensure for secondary education (grades 5-12) can do so by completing additional course work and student teaching through the university's Urban Teacher Program. Please note that the university's Education Department has the primary responsibility for recommending students for licensure. For more information, visit the [Grades 5-12 licensure for Urban Secondary Education](#) page in the catalog.

Media Literacy Minor

This minor prepares students to be critical consumers of the wide range of media that envelops them every day. Students also learn about audience, media globalization, emergence and convergence of media trends and theory appropriate for critical analysis.

Requirements (20 total credits)

Required Courses (8 credits)

- [MDST 361 Visual Communication](#)
- [MDST 363 Children, Adolescents and the Media](#)

Electives (12 credits)

- [COMM 321 Gender, Sport and Communication](#)
- [INFS 315 Searching for Information](#)
- [INFS 338 Craft and Commerce of Book Publishing](#)
- [MDST 371 American Film: Traditions and Trends](#)
- [MDST 378 World Cinema](#)
- [MDST 560 Writing for Television](#)
- [MDST 561 Advanced Television Writing](#)
- [MDST 580 Issues in Communication Technology](#)

Substitutions can be made by contacting coordinator, Dr. Maythee Kantar at 651-999-5943 or maythee.kantar@metrostate.edu.

Registered Nurse to Bachelor of Science in Nursing

(RN-BSN)

This program is for RNs with an Associate Degree or a Diploma who wish to complete a Bachelor of Science in Nursing. The sequence of nursing courses is part-time, five semesters (including summers) and follows a cohort model. Classes generally meet one day per week on the same day every semester. One clinical course (NURS 456P, Community Health Practicum), usually in the fourth semester, may meet more than once per week and may be held on a day other than the normally assigned cohort day. Once prerequisites are completed, students join a cohort. A cohort starts every semester on either Metropolitan State's St. Paul campus or on selected community college campuses.

Acceptance to the Program

To be eligible for acceptance to the RN-BSN major, the following must be completed:

- Approved admission to Metropolitan State University
- Evidence of current unencumbered registered nurse licensure in at least one state with eligibility for licensure in Minnesota
- An official transcript indicating completion of an associate degree or diploma in nursing from a regionally accredited institution
- A minimum cumulative grade point average (GPA) of 2.5 and a grade of at least a C in all previous nursing courses. The GPA used for admission assessment is the cumulative GPA calculated from all coursework and evaluation of all transcripts.
- Pre-major requirements (see below)
- Complete an official degree plan with an academic advisor. Students complete the [Undergraduate Program Declaration Form](#) at this time.

Pre-major Requirements

In preparation for the nursing core program, four prerequisites courses must be completed* (up to 16 semester credits):

- [STAT 201 Statistics I](#) or equivalent
- [WRIT 331 Writing in your Major](#) (a section reserved for nursing students)
- [PHIL 321 Medical Ethics](#)
- One course from Goal VI (Humanities/Fine Arts/Literature)

*Applicants must have a cumulative 3.0 GPA in pre-nursing courses. Students are required to obtain letter grades in all pre-nursing courses. Equivalent transfer courses from a regionally accredited institution may be accepted to meet these requirements. Students with a previous baccalaureate degree from a regionally accredited institution or equivalent non U.S. institution need Statistics I plus one of the prerequisites (not all four courses).

Note: Effective Fall 2015 and after, pre-RN to BSN students admitted to the university who have earned a previous baccalaureate degree from a regionally accredited institution or equivalent non U.S. institution are required to complete two prerequisite courses: Statistics I and Medical Ethics.

Program Requirements

Upper Division Courses

32 upper-division semester credits are obtained through the nursing major. See the "Requirements" that follow.

Program Courses

Many courses in the nursing curriculum employ online teaching/learning strategies.

Requirements (32 total credits)

- [NURS 301 Theoretical Foundation for Nursing Practice](#)
- [NURS 414 Geriatric Nursing](#)
- [NURS 446 Introduction to Nursing Informatics](#)
- [NURS 335 Nursing Research](#)
- [NURS 410 Applied Pathophysiology](#)
- [NURS 325 Health Assessment](#)

- [NURS 407 Family Health Nursing](#)
- [NURS 456 Community Health Nursing](#)
- [NURS 456P Community Health Nursing Practicum](#)
- [NURS 465 Leadership and Management in Nursing](#)
- [NURS 495 Nursing Capstone Seminar](#)

Pre-Practicum Requirements

Nursing MANE BSN

The Minnesota Alliance for Nursing Education (MANE) is an alliance of Minnesota nursing programs, using a common baccalaureate curriculum. The alliance is compiled of seven community college and Metropolitan State University; it is dedicated to increasing the educational capacity for attainment of a baccalaureate degree in nursing.

This program is intended for individuals wishing to attain a Bachelor of Science degree in nursing who are not currently registered nurses. The MANE BSN program plan is a four-year, eight semester (not including summers), and 120 credit concept-based baccalaureate curriculum. It is based on a set of core competencies that are intended to prepare graduates to provide care to individuals, families and communities in health promotion, acute or chronic illness, and at the end of life. Students are admitted to a cohort each fall at Metropolitan State University.

Licensed Practical Nurses will receive five credits of advanced standing and must maintain unencumbered licensure from any state in the United States.

Acceptance to the Program

To be eligible for acceptance to the BSN major, students must complete/submit the following:

1. General admission to Metropolitan State University.
2. Submission of official transcripts from all post-secondary institutions attended.
3. A minimum grade point average (GPA) of 2.75 based on the first semester of the MANE curriculum plan. View the [curriculum plan](#).
 - a. Official transcripts will be used to calculate GPA.
 - b. The most recent course grade will be used for the GPA calculation, whether it is higher or lower than previous grades.
4. Each course of the MANE curriculum plan must have been achieved with a letter grade of C or better.
5. Full acceptance to the MANE program is dependent on successful completion of the second semester of the MANE curriculum plan, maintaining a minimum grade point average (GPA) of 2.75, including criteria in numbers 3 and 4 above.
6. All applicants are required to complete the **most current** Assessment Technologies Institute (ATI), standardized Test of Essential Academic Skills (TEAS) prior to application deadlines. Click [here](#) for instructions on registering for the TEAS Exam.
7. Advanced standing applicants (Licensed Practical Nurses) must maintain unencumbered licensure from any state in the United States.

8. Applicants must demonstrate English language proficiency via examination if (1) English is not their native language; and (2) the applicants have lived in the US fewer than 8 years at the time of application to the program. Applicants are exempt from taking an English proficiency exam if their native language is English or they have been in the US, as a non-native English speaker, for more than 8 years.

Minimum scores in the following exams are required to demonstrate English language proficiency:

Test	Minimum Satisfactory Score
<u>TOEFL iBT</u>	84 with a minimum speaking score of 26
TOEFL PBT	560
IELTS	Overall score of 6.5 with the minimum of 6.0 on all modules
<u>MELAB</u>	Total passing score of 81 and a speaking section score of 3
<u>Pearson Test of English Academic</u>	Overall score of 55 with the minimum of 50 on all sub-scores

Pre-Application Requirements

To apply to the nursing program the following first semester courses must be completed *

- WRIT 131 Writing
- General Education MnTC Goal Area 3 (Science) (4 credits)
- PSYC 100 General Psychology
- General Education (4 credits)

The prerequisite courses must be completed at a regionally accredited college or university. All courses must be at least three (3) semester credits. Courses taken under the quarter system must be at least four (4) quarter credits.

*Applicants must have a GPA of at least 2.75 in the required MANE first semester courses to apply to the program. Students are required to obtain letter grades in all courses required for the degree and must have earned a letter grade of "C" or greater. Equivalent transfer courses from a regionally accredited institution may be accepted to meet these requirements.

Program Requirements

The MANE BSN program has two avenues for admission and completion through Metropolitan State University.

1. Admission to the MANE BSN program at Metropolitan State University

In order to be accepted to the MANE BSN program, students must first be admitted to Metropolitan State University for the spring semester in which MANE program application is due). The deadline for application for general admission to Metropolitan State University is November 15. The MANE program application deadline is February 1 each year for a fall semester start in.

Students who have been admitted to and wish to continue their studies at Metropolitan State University apply to the MANE BSN Program at Metropolitan State University after completion of the first semester courses in the MANE curriculum plan listed above. Students admitted to the MANE-BSN program at Metropolitan State University will be eligible to take the NCLEX-RN exam after successful completion of the BSN degree.

Note: **All of the courses required for completion of the MANE BSN Program are available** at the university with the exception of Anatomy & Physiology I, Anatomy & Physiology II, and Microbiology. Equivalent transfer courses from a regionally accredited institution may be accepted to meet these requirements.

120 credits are required for completion of the nursing major degree. Acceptance to the program requires completion of the first two semesters of the MANE Program Plan with a letter grade of "C" or greater in all courses and a GPA of 2.75 or greater.

2. Dual Admission Metropolitan State University and a MANE Community College

Dual admission at a MANE alliance Community College campus with Metropolitan State University granting the Bachelor of Science Degree in nursing after successful completion of the last three semesters of the MANE Baccalaureate Curriculum Plan.

Note: Completion of the first five semesters the MANE Curriculum Plan at a community college offers students the ability to complete the Associate of Science degree at the community college and provides the educational eligibility for NCLEX-RN licensure testing.

Pre-Practicum Requirements

Prior to beginning the practicum experience, information must be submitted to the School of Nursing which may include, but is not limited to the items listed [here](#). Requirements must be valid for the duration of practicum experiences.

Program Courses

General Education Requirements (55 total General Education credits, including semester one courses above)

- Anatomy and Physiology I with laboratory component*
- Microbiology with laboratory component*
- [PSYC 311 Life Span Developmental Psychology](#)
- [COMM 231 Introduction to Interpersonal Communication](#) (preferred)
- Anatomy and Physiology II with laboratory component*
- General Education (Sociology/Anthropology)
- [PHIL 321 Medical Ethics](#) or equivalent
- [STAT 201 Statistics I](#)

- [WRIT 331 Writing in your Major](#)
- General Education (elective)
- General Education (elective)

*Courses with a * are not currently offered at Metropolitan State University.

Equivalent transfer courses from a regionally accredited institution may be accepted to meet these requirements.

Requirements (65 total NURS program credits)

- [NURS 270 Foundations of Nursing: Health Promotion or NURS 272 Transition to the Role of the Professional Nurse \(LPN students only\)](#)
- [NURS 275 Nutrition and the Role of the Professional Nurse](#)
- [NURS 280 Chronic and Palliative Care](#)
- [NURS 282 Pharmacology and the Role of the Professional Nurse](#)
- [NURS 285 Applied Pathophysiology for Nursing I](#)
- [NURS 361 Acute and Complex Care](#)
- [NURS 362 Applied Pathophysiology for Nursing II](#)
- [NURS 364 Nursing Leadership I](#)
- [NURS 406 Nursing Care of the Family](#)
- [NURS 416 Epidemiology in Nursing](#)
- [NURS 364 Nursing Leadership I](#)
- [NURS 459 Population-Based Care](#)
- [NURS 464 Nursing Leadership II](#)
- [NURS 485 Global Health Perspectives for Nursing](#)
- [NURS 490 Integrative Seminar and Practicum](#)

Organizational Administration Major BAS

This BAS program is designed to build on specific, related, AAS programs offered primarily by technical colleges. Therefore this AAS is only available to students who have completed specific related AAS programs approved by an official articulation agreement between Metropolitan State and the college offering the AAS degree.

The goal of this program is to educate and to train prospective and current employees who wish to build upon the technical strength of their associate degree training in order to take on greater responsibilities and seek advancement beyond their technical training.

Metropolitan State University organizational administration graduates can expect a dynamic and challenging career in ever-changing economic and global conditions. They can expect to be better positioned for employment opportunities and for promotions. They can expect to acquire the organizational, communication and critical thinking skills necessary for anyone accepting management positions in technical and non-technical fields. Graduating students are prepared for positions such as supervisor, department manager and agency director in business, business owner, nonprofit organizations and government.

This program can be completed on campus, online, or by combining on campus and online courses. Program requirements are the same, regardless of the delivery mode.

Acceptance to the Program

To be eligible for acceptance to the Organizational Administration major, students must submit a College of Management [Undergraduate Program Declaration Form](#) when the following is completed:

- The approved AAS degree specified in the approved articulation agreement
- GPA of 2.5 or higher in AAS
- COM Foundation Courses with a grade of C-, S or better (see below)

The COM Foundation Courses are prerequisites for many upper Division College of Management courses. Completing these courses early in your program will help you succeed and have the most valuable experience in other College of Management courses.

Requirements

The degree requirements have five components:

1. General Education and Liberal Studies

Students in degree programs at Metropolitan State University must complete while at the university, or transfer to the university, a number of courses to meet general education and liberal studies requirements. View [General Education and Liberal Studies \(GELS\)](#) for Metropolitan State University. Completion of an AAS does not satisfy MnTC or Metropolitan State University's General Education Liberal Studies Requirement.

2. Foundation Courses (22 credits)

To complete this BAS in 120 credits, you must successfully complete the first three courses (MIS 100, MATH 115, and STAT 201) or equivalent courses as part of your AAS degree.

- [MATH 115 College Algebra](#) (or higher)
- [STAT 201 Statistics I](#)
- [ACCT 210 Financial Accounting](#)
- [ECON 201 Macroeconomics](#)
- [ECON 202 Microeconomics](#)
- [MIS 100 Fundamentals of Information Technology in Organizations](#)

3. Business Core Courses (12 credits)

- [DSCI 434 Introduction to Operations Management](#)
- [FIN 390 Principles of Finance](#)
- [MGMT 310 Management Principles and Practices](#)
- [MIS 310 Principles of MIS](#)
- [MKTG 300 Marketing Principles](#)

4. Capstone (choose one of the following)

- [MGMT 499 Case Studies in Strategic Management](#) or

- [ENTR 490 Challenges and Choices in Small Business and Entrepreneurship](#)

5. **Elective Courses (4 upper-division credits from College of Management curriculum or equivalent)**

* Free waiver examinations are available for "testing out" of these courses. Contact your advisor or the College of Management Advising Center for information.

Course Prerequisites

Many College of Management courses are sequenced and build on previous learning. It is the student's responsibility to complete course prerequisites before registering for a course which requires prerequisites. In addition, students must complete 30 credits of coursework, including introductory and intermediate writing before they can register for College of Management upper division courses (those numbered 300 and above). MGMT 499 Case Studies in Strategic Management is a capstone class which should be taken during the last semester of the student's program.

Credit and Residency Requirements

Students in each of the College of Management bachelor of applied science major programs must complete a minimum of 20 credit hours of their major requirements and/or major electives at Metropolitan State University. In addition, students must complete at least 30 credits at Metropolitan State University in order to graduate.

College of Management Double Major Policy

Students may combine any two majors in the College of Management as a double major as long as there are at least 24 upper division semester credits of coursework in the second major that do not overlap the first major. Both majors must be completed at the time of graduation.

Organizational Communication Minor

Note: This minor cannot be combined with the professional communication major.

Requirements (17 total credits)

Required Courses (13 credits)

- [COMM 103 Public Speaking](#) or equivalent
- [COMM 171 Desktop Computer Designing for Communication](#) or equivalent
- [COMM 351 Communication in Work Groups](#)
- [COMM 352 Organizational Communication](#)

Electives (4 credits from the following)

- [COMM 333 Intermediate Intercultural Communication](#)
- [COMM 452 Advanced Organizational Communication](#)
- [MDST 485 Communicating with New Media](#)

Philosophy Major BA

The Philosophy Major allows you to design your own individualized course of study in philosophy. Your major in philosophy will consist of 36 credits of coursework, at least 32 of which must be philosophy courses. With departmental approval, up to 12 credits can be transferred from another institution. The major includes a capstone project to be completed in the student's final semester. Students register for the philosophy capstone as a student designed independent study with one of the department faculty.

Typically, after taking a course or two, you will declare your major and then meet with a member of the philosophy faculty in order to devise a plan for your course of study. In addition to proposing a set of courses, that plan will also include a written rationale explaining the coherence of the set of courses you propose to take. Your plan of study must be approved by the Department of Practical Philosophy and Ethics.

Recognizing that students choosing to major in philosophy may have a variety of goals and backgrounds, the philosophy faculty does not require a specific set of courses. We are unlikely, however, to approve a plan that does not include some study of the history of philosophy and some attention to the philosophically oriented study of diversity.

Acceptance to the Program

To be eligible for acceptance to the Philosophy major, students must submit a [College of Arts and Sciences Undergraduate Program Declaration Form](#). Consult with a departmental advisor before enrolling in courses toward the major.

Physics Minor

The physics minor provides students with a broad introduction to the discipline of physics combined with further exploration of at least one area of interest. The minor introduces students to the fundamental laws that govern nature and the universe and complements other majors where additional physics knowledge is of benefit. It prepares students to apply scientific methodology to solve physics problems, to think critically and quantitatively, to relate physics to their daily life and environment, and to understand the experimental and theoretical methods used in modern physics.

Each student must complete 20 credits in the minor including at least 5 upper division credits and at least 10 credits completed at Metropolitan State University. All prerequisite and required courses must be completed with grades of C- or above.

A minor represents significant learning beyond the student's major or program; therefore, each student must include at least 5 credits of coursework in the physics minor that is not counted as part of their major program or any other minor.

Students can be admitted to the physics minor once they have successfully completed the Prerequisite and Foundation courses.

Prerequisites

- [MATH 115 College Algebra](#) or [MATH 120 Pre-calculus](#)
- [MATH 210 Calculus I](#)
- [MATH 211 Calculus II](#)

Requirements (20 total credits)

Foundation Courses (10 credits)

- [PHYS 211 Calculus Based Physics I](#)
- [PHYS 212 Calculus Based Physics II](#)

Elective Courses (10 credits)

At least two courses from the following list, or other advanced courses by advisor permission, including at least 5 credits of Physics and combining to reach the total number of credits required for the minor (10 credits Metropolitan State, 5 credits upper division, 19 credits total)

- [PHYS 351 Thermodynamics](#)
- [PHYS 469 Seminars in Physics](#)
- [PHYS 479 Special Topics in Physics](#)
- [PHYS 489 Directed Research in Physics](#)
- [MATH 340 Mathematical Modeling](#)
- [MATH 350 Ordinary Differential Equations](#)
- [MATH 420 Numerical Analysis](#)

Political Science Minor

A minor in political science is particularly appropriate for students in professional programs such as psychology, law enforcement, criminal justice, human services, social work and international business. Such a minor is also an excellent complement for liberal arts students who are majoring in history, gender studies, professional communication, ethnic studies or philosophy.

Requirements (19-20 total credits)

Social science majors may not minor in anthropology, political science or sociology.

At least half of the credits required for the minor must be completed at Metropolitan State University. Students must earn a grade of C- or above in all minor courses.

Transfer courses may be applicable to minor requirements. The university's degree audit will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by the chair of the Social Science Department.

Introductory (3-4 credits)

- [POL 101 Introduction to American Government and Politics](#)

Survey (4 credits, select one)

- [POL 301 Citizenship in a Global Context](#) or
- [POL 321 World Politics](#)

Upper-division Electives in Political Science (12 credits)

Select 300-level courses in political science.

Students may also take the following courses as upper-division electives for the political science minor:

- [SSCI 300 Seeing Like a Social Scientist](#)
- [SSCI 311 Research Methods in Social Science](#)
- [SSCI 401 Social Science Seminar: Contending Perspectives](#)
- [SSCI 501 Great Ideas: Classics of Social Science](#)

Practical Ethics Minor

The practical ethics minor is designed to familiarize students with the nature and varieties of moral reasoning that are applied to areas of everyday experience, such as: business, marketing, management and sales; medicine and the delivery of health care; law enforcement; media and public relations; social service careers; civic life; and intimate life in the roles of friend, lover, partner, parent, child, man or woman, and racialized person. Practical ethics is a 20-credit minor meant to complement a degree in any professional field, such as marketing, management, counseling, nursing or human services.

Requirements (20 total credits)

Introductory Ethics

One course in ethics such as:

- [PHIL 301 Ethical Inquiry](#)
- [PHIL 352 Ethics Beyond Borders](#)
- [PHIL 354 Economic Justice](#)
- [PHIL 355 Moral Theory](#)

Philosophical Perspectives on Diversity

One course from among the following:

- [PHIL 306 Philosophy and Sexuality](#)
- [PHIL 362 African and African-American Philosophy](#)
- [PHIL 365 The Cultural Politics of GLBT Sexuality](#)
- [PHIL 366 Race and Racism: Philosophical Problems](#)

Professional Ethics

Two courses from the following:

- [PHIL 310 Environmental Philosophy](#)
- [PHIL 320 Business Ethics](#)
- [PHIL 321 Medical Ethics](#)
- [PHIL 325 Criminal Justice Ethics](#)
- [PHIL 327 Ethics in an Information Age](#)

Electives in Ethics

One additional course, chosen in consultation with a faculty advisor in the Practical Philosophy and Ethics Department.

Professional Communication Major BA

Two tracks lead to a major in professional communication: Public Relations and Organizational Communication.

Students complete prerequisites and initial courses (100-200) before intermediate courses (300) and intermediate courses before advanced courses (400-500). Major electives can be taken alongside either intermediate or advanced courses. Note: In the lists of requirements, an asterisk (*) denotes a course or workshop that has a theory seminar option (see Creative Learning Strategies section of this Catalog) for those students with extensive life or work experience.

Acceptance to the Program

To be eligible for acceptance to the Professional Communication major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Organizational Communication Track

Organizational communication specialists understand how internal communication can be improved through building teams, training, coordinating efforts, analyzing information flow and resolving conflicts.

Prerequisites

- [COMM 103 Public Speaking](#) or [COMM 103P](#)
- [COMM 171 Desktop Computer Designing for Communication](#) or equivalent

Required Courses

- Initial Courses
 - [INFS 315 Searching for Information](#)
- Intermediate Courses
 - [COMM 333 Intermediate Intercultural Communication](#) or
 - [COMM 361 Managerial Communication*](#)
 - [COMM 351 Communication in Work Groups*](#)
 - [COMM 352 Organizational Communication](#)
- Advanced Courses
 - [COMM 452 Advanced Organizational Communication](#)
 - [MDST 485 Communicating with New Media](#)

Electives (8 credits from the following)

- [COMM 320 Individual Rights and Public Discourse](#)
- [COMM 350I Communication Internship](#) (1-4 credits vary)
- [COMM 381 Public Relations Principles*](#)
- [COMM 482 Applied Communication Research](#)
- [COMM 499 Topics in Communication](#) (1-4 credits vary)
- [HSTD 393 Training Design and Instruction](#)
- [MDST 361 Visual Communications](#)
- [MDST 583 Online Training and Education](#)
- [WRIT 261 Business Writing](#)

Total Credits for the major, not including prerequisites (32 credits)

Public Relations Track

Public relations practitioners use their sophisticated communication skills, theoretical knowledge and analytical abilities to conduct advocacy campaigns, lobby and develop strategic relationships.

Prerequisites (3 credits)

- COMM 103 Public Speaking or COMM 103P

Required Courses (28 total credits)

- Initial Courses
 - INFS 315 Searching for Information
 - MDST 361 Visual Communication
- Intermediate Courses
 - COMM 320 Individual Rights and Public Discourse
 - COMM 380 Public Relations Writing
 - COMM 381 Public Relations Principles*
- Advanced Courses
 - COMM 385 Media Relations
 - COMM 481 Advanced Public Relations

Electives (4 credits from the following)

- COMM 350I Communication Internship (1-4 credits)
- COMM 351 Communication in Work Groups*
- COMM 383 Employee Communication (2 credits)
- MGMT 310 Management Principles and Practices
- MKTG 343 Integrated Marketing Communication
- SCRW 315 Film Production and Editing I
- WRIT 371 Editing

Total Credits for the major, not including prerequisites (32 credits)

Project Management Minor

This minor is designed for College of Management majors and students who have satisfied the following prerequisites or their equivalents. Project management is concerned with the overall planning and coordination of a particular project from inception to completion. It is the application of knowledge, skills, tools and techniques to a broad range of activities in order to meet the requirements of the project and ensure completion on time, within budget and to the required quality standards. The goal of project management is to implement projects successfully with systematic integration of technical, human and financial resources as well as the knowledge of legal issues and limitations. Project management is now one of the fastest growing career fields in business. The goal of the Project Management minor is to prepare students for such a dynamic and exciting field.

Prerequisite (4 credits)

- [MGMT 310 Management Principles and Practices](#)

Requirements (16 credits)

- [DSCI 420 Project Management](#)
- [DSCI 421 Project Planning and Budgeting](#)
- [DSCI 431 Managerial Problem-solving and Decision-making Methods](#)
- [BLAW 310 Business Law: UCC and Contracts](#)

Psychology Major BA

It is expected that all students receiving a BA degree with a psychology major will:

- demonstrate mastery of a basic core of psychological knowledge and theory;
- demonstrate an understanding of scientific methodology;
- enhance their development of interpersonal and intercultural sensitivity;
- demonstrate their ability to appropriately apply knowledge;
- understand the ethical issues and standards of psychology; and
- Be able to integrate learning in psychology with the needs of a pluralistic urban society.

Acceptance to the Program

To be eligible for acceptance to the Psychology major, students must submit a College of Health, Community and Professional Studies [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Requirements (40 total credits)

All students are expected to have at least 40 credits in psychology during the course of their BA studies. This includes transfer credits as well as academic work completed at Metropolitan State. At least 24 credits in the major must be taken at Metropolitan State; and at least 30 credits must be 300-level or above.

Pre- or co-requisites

- [PSYC 100 General Psychology](#)
- [PSYC 212 Introduction to Diversity and Ethics in Psychology](#)
- [PSYC 250 Academic and Career Pathways in Psychology](#)

In addition to psychology major requirements, students must complete the university's [general education and liberal studies requirements](#).

Required Courses

- [PSYC 312 Research Methods](#)
- [PSYC 405 History and Systems of Psychology](#)

PSYC 405 is an integrative capstone course; students are encouraged to delay this course until near the completion of their degree plan.

Core Content Areas

Select one course from each of three of the four areas below.

Area I

- [PSYC 336 Social Psychology](#)
- [PSYC 363 Community Psychology](#)

Area II

- [PSYC 309 Cognitive Psychology](#)
- [PSYC 317 Human Factors](#)
- [PSYC 330 Psychology of Learning: Contemporary Theories and Applications](#)
- [PSYC 345 Biopsychology](#)

Area III

- [PSYC 300 Abnormal Psychology](#)
- [PSYC 332 Psychology of Personality](#)

Area IV

- [PSYC 301 Adolescent Psychology](#)
- [PSYC 302 Adult Development and Lifelong Learning](#)
- [PSYC 308 Child Psychology](#)
- [PSYC 311 Life Span Developmental Psychology](#)

Psychology Electives (10 credits minimum)

Additional learning in psychology should be selected to form a coherent pattern appropriate to the student's goals and interests. Learning opportunities may include approved psychology-related courses, internships, faculty- or student-designed independent studies, prior learning assessments or theory seminars. With advisors' approval, students may select elective courses from among the following non-Psychology Department offerings.

- [HSFS 338 Family: Racial, Gender and Class Dimensions](#)
- [HSER 344 Counseling Theories and Techniques](#)
- [HSER 351 Crisis Intervention Skills and Strategies](#)
- [MGMT 320 Organizational Behavior](#)
- [MKTG 310 Consumer and Professional Buyer Behavior](#)
- [SOC 305 Race and Ethnicity: Sociological Perspectives](#)

- [SOC 306 Deviance and Social Control](#)
- [ANTH 309 New Neighbors: The U.S. Hmong Community](#)

Application of Knowledge (3 credits minimum)

All students are expected to demonstrate the ability to apply knowledge in their chosen area of psychology through an internship and its accompanying seminar, or through past work or community involvement.

Internships are expected for students entering psychology as a new field of study, and for students exploring a new area of psychology. Examples of possible internship settings include research laboratories, child care agencies, group homes, mental health agencies, and community centers working with children, teens and families, or the elderly. This requirement can also be met through departmental teaching assistantships or through research assistantships associated with the psychology laboratory. Students with experience in psychology-related areas may elect to apply for credit through the assessment of prior learning or theory seminars, or incorporate this learning into a student-designed independent study.

Psychology Minor

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 15 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

Required Courses (8 credits)

- [PSYC 100 General Psychology](#)

One of the following:

- [STAT 201 Statistics I*](#) or
- [PSYC 307 Data/Statistical Analysis for the Behavioral Sciences](#) or
- [PSYC 312 Research Methods](#) or
- [PSYC 317 Human Factors](#)

Guided Electives (Select 8 credits from two or more categories below)

- Developmental Psychology** or
- [PSYC 300 Abnormal Psychology](#) or
- [PSYC 332 Psychology of Personality](#) or
- [PSYC 336 Social Psychology](#) or [PSYC 363 Community Psychology](#)

Additional Electives

Students are to select 4 or more credits to reach all credit requirements noted above.

* Students taking STAT 201 are required to have only 12 upper division psychology credits.

** Developmental area courses at Metropolitan State include: [PSYC 301](#), [PSYC 302](#), [PSYC 308](#), [PSYC 308T](#), and [PSYC 339](#).

Psychology Minor – Child Psychology

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 12 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

The child psychology minor is designed for students who are interested in the theory and application of psychology to children. Such students might be interested in working with quality child care programming, education, prevention/early intervention work or in areas of social services in which a working knowledge of children's development and emotional needs is essential. The minor fits well with other majors including social work and human services.

Requirements (20 credits)

Required Courses (8 credits from the following)

- [PSYC 100 General Psychology](#)
- [PSYC 308 Child Psychology](#)

Guided Electives (4 credits)

- [PSYC 330 Psychology of Learning: Contemporary Theories and Applications](#)
- [PSYC 327 Psychological Testing](#)
- [PSYC 385 Educational Psychology](#)
- [PSYC 356 Early Childhood Development within a Social/Cultural and Historical Context](#)

Additional Electives (8 credits from the following)

- [PSYC 339 Working with Children in the Middle Years](#)
- [PSYC 102 Dynamics of Parent/Child Relationships](#)
- [PSYC 305 Behavior Disorders in Children](#)
- [PSYC 390 Mental Retardation: Issues, Assessment and Intervention](#)
- [PSYC 393 Special Education Overview](#)
- [PSYC 306 Child Abuse](#)
- [PSYC 212 Introduction to Diversity and Ethics in Psychology](#)
- [PSYC 313 Family Systems](#)

- [HSFS 342 Children in U.S. Society](#)
- [PSYC 360 Friday Forum Topics](#) relevant to child psychology (.5 semester credits per forum)

Psychology Minor - Educational Psychology

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 12 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

The educational psychology minor is designed for those students who are interested in the theory and application of psychology in education. Such students might be interested in working with early childhood development programming, education, prevention/early intervention work or in areas of training and education within an organizational setting. The minor fits well with other majors including social work, human services and human resources.

Requirements (20 credits)

Required Courses (8 credits)

- [PSYC 100 General Psychology](#)
- [PSYC 385 Educational Psychology](#)

Guided Electives (4 credits)

- [PSYC 330 Psychology of Learning: Contemporary Theories and Applications](#)
- [PSYC 327 Psychological Testing](#)
- [PSYC 384 Educational Futures](#)
- [PSYC 324 Practical Behavior Analysis and Modification](#)

Additional Electives (8 credits)

- [PSYC 339 Working with Children in the Middle Years](#)
- [PSYC 392 Psychology and Education of the Gifted](#)
- [PSYC 305 Behavior Disorders in Children](#)
- [PSYC 390 Mental Retardation: Issues, Assessment and Intervention](#)
- [PSYC 393 Special Education Overview](#)
- [PSYC 301 Adolescent Psychology](#)
- [PSYC 212 Introduction to Diversity and Ethics in Psychology](#)
- [PSYC 313 Family Systems](#)
- [PSYC 357 Observing and Assessing Young Children: Birth through Age Five](#)
- [PSYC 415 Principles of Teaching and Learning in Early Childhood](#)
- [PSYC 360 Friday Forum Topics](#) relevant to educational psychology (.5 credits per forum)

Psychology Minor – Industrial and Organizational Psychology

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 12 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

Requirements (20 credits)

The industrial and organizational psychology minor is designed for students who are interested in the application of psychology in an organizational setting. The minor involves that application of the methods, facts and principles of psychology to people at work. This minor may be of particular interest to students in human resource management or human services administration and to students who are working or aspire to work in public or private organizational settings.

Required Courses (8 credits)

- [PSYC 100 General Psychology](#)
- [PSYC 344 Personnel and Industrial Psychology](#)
(also listed as [HRM 330 Personnel and Industrial Psychology](#))

Guided Elective Courses (4 credits from the following)

- [PSYC 317 Human Factors](#)
- [PSYC 327 Psychological Testing](#)
- [PSYC 303 Artificial Intelligence](#)
- [PSYC 307 Data/Statistical Analysis for the Behavioral Sciences](#) or
- [STAT 201 Statistics I](#)

Other Elective Courses (8 credits from the following)

- [PSYC 314 Group Dynamics and Facilitation](#)
- [PSYC 323 The Nature of Creativity: A Psychological Perspective](#)
- [HSTD 394 Staff Training and Adult Development](#)
- [PSYC 319 The Impact of Technology on Human and Organizational Behavior](#)
- [PSYC 212 Introduction to Diversity and Ethnicity in Psychology](#)
- [PSYC 107 Career Planning and Development](#)
- [HSTD 389 Organizational Development and Change](#)
- [PSYC 360 Friday Forum Topics relevant to organizational and industrial psychology](#) (.5 credits per forum)

Psychology Minor for Law Enforcement Major

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 12 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

Requirements (20 credits)

Required Courses (8 credits)

- [PSYC 100 General Psychology](#)
- [STAT 201 Statistics I](#) or
- [PSYC 307 Data/Statistical Analysis for the Behavioral Sciences](#)
- [PSYC 333 Psychology of Victims](#)

Guided Electives (8 credits)

- A developmental psychology course
- [PSYC 300 Abnormal Psychology](#)
- [PSYC 336 Social Psychology](#) or
- [PSYC 363 Community Psychology](#)

Other Electives (4 credits or more)

Students are to select at least one additional elective learning opportunity in psychology.

Psychology Minor – Mental Health

To complete a psychology minor, students are required to take a minimum of 20 credits of psychology. Twelve of these 20 credits must be taken at Metropolitan State and 12 credits must be upper division. According to university general education policy, 12 credits of the minor may overlap with general education/liberal studies credits.

The mental health and psychology minor is designed for students who are interested in the theory and application of mental health issues. Such students might be interested in working with chronically mentally ill, wellness efforts, chemical dependency (with dual diagnosis), in social work positions or in areas of social services in which a working knowledge of mental health is essential. The minor fits well with other majors including social work and human services.

Requirements (20 credits)

Required Courses (8 credits)

- [PSYC 100 General Psychology](#)
- [PSYC 300 Abnormal Psychology](#)

Guided Electives (4 credits from the following)

- [PSYC 327 Psychological Testing](#)
- [PSYC 345 Biopsychology](#)
- [PSYC 400 Advanced Abnormal Psychology](#)
- [PSYC 508 Mental Health and the Law](#)

Other Elective Courses (8 credits from the following)

- [PSYC 102 Dynamics of Parent/Child Relationships](#)
- [PSYC 305 Behavior Disorders in Children](#)
- [PSYC 390 Mental Retardation: Issues, Assessment and Intervention](#)
- [PSYC 406 Introduction to Clinical Psychology](#)
- [PSYC 212 Introduction to Diversity and Ethics in Psychology](#)
- [PSYC 313 Family Systems](#)
- [PSYC 360 Friday Forum Topics](#) relevant to mental health and psychology (.5 credits per forum)
- [PSYC 330 Psychology of Learning](#)
- [PSYC 343 Drugs and Behavior: An Introduction](#)

Public Relations Minor

The minor in public relations gives students the opportunity to develop competence in oral, written and visual communication as well as the critical thinking skills necessary to make strategic choices while developing communications campaigns. Students are introduced to a core set of skills and theories, best practices in communication, and professional standards relevant to the practice of public relations.

Note: This minor cannot be combined with a major in the Public Relations track of the Professional Communication program.

Requirements (20 total credits)**Required Courses (16 credits)**

- [COMM 380 Public Relations Writing](#)
- [COMM 381 Public Relations Principles](#)
- [COMM 385 Media Relations](#)
- [COMM 481 Advanced Public Relations](#)

Electives (4 credits)

- [COMM 320 Individual Rights and Public Discourse](#)
- [COMM 351 Communication in Work Groups](#)
- [INFS 315 Searching for Information](#)
- [MDST 361 Visual Communication](#)

Religious Studies Minor

Religion is a central part of all cultures. From an academic perspective, the study of religion offers powerful insights into human behavior and cultures. Religious beliefs inform what people value and how they act. Religious differences are often used for political purposes, such as those seen in international conflicts and in American politics. On a personal level, many students have grown up with religious beliefs that sometimes sustain, and sometimes restrain, their development. Studying religion provides students, no matter what their upbringing, opportunities to expand both their personal perspectives and their analytical, critical thinking skills.

Sometimes students fear a conflict between the academic study of religion and personal faith. The teachers of the religious studies courses believe the study of religion can strengthen both thinking abilities and personal beliefs. These courses in religious studies present a diversity of traditions and offer students an opportunity to study religion in a supportive academic atmosphere. The courses incorporate multicultural perspectives, especially issues of race, gender, class, sexuality, disabilities and other differences.

Requirements (19-21 total credits)

- [RELS 301 Introduction to Religious Studies](#)
This required course may be waived with faculty approval given comparable previous study.

Elective courses (16 credits)

Students may choose any four courses in Religious Studies. If students wish, they may substitute one course from related courses in the College of Arts and Sciences for one of the Religious Studies elective courses. Religious Studies Worksheets are available from the College of Arts and Sciences for approved related courses.

- [RELS 301 Introduction to Religious Studies](#)
- [RELS 302 Introduction to the Hebrew Bible \(the Old Testament\)](#)
- [RELS 303 Introduction to the Christian Scriptures \(the New Testament\)](#)
- [RELS 304 Introduction to World Religions](#)
- [RELS 305 Jewish-Christian Encounter](#)
- [RELS 306 The Spiritual Journey](#)
- [RELS 307 Civil Religion: Theory, Practice, Analysis](#)
- [RELS 308 World of Islam](#)
- [RELS 309 Justice, War and Peace in Judaism, Christianity and Islam](#)
- [RELS 333 Race and Religion](#)

- [RELS 344 Religion and Psychology](#)
- [RELS 366 Religion, Morality and Contemporary U.S. Society](#)
- [RELS 377 Women and Religion](#)
- [RELS 390 Zen Buddhism in American Culture](#)

Research and Information Studies Minor

The Research and Information Studies Minor explores information studies as a discipline. Students develop professional level research skills and strategies using research libraries, online databases, regular collections and special collections and archives. In addition to the joy of intellectual curiosity, courses cover many current issues including privacy, censorship, international sources, the evaluation of arguments, and the publishing industry. This is a useful minor for students interested in continuing their post-BA studies in the fields of library science, law, writing and professional communication.

Requirements (18-20 total credits)

Required Courses (12 credits)

- [INFS 315 Searching for Information](#)
- [INFS 338 The Craft and Commerce of Book Publishing](#)
- [INFS 340 Research in Special Collections and Archives](#)

Electives (6-8 credits)

Choose two of the following:

- [ARTS 300 Museums and Galleries](#)
- [ARTS 302 Exhibition Practices: Group Internship \(2 credits\)](#)
- [INFS 335 Youth Participation and Teen Literature \(prereq. of LIT 332\)](#)
- [INFS 518 Information Issues](#)
- [INFS 350I Information Studies Individual Internship](#)
- [LIT 332 Adolescent Literature](#)
- [MDST 580 Issues in Communication Technology](#)

Risk Management and Insurance Minor

This minor is designed for College of Management majors and students who have satisfied the following prerequisites or their equivalents:

- [ACCT 210 Financial Accounting](#)
- [MKTG 300 Marketing Principles](#)

The Risk Management and Insurance Minor at Metropolitan State University provides the student an in-depth study of the risk management process and the operational, legal, moral, and social issues surrounding the life, health, property, and casualty insurance industries along with the employee benefits area. The financial consequences of being exposed to pure risk are explored for individuals and businesses. The tools for handling these exposures are critically analyzed along with the process of implementing financial and other strategies to prepare for possible outcomes.

This minor introduces students to the risk management discipline and multiple career paths, including corporate risk manager, benefits manager, insurance agent/broker, underwriter, loss adjuster, consultant, and personal financial planner.

All courses for the Risk Management and Insurance minor at Metropolitan State University are only offered on an online basis.

Curriculum Requirements (16 Credits)

Required Courses (12 credits)

- [RMI 300 Insurance and Risk Management](#) (4 credits)
- [RMI 304 Life and Health Insurance](#) (2 credits)
- [RMI 306 Property and Casualty Insurance](#) (2 credits)
- [BLAW 310 Business Law: UCC and Contracts](#) (4 credits)

Elective Courses (4 credits)

- [ECON 316 Health Economics](#) (4 credits)
- [HRM 544 Employee Benefits Management](#) (4 credits)
- [MKTG 435 Sales and Sales Management](#) (4 credits)
- [MKTG 456 Professional Negotiations](#) (4 credits)
- [PFIN 101 Personal Finance and Investing](#) (3 credits)

Screenwriting Major BA

The screenwriting major provides a multidisciplinary experience intended to nurture original cinematic voices, cultivate creativity, develop marketable skills, and prepare students for graduate school and life long careers. A core curriculum of screenwriting is supplemented with studies in creative writing, theater, film studies, and film production. This holistic approach recognizes the benefit of engaging in complementary fields of study that contribute to capable, curious, and creative professionals in screenwriting, writing/directing, and related new media.

Acceptance to the Program

To be eligible for acceptance to the Screenwriting major, students must submit a College of Arts and Sciences Undergraduate Program Declaration Form. Consult with an advisor before enrolling in courses toward the major.

Required Courses (43-44 total credits)

Seven core courses required (28 credits)

- SCRW 313 Beginning Screenwriting
- SCRW 314 New Screenplay Forms
- SCRW 415 Screenplay Style and Substance
- SCRW 315 Film Production and Editing I
- SCRW 410 Film Production and Editing II
- SCRW 416 Senior Projects in Screenwriting and Writing/Directing or an Internship
- MDST 371 American Film: Traditions and Trends

Choose one of the following as long as it is not repeated in any other area.

- MDST 370 Contemporary Cinema
- MDST 378 World Cinema
- IDST 370 Cinema, Self and Other

Choose one of the following as long as it is not repeated in any other area.

- WRIT 251 Introduction to Creative Writing
- WRIT 353 Writing Short Fiction
- MDST 560 Writing for Television

Choose one of the following as long as it is not repeated in any other area.

- THEA 400 Playwriting
- THEA 345 Acting III
- THEA 387 Theater History II: Contemporary
- THEA 321 Directed Readings in Theater

Choose one of the following as long as it is not repeated in any other area.

- ARTS 316 Intermediate Photography
- GNDR 369 GLBT Issues in Literature and Film
- IDST Cinema, Self and Other
- MDST 560 Writing for Television
- LIT 301 The Short Story
- LIT 342 American Literature: 1870 to Present
- LIT 315 Gender in Literature and Film
- MDST 370 Contemporary Cinema
- MDST 561 Advanced Writing for Television

Internships

Internships in screenwriting, film, television, cable, and emerging media/technologies are highly recommended and may serve as effective stepping stones to careers and personal growth. Students in the past have interned for companies in the Twin Cities, Los Angeles and New York. Guidance for arranging internships in Los Angeles and New York is offered through the screenwriting program.

Other Graduation Requirements

To graduate from Metropolitan State University with a bachelor of arts in screenwriting, students must complete at least 120 semester credits. Forty of these semester credits must be at the upper-division level (courses numbered 300 or above). In addition, students must complete while at the university, or transfer to the university, a number of courses to meet the general education and liberal studies requirements. Students must complete a minimum of 20 credits of the screenwriting major at Metropolitan State University.

Technical Communication and Professional Writing Major BA

The major in Technical Communication and Professional Writing provides students with a foundation in the writing, editing, research, and digital communication skills that are essential for writing professionals in industry, government, non-profit and freelance careers. Faculty who teach in the program combine academic and workplace experience, educating students in both ideas and implementation, principles and practice.

In addition to completing a core curriculum, students select a track in either Technical Communication or Professional Writing to complete the major.

Technical Communication Track: Technical communication is a growing field that has become an increasingly important mediator between technologies and the people who use them. Students completing this track take classes in technical writing, advanced Web writing and design, the use of instructional media, and trends in communication technology. The Technical Communication track prepares students for careers in growing areas such as web content development and design, online education and training, technical editing, technical marketing communications, and product documentation.

Professional Writing Track: The Professional Writing track prepares students to become creative, versatile, and digitally savvy communicators who understand how to write and edit in both print and electronic environments. Students in this track take classes in writing for publication, as well as writing for social media and multimedia. They also choose from a rich array of electives, including courses in grant writing, freelance writing, book publishing, public relations writing, and screenwriting. The Professional Writing track prepares students for careers in such fields as magazine writing and editing; grant writing; writing for marketing or public relations; employee communications; web content development; and print and electronic publishing.

Acceptance to the Program

To be eligible for acceptance to the Technical Communication and Professional Writing major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Total Credits: 46-48

Core Curriculum (27-28 credits including prerequisites)

Prerequisites (4 cr)

- WRIT 301 Professional and Technical Writing Careers (2 cr)
- WRIT 280 Digital Tools for Writing and Communication (2 cr)

Requirements (23-24 cr)

- INFS 315 Searching for Information (4 cr)
- WRIT 371 Editing (4 cr)
- WRIT 372 Document and Information Design I (4 cr)
- WRIT 373 Writing and Designing for the Web I (4 cr)
- WRIT 350I Writing Internship (3-4 cr)
- WRIT 461 Writing and Technical Communication Capstone (4 cr)

Technical Communication Track (19 credits)

Requirements (15 cr)

- WRIT 271 Technical Writing (3 cr)
- WRIT 573 Writing and Designing for the Web II (4 cr)
- WRIT 574 Usability for Technical Communication or MDST 580 Issues in Communication Technology (4 cr)
- MDST 583 Online Education and Training (4 cr)

Electives (4 cr) one class from the following:

- WRIT 377 Writing Proposals and Grants
- MDST 485 Communicating with New Media
- MDST 580 Issues in Communication Technology
- WRIT 531 Advanced Writing
- WRIT 571 Advanced Editing
- WRIT 574 Usability for Technical Communication
- WRIT 575 Environmental Communication
- WRIT 599 Advanced Topics

Professional Writing Track (20 credits)

Requirements (8 cr)

- WRIT 341 Writing the News in a Digital World or WRIT 342 Writing for Online and Print Magazines
- MDST 485 Communicating with New Media

Electives (12 cr)

Three classes from the following:

- [WRIT 341 Writing the News in a Digital World](#)
- [WRIT 342 Writing for Online and Print Magazines](#)
- [WRIT 377 Writing Proposals and Grants](#)
- [WRIT 531 Advanced Writing](#)
- [WRIT 532 Writing about Place](#)
- [WRIT 541 Writing for Publication and Profit](#)
- [WRIT 571 Advanced Editing](#)
- [WRIT 575 Environmental Communication](#)
- [WRIT 583 Writing Major Projects](#)
- [WRIT 599 Advanced Topics](#)
- [INFS 338 The Craft and Commerce of Book Publishing](#)
- [COMM 380 Public Relations Writing](#)
- [MKTG 348 Advertising Design, Production and Copywriting](#)
- One 4-credit creative writing or screenwriting class

Technical Communication Minor

The technologies around us change rapidly and constantly, and the Technical Communication minor teaches students how to communicate about technology to a wide range of audiences, using print and online media. Students pursuing degrees in many areas (such as computer science; natural science; business; or liberal arts) may enhance their marketability due to the applied nature of the minor. Graduates will be able to apply principles of audience analysis to technical communication situations; analyze and create a website that effectively communicates with its audience; and apply technical communication skills to all of their writing.

The goal of the minor is to strengthen students' abilities to write about technology and to use technology to write. You will learn basic principles of editing, document design, and web design.

Required Courses (17 credits)

Up to eight (8) credits may be transferred

- [WRIT 271 Technical Writing](#) (3 cr)
- [WRIT 301 Professional and Technical Writing Careers](#) (2 cr)
- [WRIT 371 Editing](#) (4 cr)
- [WRIT 372 Information and Document Design I](#) (4 cr)
- [WRIT 373 Writing and Designing for the Web I](#) (4 cr)

Transfer courses may be applicable to minor requirements. The university's degree audit system (DARS) will specify transfer courses that are directly equivalent to minor requirements; other transfer courses must be approved by the coordinator of the technical communication minor. For more information, please contact Fred Carpenter at 651-999-5958 or send an email to techcomm@metrostate.edu.

Note: This minor is not available to Technical Communication and Professional Writing majors.

Theater Major BA

The theater program is designed to provide students with a basic understanding of and critical appreciation for the basic elements of theater, including acting, directing and playwriting. Among the hallmarks of the theater degree is an emphasis on students creating original works, allowing valuable insight into the creative process and its practical applications. Additionally, a study of the great traditions of theater and the development of skills can empower students toward their own clear and original voice, a valuable asset in any profession. For this reason, the program also encourages the integration of theater skills and theory within other disciplines and individual studies. Students are welcome to contact a theater program advisor to better focus these integrations.

Metropolitan State University encourages experiential internships with the Twin Cities area theaters and offers credit for prior learning experience. A BA in theater is offered through university collaboration with the Minneapolis Community and Technical College (MCTC), where Metro's program is located, and classes are integrated from the existing curricula of the two institutions. Students may also enter Metropolitan State's upper division program with similar credits from other accredited programs.

Acceptance to the Program

To be eligible for acceptance to the Theater major, students must submit a College of Arts and Sciences [Undergraduate Program Declaration Form](#). Consult with an advisor before enrolling in courses toward the major.

Note: It is highly recommended that theater majors and minors take one of the following two courses before proceeding to the major or minor.

- THTR 1131 Introduction to Theater (MCTC) **or**
- [THEA 321 Directed Readings in Theater](#) (Metropolitan State)

Requirements (35-37 total credits)

**Minneapolis Community and Technical College or equivalent lower-division transfers.
(Maximum of 14 lower-division credits)**

- THTR 1104 Introduction to Acting **or**
THTR 1160 Acting in Multicultural Theater **or**
THTR 2105 Introduction to Acting II
- THTR 1145 Stagecraft: Scene Design and Lighting
- THTR 1161-69 Theater Topics **or**
any THEA course available at Metropolitan State University
- THTR 2145 Introduction to Directing
- THTR 2150 Theater History I

Metropolitan State University (Minimum of 22 upper-division credits)

Metropolitan State University courses are listed in suggested order.

- [THEA 321 Directed Readings in Theater](#)
- [THEA 345 Acting III or THEA 445 Advanced Acting](#)
- [THEA 351 Production and Performance Laboratory*](#)
- [THEA 387 Theater History II: Contemporary](#)
- [THEA 400 Playwriting I](#)
- [THEA 540 Directing and Creating Theater*](#)

*The major and minor degree program require a minimum of two THEA 351 Production and Performance credits off-stage (scenery, props, running crew, marketing, house management, costumes, etc.). Additional THEA 351 credits (a maximum of six) may be taken as electives in the area of performance.

Electives

Theater majors are encouraged to enhance their degree programs by completing elective courses in some of the following areas: Shakespeare, creative writing, screenwriting, studio arts, music, intermedia arts, media studies, literature and storytelling.

Recognizing that there may be transfer students from other two-year institutions, students should work with theater faculty advisors to make sure that equivalent classes can count toward the major.

Theater Minor

Skills and insights acquired through the study of theater can be life enhancing. A Theater Minor can be focused beyond the basic requirements to provide for an individualized study, encouraging the integration of theater skills and tools within many other disciplines. Specifically, in the minor, students acquire a basic understanding of, and critical appreciation for, contemporary theater art. Additionally, an appreciation of the great traditions of the theater experience on and off stage, and studies in playwriting, acting, improvisation, directing, etc. can enhance creativity, aesthetic engagement, leadership and an increased ability to achieve across the curriculum, empowering students toward effective communication and a clear, authentic "voice."

The theater minor is flexibly aimed at integration with other majors, but it may be supported by courses in: Shakespeare, creative writing, screenwriting, studio arts, music, experimental intermedia arts, media studies, literature and storytelling.

Requirements (22 total credits)

Courses are listed in suggested order.

- [THEA 321 Directed Readings in Theater](#)
- [THEA 331 Voice: Speaking from Experience](#) or
 - [THEA 345 Acting III](#)
- [THEA 351 Production and Performance Laboratory](#)
- [THEA 387 Theater History II: Contemporary](#)
- [THEA 400 Playwriting I](#)
- [THEA 540 Directing and Creating Theater](#) or
 - Internship/Independent Study (Instructor's permission required)

The major and minor degree programs require a minimum of two practicum credits throughout the course of study through [THEA 351 Production and Performance Laboratory](#), where students work in a department shop (scenery, props, marketing, and costumes), or perform as actors, running crew, board operation, set-up/strike crew, house management, etc. for the run of a production.

Training and Adult Development Minor

The training and adult development minor focuses on employee/staff training and adult development and examines the training roles and functions within human services organizations. Attention is given to identifying training needs, strategies for meeting those needs, information on adult learning and the overall purpose of employee development and training. Students learn how to develop and design complete training programs and are prepared to work in organizations as trainers, managers or directors.

The training and adult development minor is a 20-credit curriculum option with two main components:

- Three required four-credit courses intended to acquaint students with theoretical and practical components of adult learning and theory, training design and instruction, and the overall purpose of training and adult development;
- Two elective four-credit courses are selected from a series of courses; and
- Students who have not worked in training and adult development are advised to complete a pre-practicum and practicum internship in training and adult development. Students with extensive experience in training and adult development may receive credits through the assessment of prior learning process or take an additional elective course.

Requirements (20 Credits)

Required Core Courses (12 credits)

- [HSTD 394 Staff Training and Adult Development](#)
- [HSTD 393 Training Design and Instruction](#)
- [HSTD 389 Organizational Development and Change](#)

Elective Courses (4-8 credits from the following)

Students may select at least two courses from this following list as electives:

- [HSA 369 Program Evaluation](#)
- [HSER 331 Human Services Group Practicum and Seminar \(prerequisite HSER 320\)](#)
- [HSTD 386 Creative Problem-solving Concepts and Methods](#)
- [HSTD 390 Conflict Resolution](#)
- [HSTD 397 Career Pathing](#)
- [HSTD 498 Human Services Organization Consulting Approaches and Techniques](#)
- [HRM 310 Human Resource Management: A Strategic Framework](#)
- [MDST 484 Media in the Enterprise](#)
- [PSYC 302 Adult Development and Lifelong Learning](#)
- [PSYC 327 Psychological Testing](#)
- [PSYC 385 Educational Psychology](#)

Urban Early Childhood Education (Birth-Grade 3 Licensure) BS

The Urban Early Childhood Education major in School of Urban Education (UED) is designed to meet the needs of urban early learning settings for teachers who can promote young children's development from birth to age 8 and improve their educational achievement up to grade 3 with positive impact lasting a lifetime. The School prepares prospective teachers who can build on the talents and resiliency of diverse urban learners for success in school and life. Our approach to teacher education focuses on preparing diverse, reflective and resilient teachers who are outstanding in their commitment to teaching urban youth and providing equal educational opportunity. By attracting teachers of color and low-income or first generation college students into teaching careers, the School provides urban schools with competent educators who can relate to the experiences of culturally and linguistically diverse youth and their communities.

The mission of the School is twofold: 1) to increase the number of well-prepared teachers of color in Minneapolis, St. Paul and inner-ring suburbs so that the teaching workforce reflects the ethnically diverse population of students and their communities; and 2) to empower urban teachers with the content knowledge, pedagogical skills, urban field experiences, and professional dispositions needed to improve the educational achievement of historically and currently underserved urban learners and to advocate for their right to receive a high quality education.

Visit the website or call 651-999-5920 for more information.

Acceptance to the Program

To be eligible for acceptance to the Urban Early Childhood Education major and birth- grade 3 licensure program, students must submit a School of Urban Education [Undergraduate Program Declaration Form](#) and apply for admission to the Urban Teacher Program. To be admitted in the Urban Teacher Program, students need to meet the requirements and criteria stated in the [Guide to Admission in the Urban Teacher Program](#).

Requirements (69-72 total credits)

Courses Required for Admission to the Urban Teacher Program

The following courses are open to all students and are among the requirements for admission to the Urban Teacher Program.

- EDU 200 Intro to Urban Education & Reflective Teaching
- EDU 203 Multicultural Education
- PSYC 308 Child Psychology
- PSYC 417 Language and Communication Development in ECE
- ETHS ### (a UTP-approved ethnic studies course; contact the School for a list)
- University General Education Requirements (All 10 Goal Areas completed, 40 cr)

Professional Education (55-58 credits)

All 300-400 level EDU courses require admission to the Urban Teacher Program or department approval in order to enroll and are expected to be completed as listed below by CORE sequence.

CORE I Foundation Courses (15 cr, Prerequisites: ALL courses required for UTP admission)

- EDU 321 Urban Infant-Toddler Curriculum and Practicum
- EDU 331 Physical Development, Health, Nutrition, Effects of Drugs in Birth-Grade 6
- EDU 341 The Child and Family in an Urban Setting
- EDU 361 The Arts in Early Childhood and Elementary Education
- EDU 383 Information Technology in K-12 Education

NOTE: CORE I courses include 25 hours of documented urban field experiences

CORE II Professional Education Courses (14-15 cr, Prerequisites: ALL CORE I requirements)

- PSYC 357 Observing and Assessing Young Children
- PSYC 359 Positive Behavior Guidance
- EDU 323 Urban Pre-K and Kindergarten Curriculum and Practicum and co-requisite EDU 311 Urban Teaching Practicum & Seminar
- EDU 325 Emergent Literacy
- EDU 333 Assessment of Learning in Urban Grades K-6

NOTE: CORE II courses include 25 hours of documented urban field experiences

CORE III Professional Education Courses (13 cr, Prerequisites: ALL CORE I & II requirements)

- EDU 330 Teaching Children's Literature in Urban Grades K-6
- EDU 481 Urban Grades 1-6 Curriculum and Practicum
- EDU 483 Foundations of Teaching Reading in Urban Grades K-6
- EDU 484 Teaching and Assessing Young Children with Disabilities

NOTE: CORE III courses include 30 hours of documented urban field experiences

CORE IV Professional Methods Courses (13-15 cr, Prerequisites: ALL CORE I, II & III requirements)

- EDU 430 Historical and Cultural Foundations of Urban Education
OR PSYC 356 Early Childhood Education within a Historical, Social, and Cultural Context

- EDU 486 Teaching Math and Science in Urban Grades 1-3
- EDU 487 Methods of Teaching Reading in Urban Grades K-6 and co-requisite EDU 450 Advanced Urban Teaching Practicum & Seminar
- LAED 440 Methods of Teaching Language Arts in Urban Grades K-6

NOTE: CORE IV courses include 40 hours of documented urban field experiences

Pre-Professional Teaching Experience (9 cr total, Prerequisites: ALL CORE I, II, III & IV requirements)

- EDU 485 Student Teaching in Urban Pre-K & Kindergarten Classroom (3 or 6 credits) AND EITHER
- EDU 475 Student Teaching in the Urban Infant -Toddler Classroom (3 or 6 credits) OR
- EDU 490 Student Teaching in Urban Primary Grades 1-3 Classroom (3 or 6 credits)

NOTE: This experience is required for licensure not the major or degree. Different options exist with different age groups for completing the Pre-Professional Teaching Experience, and these options have different pre-requisite field experience requirements that need to be considered while completing CORE I-IV requirements. Teacher Candidates must notify the Field Experience Director two semesters prior to doing their student teaching. They must also submit a student teaching application by September 1 for spring placements and February 1st for fall placements.

Urban Elementary Education (Kindergarten-Grade 6 Licensure) BS

The Urban Elementary Education major in the School of Urban Education (UED) is designed to meet the needs of urban elementary schools for teachers who can improve K-6 students' educational achievement. The School prepares prospective teachers who can build on the talents and resiliency of diverse urban learners for success in school and life. Our approach to teacher education focuses on preparing diverse, reflective and resilient teachers who are outstanding in their commitment to teaching urban youth and providing equal educational opportunity. By attracting teachers of color and low-income or "first generation" college students into teaching careers, the School provides urban schools with competent educators who can relate to the experiences of culturally and linguistically diverse youth and their communities.

The mission of the School is twofold: 1) to increase the number of well-prepared teachers of color in Minneapolis, St. Paul and inner-ring suburbs so that the teaching workforce reflects the ethnically diverse population of students and their communities; and 2) to empower urban teachers with the content knowledge, pedagogical skills, urban field experiences, and professional dispositions needed to improve the educational achievement of historically and currently underserved urban learners and to advocate for their right to receive a high quality education.

Visit the [website](#) or call 651-999-5920 for more information.

Acceptance to the Program

To be eligible for acceptance to the Urban Elementary Education major and grades K-6 licensure program, students must submit a School of Urban Education [Undergraduate Program Declaration Form](#) and apply for admission to the Urban Teacher Program. To be admitted in the Urban Teacher Program, students need to meet the requirements and criteria stated in the [Guide to Admission in the Urban Teacher Program](#).

Requirements (71-73 total credits)

Courses Required for Admission to the Urban Teacher Program

The following courses are open to all students and are among the requirements for admission to the Urban Teacher Program.

- EDU 200 Intro to Urban Education & Reflective Teaching
- EDU 203 Multicultural Education
- PSYC 308 Child Psychology
- ETHS ### (a UTP-approved ethnic studies course; contact the School for a list)
- University General Education Requirements (All 10 Goal Areas completed, 40 cr)

Recommended General Education courses to meet prerequisites for CORE IV Professional Methods Courses

Six total content courses are required before taking CORE IV Professional Methods courses that focus on teaching the content of mathematics, science and social studies to elementary school students. Students can begin taking these classes before being admitted to the School and can use them to partially fulfill university General Education or MN Transfer Curriculum requirements.

Mathematics: 2 courses are prerequisites for MAED 440

- MAED 106 Math for Elementary Teachers

And one of the following to meet GELS Goal Area 4 Mathematics:

- MATH 110 Math for Liberal Arts or
- MATH 115 College Algebra or
- STATS 201 Statistics I

Science: 2 courses are prerequisites for SCED 440

Courses can include any science courses used to meet GELS Goal Area 3 Natural Sciences and Goal Area 10 People and the Environment. Must be from any two sciences such as Astronomy, Biology, Chemistry, Earth Science, Environmental Science, Geology, Natural Science or Physics.

Social Studies: 2 courses from two different subject areas taught in urban elementary schools (i.e., American Government, Economics, Ethnic Studies, Geography, U.S. History, or World History) are prerequisites for SSED 440.

Courses can be used to meet GELS Goal Areas GELS Goal Area 5 History/Social Science; Goal Area 6 Humanities and Fine Arts; Goal Area 7 Human Diversity; Goal Area 8 Global Perspective; Goal Area 9 Ethical and Civic Responsibility; and/or Goal Area 10 People and the Environment). Some suggested courses are:

- GEOG 201 Introduction to Geography
- POL 101 Introduction to American Government and Politics
- HIST 101 The American Past: To 1865
- HIST 102 The American Past: From 1865
- HIST 103 World History I: Patterns of Civilization to 1500
- HIST 104 World History II: The Modern World, 1500 to the Present

Professional Education (61-63 credits)

All 300-400 level EDU courses require admission to the Urban Teacher Program or department approval in order to enroll and are expected to be completed as listed below by CORE sequence.

CORE I Foundation Courses (11 cr, Prerequisites: ALL courses required for UTP admission)

- EDU 331 Physical Development, Health, Nutrition, Effects of Drugs in Birth-Grade 6
- EDU 341 The Child and Family in an Urban Setting
- EDU 361 The Arts in Early Childhood and Elementary Education
- EDU 383 Information Technology in K-12 Education

NOTE: CORE I courses include 25 hours of documented urban field experiences

CORE II Professional Education Courses (13-14 cr, Prerequisites: ALL CORE I requirements)

- EDU 323 Urban Pre-K and Kindergarten Curriculum and Practicum
- EDU 311 Urban Teaching Practicum & Seminar
- EDU 330 Teaching Children's Literature in Urban Grades K-6
- EDU 333 Assessment of Learning in Urban Grades K-6
- EDU 345 Integrated Classroom Management Methods in Urban Grades K-6

NOTE: CORE II courses include 25 hours of documented urban field experiences

CORE III Professional Education Courses (14 cr, Prerequisites: ALL CORE I & II requirements)

- EDU 481 Urban Grades 1-6 Curriculum and Practicum
- EDU 483 Foundations of Teaching Reading in Urban Grades K-6
- EDU 435 Teaching and Assessing English Language Learners K-12
- MAED 106 Math for Elementary Teachers

NOTE: CORE III courses include 25 hours of documented urban field experiences

CORE IV Professional Methods Courses (23-24 cr, Prerequisites: ALL CORE I, II & III requirements)

Reading, Language Arts and Social Studies Cluster (12-13 cr):

- EDU 487 Methods of Teaching Reading in Urban Grades K-6
- EDU 450 Advanced Urban Teaching Practicum & Seminar
- LAED 440 Methods of Teaching Language Arts in Urban Grades K-6
- SSED 440 Social Studies Curriculum and Differentiated Methods in Urban Grades K-6
- EDU 430 Historical and Cultural Foundations of Urban Education

NOTE: This Cluster includes 25 hours of documented urban field experiences

Math, Science and the Exceptional Learner Cluster (11 cr):

- MAED 440 Teaching Mathematics to Urban Learners in Grades K-8
- SCED 440 Science Curriculum and Differentiated Instruction in Urban Grades K-6
- EDU 484 Teaching and Assessing Young Children with Disabilities

NOTE: This Cluster includes 25 hours of documented urban field experiences

Pre-Professional Teaching Experience (8 cr, Prerequisites: ALL CORE I, II, III & IV requirements)

- EDU 495 Student Teaching in the Urban Elementary School K-6 (full-time M-F for 12 weeks)

NOTE: This experience is required for licensure not the major or degree. Teacher Candidates must notify the Field Experience Director two semesters prior to doing their student teaching. They must also submit a student teaching application by September 1 for spring placements and February 1st for fall placements.

Pre-Primary Endorsement Licensure Option (6 credits)

To add a license endorsement to teach preschool children, also complete:

- PSYC 357 Observing and Assessing Young Children (2 cr)
- PSYC 359 Positive Behavior Guidance (2 cr)
- EDU 325 Emergent Literacy
- 40 hour practicum in an urban Pre-K classroom

Urban Secondary Education for Grades 5-12 Licensure

The Urban Secondary Education licensure program within the School of Urban Education (UED) is designed to meet the needs of urban middle and high schools for teachers who can improve students' educational achievement. The School prepares prospective teachers who can build on the talents and resiliency of diverse urban learners for success in school and life. Our approach to teacher education focuses on preparing diverse, reflective and resilient teachers who are outstanding in their commitment to teaching urban youth and providing equal educational opportunity. By attracting teachers of color and low-income or "first generation" college students into teaching careers, the School provides urban schools with competent educators who can relate to the experiences of culturally and linguistically diverse youth and their communities.

The mission is twofold: 1) to increase the number of well-prepared teachers of color in Minneapolis, St. Paul and inner-ring suburbs so that the teaching workforce reflects the ethnically diverse population of students and their communities; and 2) to empower urban teachers with the content knowledge, pedagogical skills, urban field

experiences, and professional dispositions needed to improve the educational achievement of historically and currently underserved urban learners and to advocate for their right to receive a high quality education.

Visit the [website](#) or call 651-999-5920 for more information.

Course Requirements for Teaching Licensure (38 credits plus specific content area coursework)

Pre-Professional Education Courses (6 credits)

The following courses are open to all students and, among other requirements, are needed for admission to the School of Urban Education. To be admitted in the Urban Teacher Program, students need to meet the requirements and criteria stated in the [Guide to Admission in the Urban Teacher Program](#). Contact the School for more information about program Admission requirements.

- [EDU 200 Introduction to Urban Education and Reflective Teaching](#)
- [EDU 203 Multicultural Education](#)
- [Approved 4-credit ETHS course](#)

Professional Education Courses (24 credits)

The following courses are open to students who are admitted to the School. Students must complete field experiences in an urban middle school and an urban high school while completing the following Professional Education courses, but prior to doing their student teaching.

- [EDU 300 Assessment of Learning and Teaching in Diverse Urban Classrooms](#)
- [EDU 306 Urban Middle School & High School Teaching Methods](#) and co-requisite [EDU 311 Urban Teaching Practicum and Seminar](#)
- [EDU 310 Teaching and Assessing Students with Disabilities in Urban 5-12 Classrooms](#)
- [EDU 383 Information Technology for K-12 Education](#)
- [EDU 400 Literacy Education in Urban Schools](#)
- [EDU 415 Managing Learning in Diverse Urban 5-12 Classrooms](#)
- [EDU 430 Historical and Cultural Foundations of Urban Education](#)
- [EDU 435 Teaching ELL Students in Content Area Classrooms](#)
- [EDU 450 Advanced Urban Teaching Practicum and Seminar](#) with co-requisite content methods course for specific licensure area as listed below

Content Area Majors and Required Methods Courses for Grades 5-12 Licensure (credits vary by major)

In addition to required Professional Education courses for licensure listed above, teacher candidates must complete methods course work in the specific content areas in which they will be licensed to teach after they have completed most of the other coursework required for their content major. The links below will go to the major requirements:

- Major Courses for [BS in English Teaching](#) for students pursuing communication arts and literature licensure and the following content methods courses:
 - [LAED 445 Teaching Writing and Communications in Urban Grades 5-12 and](#)
 - [LAED 450 Teaching Language Arts in Urban Middle and High Schools](#)

- Major Courses for BS in Life Sciences Teaching for students pursuing life sciences with general science licensure, including the following content methods courses:
 - SCED 445 The Practice of Science
 - SCED 450 Science Methods for Urban Grades 5-12 Classrooms and Lab
- Major Courses for BS in Mathematics Teaching for students pursuing mathematics licensure, including the following content methods courses:
 - MAED 440 Teaching Mathematics to Urban Learners in Grades 4-8
 - MAED 450 Teaching High School Mathematics to Urban Learners in Grades 9-12
- Major Courses for BS in Social Studies Teaching for students pursuing social studies licensure and the following content methods course:
 - SSED 450 Social Studies Methods for Urban Classrooms grades 5-12

Student Teaching (8 credits, 12 weeks full-time)

Teacher Candidates must notify the Field Experience Coordinator two semesters prior to doing their student teaching. They must also submit a student teaching application packet.

- EDU 460 Student Teaching Urban Middle School or
- EDU 470 Student Teaching Urban High School

NOTE: This experience is required for licensure not the major or degree. Teacher Candidates must notify the Field Experience Director two semesters prior to doing their student teaching. They must also submit a student teaching application by September 1 for spring placements and February 1st for fall placements.

Violence Prevention and Intervention Minor

The Human Services Violence Prevention and Intervention (VPI) minor is a multidisciplinary 20-credit curriculum focusing on violence prevention and intervention. Because the prevention of violence requires efforts across so many disciplines, the VPI minor draws on a number of fields to prepare students to work in a broad range of human services. The VPI concentration can increase students' competence in a variety of fields including general human services, public health, corrections and criminal justice, public policy, education, sociology, psychology, social work, gender studies, and nursing. These disciplines work together to promote effective prevention of and intervention in violence at the individual, family, and community levels. Students who are VPI minors study not only the theories and dynamics of interpersonal violence, but various approaches to responding to and preventing violence as well.

Prerequisites

Students must complete at least one course in one of the following disciplines: Sociology, political science, anthropology, psychology, human services, ethnic studies, gender studies, nursing, or criminal justice.

Requirements (all classes are 4 credits)

General requirements (8 credits):

- [HSER 300 Violence: Origins and Explanations](#)
- [HSER 301 Violence: Individual, Community and Global Responses](#)

Required VPI elective(s) (4-8 credits)* Choose one or two of the following*:

- [HSER 302 Advocacy in Violence Prevention](#)
- [HSER 307 Gender Violence in Global Perspective](#)
- [HSER 308 Family Violence Across the Lifespan](#)
- [HSER 309 Violence and Disability](#)

Required interdisciplinary elective(s) (4-8 credits)* Choose one or two of the following*:

- [HSCD 301 Chemical Dependency and the Family](#)
- [HSCD 306 Prevention of Substance Abuse](#)
- [HSCO 332 Rehabilitation of the Public Offender](#)
- [HSCO 326 Community Corrections](#)
- [HSCO 327 Women Offenders in Correctional Facilities](#)
- [HSCO 321 Juvenile Delinquency: Prevention and Intervention](#)
- [CJS 346 Victimology](#)
- [CJS 333 Gangs](#)
- [CJS 354 Restorative Justice](#)
- [CJS 356 Urban Violence](#)
- [CJS 302 Juvenile Justice](#)
- [CJS 360 Diversity Issues in Criminal Justice](#)
- [PSYC 341 Violence and the Media: Psychological Effects of Film and Popular Music](#)
- [PSYC 333 Psychology of Victims](#)
- [ETHS 303 Politics of Resistance and Protest Movements](#)
- [ETHS 305 Major Issues in U.S. Race Relations](#)
- [SOC 303 Ethnic Conflict in Global Perspective](#)
- [SOC 306 Deviance and Social Control](#)
- [HSTD 390 Conflict Resolution](#)

*A total of 20 credits are needed. Students must take 5 classes for the minor. Students who take two VPI electives only need to take one interdisciplinary course. Students who take one VPI elective must take two interdisciplinary courses.

COURSE DESCRIPTIONS

Accounting

ACCT 210, Financial Accounting, 4 credits

This course in financial accounting acquaints students with the "language of business" and the concepts and practices of accounting in order to understand, interpret, and analyze the financial accounting reports of economic entities. Topics include: economic context of accounting; introduction to basic financial statements with emphasis on the statement of cash flows; measurement fundamentals; analysis of financial statements; cash; receivables; inventories; investments in equity and debt securities including Consolidations; long-lived assets; current and long-term liabilities; stockholders' equity; and time value of money concepts and computations for decision making; international accounting practices are incorporated into every topic. This is not a bookkeeping course.

Prerequisite: MATH 115 College Algebra and 40 semester credits of college course work.

ACCT 320, Strategic Management Accounting, 4 credits

This course provides an introduction to the role of financial and nonfinancial information for planning and control decisions, emphasizing the strategic role of the management accountant in the organization. It emphasizes strategy and the application of concepts and practices of management accounting on economic and noneconomic decisions. Topics include: cost behavior and estimation; cost analysis for planning and control decisions including value chain analysis, target costing, quality costs, customer value measurement systems, and benchmarking; cross-functional teams; activity-based management; and capital budgeting.

Prerequisite: ACCT 210 Financial Accounting, ECON 202 Microeconomics

ACCT 310, Financial Reporting, 4 credits

This first course in a two-course financial reporting sequence provides for the preparation and understanding of financial information. Topics include: financial accounting theory and practice; official pronouncements of generally accepted accounting principles (GAAP) and conceptual statements; financial statement preparation and analysis; revenue and expense recognition; accounting for assets and current liabilities; noncurrent liabilities and stockholder equity; and financial statement disclosures.

Prerequisite: ACCT 210 Financial Accounting and demonstrated competence in accounting mechanics (bookkeeping).

ACCT 510, Advanced Financial Reporting, 4 credits

The second course in the two-course financial reporting sequence, this course emphasizes accounting theory and practice including special disclosure and reporting problems; international accounting and foreign currency translation; not-for-profit accounting, governmental accounting; business combinations; and consolidated financial statement preparation and analysis.

Prerequisite: ACCT 310 Financial Reporting

ACCT 512, Auditing, 4 credits

The audit of corporate financial statements by the independent registered accountant using generally accepted auditing standards of the Public Companies Accounting Oversight Board for publicly traded corporations is the focus of this course. A risk based approach is used with emphasis on both auditing concepts and audit programs. *Prerequisite:* ACCT 310 Financial Reporting, ACCT 340 Accounting Information Systems, ACCT 510 Advanced Financial Reporting

ACCT 515, Financial Statement Analysis, 4 credits

This course provides an in-depth study of the concepts and applications of financial statement analysis including the supply of and demand for accounting information in financial markets and the uses of accounting information in performance evaluation, investment and credit decisions.

Prerequisite: ACCT 310 Financial Reporting, ECON 202 Microeconomics

ACCT 520, Advanced Strategic Management Accounting, 4 credits

This course continues the emphasis on the role of financial and nonfinancial information for strategic planning and control decisions from the Strategic Management Accounting course. It focuses on the strategic components of cost/price, quality, time, flexibility and innovation in the learning organization. Coverage of strategic cost management, cost of capacity, kaizen, time-based competition, agility, competitive intelligence, pricing, distribution channels, environmental accounting, cost accumulation systems and comprehensive performance indicators is included.

Prerequisite: ACCT 320 Strategic Management Accounting

ACCT 530, Business Taxation, 4 credits

This course focuses on identifying issues that affect the taxation of businesses. Ten Chapters are covered: foundation of taxation, including types of taxes, structure of the income tax, taxpayers, and general concepts of income and deduction; business income and expenses; taxation of property transactions; and overview of corporations, S corporations, partnerships, and entity choice. Planning options are emphasized.

Prerequisite: ACCT 310 Financial Reporting

ACCT 340, Accounting Information Systems, 4 credits

This course provides a conceptual framework to stress the responsibility of accountant, auditor and manager for the design, operation and control of the accounting information system and the needs of information users within an organization. Traditional accounting transaction cycles are organized around events-based information technology. Students learn how the accounting information system records, classifies and aggregates economic events.

Prerequisite: ACCT 310 Financial Reporting, ACCT 320 Strategic Management Accounting, MIS 310 Principles of Management Information Systems

Anthropology

ANTH 101, Human Origins, 3 credits

What is evolution and how does it differ from common beliefs about human origins? Students investigate the evolution of humans and other primates, and the cultural and biological adaptations of modern humans to their environments. The course explores a variety of topics including: the origins of language and culture, fossil evidence for primate and hominid evolution, and human biological variation. Students also examine contemporary debates about human origins.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05), People/Environment Goal (10)

ANTH 301, Approaches to Cultural Anthropology, 4 credits

This course introduces the study of humanity from a comparative and cross-cultural perspective. Students learn what anthropologists do, how they do it, and why. Exposure to the range of human possibilities, differences, and similarities will highlight the processes of enculturation in all societies. The course explores topics such as kinship, economics, religion, social control, globalization, culture change, and contemporary cultural issues affecting all humans.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

ANTH 302, Gender and Culture, 4 credits

What is gender? How can we understand differences in gender and sexuality? Through the perspective of cultural anthropology, students examine how gender is perceived and realized in a range of human societies. Discussions on the biological/cultural determinants of gender are considered. Ethnographic materials explore how gender varies cross culturally and historically and is related to social power. Students engage with contemporary debates surrounding such themes as marriage, family, human rights, and sexuality.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

ANTH 308, Archaeology: Explaining the Past, 4 credits

Who owns the past and why should we try to preserve it? This course explores the formation of the archaeological record, and the methods archaeologists use to interpret that record. Students examine how professional archaeology differs from looting, and how archaeologists work to protect the archaeological record. The course also analyzes and evaluates academic and popular interpretations of archaeology.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

ANTH 320, Anthropology in the Global Age, 4 credits

Rapid social and environmental changes are occurring throughout the world today. Before contemporary issues can be understood, the significance of global culture must be considered. Using an anthropological perspective, this course examines significant economic, political, religious and social processes which result from the interactions between traditional cultures and more industrialized societies on our planet as well as within our pluralistic society in the United States.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Arts

ARTS 350I, Arts Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

ARTS 307, Painting, 4 credits

This course explores principles and practices related to color, shading, volume, perspective and composition. Class discussion and projects include color theory, application techniques, artists and movements of the past and contemporary trends in painting. Students complete original paintings using acrylics.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: ARTS 106 Introduction to Drawing or instructor's consent.

ARTS 106, Introduction to Drawing, 4 credits

This class focuses on the principles and practices of drawing, through an exploration of space, shading, volume, perspective and composition. Class discussions and projects include use of materials, color, artists and movements of the past, and contemporary trends in drawing and painting. Emphasis is placed on the development of hand-eye coordination skills.

MnTC (GELS): Humanities/Fine Arts Goal (o6)

ARTS 302, Exhibition Practices: Group Internship, 2 credits

This internship is designed to give students an opportunity to learn about the basic functions and day to day operations of an educational art gallery. Students will assist in the installation and dismantling of various exhibitions, featuring numerous forms of art. In doing so, students will gather practical knowledge about handling and lighting artwork, creating didactics, generating and distributing publicity, working with artists and creating corresponding programming. This knowledge should qualify a student to apply for entry level positions at other exhibition facilities, create groundwork for additional coursework in Museum Studies, and/or prepare students to mount exhibitions of their own in a professional manner. Variable meeting times. Contact instructor for details prior to registering. S/N grading only.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Community Engagement

ARTS 309, Photography: History of a Visual Artform, 4 credits

This course presents a historical survey of photography within the context of scientific, cultural and artistic forces. From the camera obscura and daguerreotypes to Surrealism and Social Realism, this course addresses the broad and expressive nature of photographic imagery. In addition to exploring the technical history of the medium, the class is designed to promote formal articulation, genre identification and evaluation of meaning within diverse

cultural contexts. Students will leave this course with a stronger sense of the ways in which photography has contributed to the global artistic landscape and our conception of reality. Activities include slide lectures, videos, visiting artist presentations and field trips to local collections and studios. No lab component.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

ARTS 304, Topics in Fibers, credits

This studio course explores historical and contemporary approaches to fiber arts as well as examination of significant figures and movements. Traditional techniques and contemporary applications of paper and fabric bridge the gap between crafts and fine arts. Students should consult the Class Schedule for particular topics (such as papermaking, wearable art and surface design.) Note: This course may be taken three times for credit as long as the topic is different.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Community Engagement. Note: This course may be taken twice for credit, as long as the topics are different.

ARTS 316, Intermediate Photography, 4 credits

Intermediate photographic techniques and approaches to image making using digital cameras, editing, software, printers, and lighting equipment. Class projects and discussions include image manipulation, composition, lighting, and film/analog photography, as well as artist movements of the past and contemporary trends in photography. Students explore photography as a creative form.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: ARTS 115 Introduction to Photography

Other Information: Note: Students must have access to a digital camera with manual operations.

Biology

BIOL 321, Comparative Vertebrate Anatomy, 5 credits

This course covers the comparative anatomy, development and evolution of the vertebrates. The course includes an integrated laboratory in which dissection of representative preserved vertebrates is performed. A weekend or evening field trip to zoo, aquarium and/or museum may be included. Intended for biology majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 322, Comparative Animal Physiology, 5 credits

This course covers the functions of each of the organ systems of the animal body focusing on the physiological problems experienced by animals and the solutions that have evolved in various animal groups. The course includes an integrated laboratory in which students conduct physiological experiments. Intended for biology majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112

General Chemistry II, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 106, Biology of Women, 4 credits

This course is an introduction to the health and biology of women, focusing on the major health and disease concerns for women (heart disease, stroke, cancer, osteoporosis, menstruation, pregnancy, infertility) and the biological systems involved (cardiovascular, neurological, skeletal, endocrine, and reproductive etc.). No dissection is required. Lab included. Intended for general education students and students needing a one-semester introduction to human biology or the biology of women.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test.

BIOL 111, General Biology I, 5 credits

The first semester of the comprehensive first year course in biology. Covers the biochemistry and inner workings of cells, energy metabolism, genetics, cellular physiology, population genetics and evolutionary pattern and process. Laboratory topics include use of the microscope, biochemistry, cell structure and function, genetics, and evolution. Intended for students who are pursuing, or considering, the major in biology or life sciences teaching.

MnTC (GELS): Natural Science Goal(03)

Prerequisite: BIOL 101 Introduction to the Life Sciences, MATH 115 College Algebra, BIOL 105 Human Biology or High school biology within 3 years, MATH 115 College Algebra, BIOL 101 Introduction to the Life Sciences, MATH 120 Pre-calculus, BIOL 105 Human Biology, MATH 120 Pre-calculus

BIOL 112, General Biology II, 5 credits

The second semester of the comprehensive first year course in biology. Covers the evolution and diversity of life, plant biology, animal biology and ecology. Lab activities include use of the microscope, examination of organisms, and experiments in plant physiology and ecology; may include animal dissection. Intended for biology and life sciences teaching majors.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: BIOL 111 General Biology I, MATH 115 College Algebra, BIOL 111 General Biology I, And MATH 120 Pre-calculus

BIOL 101, Introduction to the Life Sciences, 4 credits

This course is an introduction to the study of living things. Topics covered include: cell biology, evolution, use of the microscope, and the diversity of life. Lab included. Intended for students preparing for BIOL 111 General Biology and students seeking a general education science course with lab. First day attendance required except by instructor permission.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test.

BIOL 469, Seminars in Biology, 1 credits

This course takes advantage of the many scientific seminar presentations offered in the Twin Cities Area by educational institutions such as Metropolitan State University and the University of Minnesota and by non-profit organizations such as the Minnesota Native Plant Society and the St. Paul Audubon Society etc. Each student chooses ten one-hour seminars to attend. This course can, with instructor permission, be taken more than once for credit. Intended for biology majors in their junior or senior year.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, WRIT 231 Writing II, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission. Grading is Pass/No Credit (S/NC) only. Community Engagement

BIOL 302, Cell Biology and Histology, 5 credits

This course covers life in terms of molecules, cells, tissues, and organs, integrating these levels of complexity and focusing on the underlying molecular and cellular mechanisms of biological function. Topics include membrane structure and function, trafficking of molecules, the endomembrane system signal transduction pathways, extracellular matrix, and the cell cytoskeleton. Laboratory includes descriptive histology of animal tissues. Intended for biology and life sciences teaching majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 311, Plant Physiology, 5 credits

This course covers plant physiology across the range of organisms studied by botanists, including plants, algae, and photosynthetic bacteria, including the structural and biochemical features that are characteristic of the different taxonomic groups and how these features affect the distribution and abundance of the organisms. The content and methods of current research in plant physiology are emphasized. Lab activities include laboratory and field investigations. Intended for biology majors.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, and MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 330, Biology of Microorganisms, 5 credits

This course covers the functions of each of the organ systems of the animal body focusing on the physiological problems experienced by animals and the solutions that have evolved in various animal groups. The course includes an integrated laboratory in which students conduct physiological experiments. Intended for biology majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 105, Human Biology, 4 credits

This course is an introduction to the genetics, anatomy, physiology, and evolution of the human body in both health and disease. Lab included. Intended for general education students, students preparing for Biol 111 General Biology and students needing a one-semester introduction to human biology.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test.

BIOL 304, Molecular Biology, 5 credits

This course covers molecular biology, the study of genetic expression at the molecular level-including transcription, translation, and DNA replication emphasizing structure and function, and focusing on how molecular lab techniques elucidate the genetic mechanisms of the cell. Lab includes recombinant DNA, gel electrophoresis, PCR and sterile technique. Intended for biology majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 489, Senior Research in Biology, credits

This course provides students with independent laboratory, field or computer biology research under the supervision of a resident biology faculty member. Students must complete a research proposal and it must be approved by the instructor prior to course registration. Prior successful completion of an upper division course with the instructor is generally required.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, MATH 120 Pre-calculus

Other Information: Community Engagement. Note: Instructor's permission required.

BIOL 479, Advanced Topics in Biology, credits

This course covers advanced biological topics that vary from semester to semester. Because the content of each section of this course is different, students may take this course more than once for credit. Intended for biology majors in their junior and senior years.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, MATH 120 Pre-calculus

Other Information: Note: Enrollment limited to Biology majors and Biology Minors with junior or senior standing, except by instructor permission.

BIOL 316, Behavioral Ecology, 5 credits

This course covers the science of animal behavioral ecology. The content and methods of modern ecological research are emphasized. Students read research papers in the field of animal behavior and conduct field investigations, experiments and computer modeling. Many of the weekly labs take place outdoors. Intended for biology majors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 210 Calculus I, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, STAT 201 Statistics I

Other Information: Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission.

BIOL 471, Science Journal Discussion, credits

This is a course for advanced biology students, centered on the weekly reading and discussion of the current issue of *Science*. Published by the American Association for the Advancement of Science, *Science* is the most widely read scientific journal in the world and every issue contains peer-reviewed research articles, news and reviews from across the spectrum of scientific disciplines with core strength in biological sciences. This course builds student knowledge of current scientific research and issues in biology and develops skills in scientific reading, discussion and presentation at the advanced level.

Business Law

BLAW 310, Business Law: UCC and Contracts, 4 credits

This course reviews the purposes, philosophies and organization of the U.S. legal system. It provides an intensive study of the law which governs contracts for services, real estate, employment, insurance, trademark, patents and copyrights. Topics covered include legally binding contract requirements (offer and acceptance, legality of subject matter, capacity of parties and contractual consideration); circumstances which require a contract to be in writing; defenses for avoiding contractual liability; and legal remedies for breach of contract. It also focuses on the articles of the Uniform Commercial Code (UCC), which govern the rights and obligations of parties to transactions involving the sale of goods (Article II), commercial paper such as checks, notes and drafts (Article III), and financing arrangements in which one party gives another a security interest in property (Article IX) and the effects of federal bankruptcy laws on these transactions.

BLAW 320, Legal Environment of Organizations, 4 credits

The behavior of organizations and people in organizations is influenced in a variety of ways by the Constitution, state and federal legislation, regulations by all levels of government, by judicial opinions and by ethical considerations. This course explores selected aspects of the legal environment, including antitrust and fair trade laws, the law of contracts, laws and regulations concerning the workplace and workplace behavior, environmental protections, and ethical standards. Issues relating to franchising and trading in securities are also addressed within the context of the law and ethics.

Computer Forensics

CFS 262, Computer and Operating Systems Fundamentals I, 4 credits

This course covers the fundamental concepts of a single user operating system. The topics discussed in the course are the basic concepts of computer organization and architecture, memory management, process handling, disk and file management and control, and peripherals operation. Students also have the opportunities to learn the

techniques and procedures of system installation, configuration, administration, and trouble shooting. The operating systems illustrated in the course are MS Windows and/or Mac OS X.

Prerequisite: ICS 140 Programming Fundamentals or with instructor's consent

CFS 264, Computer and Operating Systems Fundamentals II, 4 credits

This course covers the fundamental concepts of a multi-user operating system. The topics discussed in the course are conventional computer organization and architecture, memory management, process handling, disk and file management and control, and peripherals operation. Students also have the opportunities to learn the techniques and procedures of system installation, configuration, administration, and trouble shooting. The operating systems illustrated in the course are Linux and UNIX.

Prerequisite: CFS 262 Computer and Operating Systems Fundamentals I, ICS 140 Programming Fundamentals

CFS 280, Introduction to Computer Forensics, 4 credits

In this course, students learn the fundamental principles and concepts in computer forensics. The topics include the classification of the digital evidence, the procedure of discovering and preserving evidence, types of computer and Internet crimes, and analysis of computer crime statistics and demographics. Students also learn how to search and retrieve information to find the evidence using some common tools. Related legal procedures, regulations, and laws are also discussed briefly.

Prerequisite: CFS 262 Computer and Operating Systems Fundamentals I, CFS 264 Computer and Operating Systems Fundamentals II

CFS 380, Digital Evidence Analysis, 4 credits

In this course, students continue not only to learn how to identify and collect digital evidence through forensics search tools, but also to study the emerging data mining techniques. The topics include how to design a plan for a computer crime investigation; how to select a computer software tool to perform the investigation; how to articulate the laws applying to the appropriation of computers for forensics analysis; how to verify the integrity of the evidence being obtained; how to prepare the evidence collected for the use in the court; and how to present the evidence as an expert eyewitness in court. Some hypothetical and real cases are also discussed in class.

Prerequisite: CFS 280 Introduction to Computer Forensics

CFS 484, Computer Laws, 4 credits

In this course, students will learn the law relating to computer software, hardware, and the Internet. The areas of the law include intellectual property, cyberspace privacy, copyright, software licensing, hardware patent, and antitrust laws. Legislation and public policies on cyberspace technology, cryptographic method export controls, essential infrastructure protection and economic development are also discussed in class.

Other Information: Prerequisites: Two semesters of computer related courses or instructor's consent.

CFS 499, Computer Forensics Internship/Capstone, 3 credits

This course is designed to provide students an opportunity to practice what they have learned from the computer forensics program through a group project. The topic of the project must be approved by either the instructor or the director of the program. Each project must have a written report and an oral presentation. This course is recommended to be taken in the last semester of the program study.

Prerequisite: CFS 380 Digital Evidence Analysis, ICS 382 Computer Security, POL 331 Law and the Legal Process

Other Information: Note: This course is offered to the students majoring in computer forensics only.

Chemistry

CHEM 301, Biochemistry, 5 credits

This course covers the structure of biologically important compounds (proteins, carbohydrates, lipids, and enzymes) and their transformations during metabolism. Topics include: enzyme kinematics, chemical reactions (acid/base, reduction/oxidation, hydrolysis, etc.), protein synthesis and regulation, use and interpretation of biochemical information, and problem-solving in biochemistry. Lab includes biochemical methods and techniques and develops skills with laboratory instruments, data collection, and scientific writing. Intended for biology majors and chemistry minors.

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, CHEM 231 Organic Chemistry I, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, CHEM 231 Organic Chemistry I, MATH 120 Pre-calculus

CHEM 111, General Chemistry I, 5 credits

The first semester of the comprehensive first year course in chemistry. Covers measurement, stoichiometry, solution chemistry, atomic structure, bonding, molecular structure, molecular visualization, and problem solving. Lab includes basic laboratory techniques, instrumentation, methodology, chemical analysis, and laboratory notebook procedures. The labs are also designed to engage students in critical thinking and concept building and are directly coordinated with the lecture part of the course. Intended for students who are pursuing, or considering, the biology or life sciences teaching major and/or chemistry minor, and qualified students seeking a general education science course with lab.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 115 College Algebra, MATH 120 Pre-calculus

CHEM 112, General Chemistry II, 5 credits

The second semester of the comprehensive algebra-based first year course in chemistry. Covers acid/base theory, chemical equilibria, nuclear and electrochemistry, redox reactions, terminology, functional groups, reactivity of organic compounds and an introduction to biochemistry. Includes lab. Intended for students pursuing the biology or life sciences teaching major and/or chemistry minor.

MnTC (GELS): Natural Science Goal(03)

Prerequisite: CHEM 111 General Chemistry I, MATH 115 College Algebra, CHEM 111 General Chemistry I, MATH 120 Pre-calculus, CHEM 111 General Chemistry I, CHEM 111 General Chemistry I, MATH 115 College Algebra, MATH 120 Pre-calculus, MATH 115 College Algebra, MATH 120 Pre-calculus

Corequisite: CHEM 112L General Chemistry II Laboratory

CHEM 479, Special Topics in Chemistry, credits

This course will include an in depth study of a specific area of chemistry, and may include offerings in forensic chemistry, food chemistry, polymers, thermodynamics, medicinal chemistry, environmental chemistry, or other areas of interest or not represented in regular course offerings within the department.

Prerequisite: CHEM 112 General Chemistry II, CHEM 112L General Chemistry II Laboratory Note: Some topics may have additional prerequisites.

CHEM 231L, Organic Chemistry I Lab, 1 credits

This course provides the laboratory experience to accompany Chem 231 Organic Chemistry I. This course introduces the techniques, specialized equipment, instrumental methods and safety procedures common in an organic lab setting. Students get hands-on experience with the instrumentation, equipment, hazardous material procedures, and multi-step methods employed in the synthesis of larger, more complicated organic structures from simpler molecules.

Prerequisite: CHEM 112 General Chemistry II, CHEM 112L General Chemistry II Laboratory

Corequisite: CHEM 231 Organic Chemistry I

Other Information: CHEM 231 and 231L must both be in the cart at the same time when you register.

CHEM 231, Organic Chemistry I, 4 credits

The first semester of a comprehensive course in organic chemistry. This course covers structure and nomenclature, bonding theory, reaction mechanisms, stereochemistry, reaction kinetics and thermodynamics, instrument methods [e.g. NMR, IR, MS] and the syntheses and reactions of various functional groups of organic compounds. Molecular modeling software is used to assist in visualizing structures and reaction mechanisms, and in the interpretation of various spectra. Intended for biology majors and chemistry minors.

Prerequisite: CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus

Corequisite: CHEM 231L Organic Chemistry I Lab

Other Information: Must be taken concurrently with CHEM231L except by instructor permission. Contact instructor for permission.

CHEM 107, Chemistry, Society and the Environment, 4 credits

Principles of chemistry as they apply to important environmental and societal issues. Topics will be drawn from: energy sources, alternative fuels, radioactivity, global warming, ozone, pollution, acid rain, plastics and polymers, drug development, nutrition and genetic engineering. Includes lab. Intended for students preparing for Chem 111 General Chemistry as well as students seeking a general education science course with lab.

MnTC (GELS): Natural Science Goal (03), People/Environment Goal (10)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra on the university's assessment test.

CHEM 469, Seminars in Chemistry, 1 credits

This course develops critical analysis of primary scientific presentations by utilizing the many scientific seminar presentations offered in the Twin Cities Area. These presentations include those given by educational institutions such as Metropolitan State University and the University of Minnesota or public seminars given by area industrial speakers. The student chooses eight one-hour seminars to attend; for one presenter, the student conducts further analysis and writes a 5-7 page paper demonstrating how the currently presented research integrates with the presenters past work or the surrounding research community. This course can, with instructor permission, be taken more than once for credit. This course cannot be used to fulfill the General Education Goal III Natural Science requirement. This course may be used to fulfill the upper division credits for the Chemistry minor.

Prerequisite: CHEM 332 Organic Chemistry II, WRIT 231 Writing II, CHEM 301 Biochemistry, WRIT 231 Writing II

CHEM 332, Organic Chemistry II, 4 credits

The second semester of a comprehensive course in organic chemistry. This course introduces organic functional groups that include oxygen, nitrogen, and aromatic systems and related reaction mechanisms, multi-step synthetic routes, polymers, and introduce the chemical structures common in many biomolecules. Instrumental methods (e.g. NMR, IR, MS, and UV) are discussed in greater detail, and molecular modeling software used to

assist in visualizing structures and reaction mechanisms, and in the interpretation of various spectra. Intended for biology majors and chemistry minors.

Prerequisite: CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, CHEM 231 Organic Chemistry I, MATH 115 College Algebra, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, CHEM 231 Organic Chemistry I, MATH 120 Pre-calculus

Other Information: Must be taken concurrently with CHEM 332L except by instructor permission. Contact instructor for permission.

CHEM 332L, Organic Chemistry II Lab, 1 credits

This course provides the laboratory experience to accompany CHEM 232 Organic Chemistry II. This course continues the introduction of the techniques, specialized equipment, instrumental methods and safety procedures that was begun in Chem 231 Organic Chem I Lab. Students get hands-on experience with the instrumentation, equipment, hazardous material procedures, and multi-step methods employed in the synthesis of larger, more complicated organic structures from simpler molecules.

Other Information: CHEM 332 and 332L must both be in the cart at the same time when you register.

CHEM 489, Directed Research in Chemistry, credits

This is a faculty designed independent study (FDIS) which provides students the opportunity to do independent research in the field of chemistry under the supervision of a resident chemistry faculty member. This course improves student's problem solving, analytical, and reasoning skills. At the end of the course, students complete a research report that must be approved by the instructor. The number of credits will be decided by the faculty and the student.

Prerequisite: CHEM 231 Organic Chemistry I, WRIT 231 Writing II AND instructor permission, CHEM 301 Biochemistry, WRIT 231 Writing II

CHEM 351, Thermodynamics, 5 credits

This course introduces the concepts of thermodynamics. Topics include first law of thermodynamics, second law of thermodynamics, entropy, statistical mechanics, specific heat capacities of gases and solids, efficiency and the Carnot cycle, chemical potential, chemicals and phase equilibriums, etc. Applications explored will include the behavior of gases and the operation of heat engines. Laboratories emphasize real world applications of the concepts and problem solving skills taught in this course.

Prerequisite: CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 210 Calculus I, PHYS 212 Calculus Based Physics II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 211 Calculus II

Other Information: Overlap: Student cannot receive credit for both CHEM 351 Thermodynamics and PHYS 351 Thermodynamics.

CHEM 311, Environmental Chemistry, 3 credits

This class addresses the principles of atmospheric chemistry, energy and climate changes, water chemistry, and soil chemistry. During the course of the semester, students will learn the chemistry behind modern challenges to our environment. It will include and examination of the sources, reactions, transport, and fates of different chemical species in the environment. The following topics will be covered: a) atmospheric chemistry and air pollution; b) energy and climate change; c) water chemistry and water pollution; d) toxic organic compounds e) wastes, soils and sediments.

Prerequisite: CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus

Criminal Justice

CJS 101, Introduction to Criminal Justice, 3 credits

As an introduction to the field of criminal justice, this course provides students with a brief but comprehensive overview of criminal justice institutions in American society. Students learn about the role of the criminal justice system in maintaining social order. The course also examines the duties and functions of criminal justice practitioners, including police officers, prosecutors, judges and correctional officials from the initial violation of the criminal law, to the punishment and release of convicted offenders.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

CJS 320, Applied Criminology, 3 credits

This course applies criminological theories, demographics and specific crimes to the working world of criminal justice practitioners. Relevant issues relating to crime and criminal justice will be examined. Students will also be exposed to the myths relating to crime and criminal justice. A special emphasis will be placed on the role of race, class, culture and gender differences as this relates to the criminal justice systems response to crime in the community.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or Instructor's consent.

CJS 302, Juvenile Justice, 3 credits

This course presents a juvenile justice system overview, with emphasis on Minnesota Rules of Juvenile Court Procedure. The historical and philosophical development of the juvenile justice system is discussed, along with a comparative analysis of U.S. juvenile and adult criminal justice systems. Students learn about resources available to criminal justice practitioners and addresses the specific needs of juveniles in crisis.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or Instructor's consent.

CJS 350, Citizenship: Community Involvement, 3 credits

The purpose of this course is to educate and encourage the development of globally competent citizens and leaders. The course is designed to provide students with the knowledge, skills, and attitudes to be engaged, responsible, and effective members of a globally interdependent society. Most importantly, students will be asked to think deeply about their world (including its future, current issues, its impact on their local area, and our personal responsibility as global citizens). This course will have a service learning component.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05)

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

Other Information: Community Engagement

CJS 490, Criminal Justice Capstone, 4 credits

Using both a theoretical and practical framework, this experience is designed to help students integrate and synthesize their undergraduate experiences. An applied project demonstrates discipline mastery of a subject and serves as a vehicle for future work and study in the criminal justice field. Note: This course should be taken the semester the student graduates.

Prerequisite: CJS 200 Literature in Criminal Justice, CJS 320 Applied Criminology, CJS 360 Diversity Issues in Criminal Justice, CJS 375 Criminal Justice Ethics, CJS 483 Research Seminar in Criminal Justice or permission of instructor.

Other Information: Note: This course should be taken the semester the student graduates.

CJS 210, Constitutional Law, 3 credits

This course provides an overview and critical examination of constitutional law as it relates to criminal justice issues. A historical overview of the U.S. Constitution is covered along with how the Constitution works in the legal system including the role of the Supreme Court and constitutional interpretation. The first, fourth, fifth, sixth, eighth, and fourteenth amendments are emphasized. The course also examines how the Constitution protects the rights of those charged as well as the rights of law-abiding citizens.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

CJS 377, Criminal Justice Practicum, credits

This field practicum involves the student in the day-to-day function of a criminal justice agency. It is designed to provide students with an opportunity to translate the theoretically-oriented classroom experience into practical application.

Prerequisite: CJS 101 Introduction to Criminal Justice or instructor's consent.

Other Information: Community Engagement, Note: CJS 377 provides a way for students to earn academic credit in connection with an internship at a criminal justice organization. See: www.cjs-377.net for sample internship opportunities or e-mail: anne.cross@metrostate.edu. Coursework is completed over D2L.

CJS 382, Topics in Criminal Justice: credits

This course provides students an opportunity to study specific issues and concerns in criminal justice and law enforcement. A variety of contemporary and relevant course topics are offered for in-depth analysis based on student interest and demand.

CJS 340, Comparative Criminal Justice, 3 credits

This course provides students with international perspectives on criminal justice. Through a comprehensive review of cross-national research data, students examine the features, successes and failures of various distinct criminal justice systems around the globe and use that information to evaluate the American criminal justice system. By exploring justice institutions in other parts of the world, students learn that criminal justice systems are shaped by the values, norms, customs or standards of behavior characteristic of the society in which they are found.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and Global Perspective Goal (08)

Prerequisite: CJS 101 Introduction to Criminal Justice or instructor's consent.

CJS 354, Restorative Justice, 3 credits

This course is designed to allow students to develop a working understanding and knowledge of Restorative Justice. Restorative Justice looks at the concept of justice through nontraditional and alternative viewpoints. Rather than focus on "what is the crime, who did the crime and what should the punishment be," Restorative Justice focuses on "who has been harmed, what was the harm and who is responsible to repair the harm." Students will examine Restorative Justice from historical, sociological, criminological and psychological perspectives. Throughout the course, a wide range of specific "restorative practices" will be studied, reviewed and analyzed. Some of the concepts the course will explore are trauma and healing, conflict transformation, issues related to juvenile justice, and alternative processes such as Victim-Offender Dialogue and the Circle Process.

Prerequisite: CJS 101 Introduction to Criminal Justice or instructor's consent.

Other Information: Overlap: IDST 355 Restorative Justice

CJS 346, Victimology, 3 credits

This course is designed to prepare criminal justice and law enforcement students to work with victims and to understand the complexity of victim issues. This course will look at victimization from a sociological, psychological, as well as, legal perspective. Students will be exposed to current research, ethical considerations in victim response, psychological phenomena common to crime victims, legal obligations for victim service providers, and resources available to victims.

CJS 370, Probation and Parole, 3 credits

This course examines both probation and parole and how each field plays an integral part in the criminal justice system. Students are given an historical background of probation, become familiar with present day policies and procedures and are introduced to treatment philosophies and future trends. Throughout the course, students also supervise a mock caseload of probationers and parolees.

CJS 387, White Collar Crime, 3 credits

This course presents an overview of white collar crime. Students explore theories of white collar crime and corporate criminal liability. The investigation, prosecution and sentencing of white-collar offenders are examined. "Crime in the suites" is compared to "crime in the streets." Issues related to diversity are explored.

CJS 110, Careers in Criminal Justice, 3 credits

This course introduces students to an array of career paths taken by criminal justice students throughout the public, private, and non-profits sectors. The course broadens students' understanding of the direct and indirect criminal justice professional opportunities through presentations by professionals in the field and research of possible career choices. This course also focuses on the selection process, including resume development and job interviewing.

CJS 339, Violent Crime Investigation, 3 credits

Students will learn about criminal investigations and critical techniques to enhance solving cases. Student will learn how to identify the different types of violent crimes, and how to systematically investigate each type of violent crime. Students will learn how to develop a criminal profile, and gain insights to what motivates criminal behavior.

Prerequisite: CJS 101 Introduction to Criminal Justice

CJS 200, Literature in Criminal Justice, 3 credits

This course introduces students to the general body of literature and research methods in the criminal justice discipline. Students learn to search, locate, retrieve, evaluate and document research sources and prepare research papers using writing and citation styles expected in criminal justice and law enforcement courses. Students are also introduced to the basic concepts of social science research design and methodology and are required to prepare written assignments using critical analysis and critical thinking skills. Prerequisites: CJS 101 Introduction to Criminal Justice and WRIT 131 Writing I.

Prerequisite: CJS 101 Introduction to Criminal Justice or instructor's Consent, WRIT 131 Writing I

CJS 483, Research Seminar in Criminal Justice, 3 credits

This course examines the scientific research methods used in criminal justice research. Students learn a variety of research methods and apply them to various types of research being conducted within the criminal justice system. This course examines both quantitative and qualitative approaches.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice

CJS 375, Criminal Justice Ethics, 3 credits

This course examines a range of moral dilemmas which criminal justice practitioners are likely to face in their duties. Using both moral theory and detailed case examples, students learn to apply moral principles and concepts to a given situation, recognize the relevance of moral principles and concepts, and apply their individual moral philosophy to resolving these situations in a satisfactory manner.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Humanities/Fine Arts Goal(o6) , Ethical/Civic Resp Goal(o9)

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

CJS 360, Diversity Issues in Criminal Justice, 3 credits

This course provides an in-depth examination of the opportunities and challenges of providing criminal justice services in a multicultural society. The course provides students with a knowledge of the diversity that exists in communities and criminal justice agencies. It provides both theoretical and practical information to respond effectively to diversity issues. Examples of community issues include conflict resolution, crime prevention, victimization and strategies to improve relationships with the community.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(o5) , Human Diversity Goal(o7)

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

Other Information: Community Engagement

CJS 300, Corrections, 3 credits

Corrections is a primary component of the American criminal justice system. This course is designed to introduce students to the profession and academic discipline of corrections. Course work exposes students to the philosophy and procedures of punishment; the various components within the correctional community such as confinement, probation and parole, and community corrections. The course also addresses issues relating to prisoners, such as prisoners' rights and prison life and other issues relating to the American correctional system, such as capital punishment, rehabilitation, and financial penalties.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

CJS 358, Community Building for Criminal Justice, 3 credits

This class will examine the processes and dynamics necessary for criminal justice agencies and their personnel to play an active, direct role in identifying and organizing the community and fiscal resources necessary to build effective partnerships. Once formed, these partnerships will result in the development of a cooperative problem-solving community. Students will review case studies, visit a community meeting, evaluate current and historical social movements, and develop recommendations on issues they face in their communities. Modern theoretical application will provide the basis for the foundation of the necessity for these problem solving partnerships to emerge and grow. The students will study how the criminal justice system shapes and influences particular parts of the community including schools, business organizations, faith communities, social service agencies, and grassroots groups and how these organizations in turn shape the criminal justice system.

CJS 367, Exploring Forensic Science, credits

This course will provide the student with a general overview and a better understanding of the wide range of disciplines found within the forensic sciences. Fundamental topics such as forensic anthropology, forensic entomology, forensic pathology, and forensic accounting will be discussed. In addition 'traditionally' recognized topics in forensic science such as DNA, Trace Evidence, Impression Evidence, Drugs, and Questioned Documents will be covered. The course instructor will utilize multi-media in a lecture format, utilizing case-studies, video supplements and expert guest speakers.

Communication

COMM 103, Public Speaking, 3 credits

Students learn public speaking principles and techniques well enough to prepare, deliver, and evaluate informative and persuasive speeches. Videotaping and self-assessment are integral components of this class as is writing. Some speeches require students to research and critically analyze information. The six to eight class presentations include topics pertaining to the corporate world, community life, the political arena or human services. Students are expected to write well and will outline each presentation. Overlap: COMM 103P Public Speaking Proficiency Test.

MnTC (GELS): Communication Goal (01)

Other Information: Overlap: COMM 103P Public Speaking Proficiency Test.

COMM 499, Topics in Communication, credits

This course rotates topics and may include such things as: presentational communication topics; storytelling as performance and persuasion; relational communication, for example nonverbal communication; and organizational communication such as organizational public relations.

COMM 351, Communication in Work Groups, 4 credits

This course covers theory and practice of communication in small task-oriented groups. Communication topics include team management, models of group problem solving and decision making, leadership, building cohesiveness, resolving conflict, managing diverse views, negotiating roles, and norms. Students learn to interact productively in small task groups as members and leaders. Numerous group activities, group assignments and laboratory work require an extended class time and group meetings outside of class. Overlap: COMM 351T Communication in Work Groups Theory Seminar.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01)

Other Information: Overlap: COMM 351T Communication in Work Groups Theory Seminar.

COMM 352, Organizational Communication, 4 credits

This course examines communication patterns and systems functioning in modern organizations in sectors such as government, nonprofit and corporate. Course simulations and topics include analysis of organizational communication models, formal and informal communication networks, external and internal communication channels, the changing shape of future organizations, mentoring, ethics, diversity, technologies, and the purpose of communication research.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01)

Other Information: Community Engagement

COMM 361, Managerial Communication, 4 credits

This course focuses on systematic analysis of communication theory, techniques and procedures for managers. Students look at communication process, perception, motivation and conflict from the perspective of a manager in the organization. Students study topics such as managing performance, diversity and the nature of task groups. The course also uses an interdisciplinary approach to the content and delivery of professional communication and reports: information and persuasion, the difference between oral, written and visual media, videos and computer-supported demonstrations. Overlap: COMM 361T Managerial Communication Theory Seminar.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (o1)

Other Information: Overlap: COMM 361T Managerial Communication Theory Seminar.

COMM 171, Desktop Computer Designing for Communication, 2 credits

This course introduces students to contemporary computer and design tools used in the communication field. The course is structured around a series of exercises that help students develop skills and understanding of word processing, presentation software, the Internet and desktop publishing.

COMM 381, Public Relations Principles, 4 credits

This course is for people who want to understand how public relations establishes relationships with various stakeholders through communication. It outlines elements of the public relations process: research and planning, setting objectives, developing strategies, implementing programs and evaluating results. Overlap: COMM 381T Public Relations Theory Seminar.

Other Information: Prerequisite: Completion of Goal 1 Writing courses, or an advanced Writing course, or equivalent. Overlap: COMM 381T Public Relations Theory Seminar. Community Engagement

COMM 103P, Public Speaking Proficiency Test, 3 credits

This assessment is designed for students who wish to have prior learning in public speaking evaluated. Students who participate serve as an audience for other students. Assessment covers the student's knowledge and application of the theories and techniques of preparation, presentation and evaluation of public speeches. This assessment is evaluated satisfactory/non-satisfactory only. No other letter grade is assigned. Overlap: COMM 103 Public Speaking Proficiency Test.

Other Information: Overlap: COMM 103 Public Speaking and COMM 103T Public Speaking Theory Seminar. Call CWA Department 651-999-5940 for a course packet. Contact instructor for permission to register.

COMM 350I, Communication Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

COMM 332, Negotiation and Mediation Skills, 4 credits

This course focuses on both theoretical and practice aspects of negotiation and mediation which are applicable to both professional and personal situations. Using lecture, role play, individual and group exercises, students gain the knowledge and skills necessary to be effective negotiators and mediators. Focus will include conflict resolution styles, verbal and nonverbal communication, attentive listening skills, perception, persuasion, ethics, agreement building and power. Special emphasis will be placed on mediation as a facilitated negotiation process. This course meets all Minnesota Supreme Court requirements for certification under Rule 114 of the Minnesota General Rules of Practice. Students who complete this course will be eligible for placement on the state mediation roster as a qualified neutral.

COMM 320, Individual Rights and Public Discourse, 4 credits

This course is designed to introduce students to their First Amendment rights to freedom of religion, freedom of expression, freedom of the press, freedom of assembly and freedom to petition. It will also explore citizens' corresponding responsibilities and our frequent disagreements over these rights and responsibilities. Through course assignments students will develop a greater capacity to engage in civic activities by understanding the First Amendment, being able to more fully articulate their personal view of their First Amendment rights and responsibilities, refining their research and analysis skills, and developing their expertise in oral argumentation. Note: Communication 320 is required for all public relations majors.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Ethical/Civic Resp Goal (09), Communication Goal (01)

Other Information: Community Engagement. Note: COMM 320 is required for all public relation majors.

COMM 333, Intermediate Intercultural Communication, 4 credits

Intercultural Communication has a global perspective and engages students in reflectively thinking about the growing interdependence of nations and peoples. Students develop their ability to apply a comparative perspective to cross-cultural communication episodes in interpersonal interactions. Student's research topics of interest that compare two or more cultures in some aspect of their social, economic, or political values and practices. Through field experiences, in class exercises, and readings, students learn the dynamics and skills needed to engage in respectful and sensitive communication with others whose beliefs, values, and attitudes are different than their own. Students are engaged in e-discussions with students from around the globe for 5 weeks. This requires some knowledge of D2L.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Global Perspective Goal (08)

Other Information: Community Engagement

COMM 231, Introduction to Interpersonal Communication, 3 credits

Students learn the characteristics and process of interpersonal communication including perception, speech and language, nonverbal behaviors, listening and feedback, conflict and conflict resolution, the ethics of interpersonal communication, relationship development and maintenance. The ability to recognize cultural similarities and differences is emphasized, as is the ability to recognize one's own communicative biases and behaviors. Evaluation is based, in part, on the ability to recognize characteristics of interpersonal communication and apply verbal and nonverbal interpersonal strategies in a wide variety of social and work situations. Overlap: Comm 232 Interpersonal Communication Theory Seminar.

MnTC (GELS): Communication Goal (01)

Other Information: Overlap: COMM 231T Interpersonal Communication Theory Seminar

Dental Hygiene

DENH 320, Management of Oral Healthcare Delivery, 3 credits

This course is designed to assist the dental hygienist in understanding current and relevant issues impacting community-based dental hygiene practice. Dental practice economics and practice management with a strong emphasis on community partnerships in clinical settings are a course focus. Current and emerging advanced practice issues including entrepreneurship, non-profit corporations, fundamentals of tax laws, overhead costs, benefit packages, billing and negotiation with third party payers and agencies are examined.

Other Information: Prerequisites: Admission into the Baccalaureate Degree Completion Program (BSDH) or Dental Hygiene Post-Baccalaureate Certificate program; or by special permission of Dental Hygiene Department Coordinator. Note: This course is web-enhanced and requires the student to be familiar with computer use and to be prepared to participate in an online class at the beginning of the semester.

DENH 410, Evidence-Based Dental Hygiene Practice, 3 credits

This course involves learning and implementing evidence-based decision making principles. The dental hygiene practitioner will value the integration of clinical expertise and available external evidence from research. Emphasis is on strategy, methodology, and research design with clinical focus on dental hygiene standards of care and process of care and dental hygiene diagnosis, as related to collaborative dental hygiene practice.

Other Information: Prerequisite: Admission into the Baccalaureate Degree Completion Program (BSDH) or Dental Hygiene Post-Baccalaureate Certificate program; or by special permission by Dental Hygiene Department Coordinator. Note: This course is web-enhanced, requiring the student to be familiar with computer use and to be prepared to participate in an online course at the beginning of the semester.

DENH 499, Special Topics in Dental Hygiene, credits

Other Information: Note: Register by permission only. Contact Dental Hygiene Program Advisor for additional information.

Decision Sciences

DSCI 420, Project Management, 4 credits

This course focuses on developing the skills needed to become a successful project manager and project team member. Topics covered include all aspects of project management from project initiation issues and project planning to scheduling, organization, implementation, and monitoring progress and controlling to achieve desired project results. Also included are project management techniques such as PERT, CPM and project evaluation methods using Microsoft Project software.

Prerequisite: MGMT 310 Management Principles and Practices or department consent.

Other Information: Community Engagement

DSCI 434, Introduction to Operations Management, 4 credits

The purpose of this course is to introduce students to the fundamental concepts and techniques of production and operations management for both service and manufacturing organizations. It will address the role of operations in relation to other functions and the methods to increase organizational effectiveness and efficiency. Topics covered include: product and service design, capacity planning, design of work systems, location planning and analysis, material requirements planning, supply-chain management, enterprise resource planning, inventory management, total quality management, Six Sigma, lean enterprise and kaizen approaches, aggregate planning, just-in-time systems, scheduling, and project planning. Also included are tools and processes used in operations decisions such as forecasting, breakeven analysis, and critical path method using available software.

Prerequisite: MATH 115 College Algebra, MGMT 310 Management Principles and Practices, MIS 100 Fundamentals of Information Technology in Organizations, STAT 201 Statistics I or equivalent with instructor's consent., MATH 115 College Algebra, MIS 100 Fundamentals of Information Technology in Organizations, STAT 201 Statistics I

Other Information: Community Engagement

DSCI 421, Project Planning and Budgeting, 4 credits

The primary focus of this course is to master project management tools and techniques. Topics covered include a review of principles of project management, project scheduling, budgeting and cost estimation, resource allocation, and information system using Microsoft Project. Use of Simulation as a tool for Earned Value Analysis (EVA) and risk assessment is also emphasized.

Prerequisite: DSCI 420 Project Management or its equivalent.

Other Information: Community Engagement. Note: For those students without prior experience in project management, it is recommended to take DSci 420 Project Management before taking this course.

DSCI 415, Special Topics in Supply Chain and Operations, credits

This course will address special topics, current issues and research trends in supply chain and operations management field. The supply chain and operations management field is undergoing some rapid change due to driving factors such as globalization, technology change, and environmental concerns. The course will revolve around five themes or topics: (1) managing risks; (2) theory of constraint, (3) lean management; (4) green, environment and carbon issues; and (5) globalization. Other specialized topics may be added as the field undergoes changes. Prerequisites: DSCI 434 Intro. To Operations Management

Prerequisite: DSCI 434 Introduction to Operations Management or consent of the instructor.

DSCI 450, Supply Chain and Operations Management Strategy, 4 credits

This course integrates planning, design and analysis to develop a holistic view of supply chain and operations through problems, cases, research papers, readings, projects, and presentations. It requires students to describe, analyze, review and critique important design and planning features of supply chain and operations management. Student will work individually or in groups to develop a project/research paper to analyze an existing complex supply chain and operations function. Students will also explore supply chain and operations through readings, papers, guest lectures, and videos. The focus of the course is on experiential learning and critical analysis. Students will learn critical tools like optimization, models, decision trees, and network analysis.

Prerequisite: DSCI 434 Introduction to Operations Management or Department Consent.

Economics

ECON 311, Economics of the Environment, 4 credits

This course explores the economic aspects of environmental issues and regulations. Current incentives to degrade or preserve the environment are presented and the impact of present policies on those incentives are established. The tools of economic analysis are used to evaluate problems and suggest solutions.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and People/Environment Goal (10)

Prerequisite: ECON 202 Microeconomics or equivalent with instructor's consent.

ECON 314, International and Comparative Economics, 4 credits

This course analyzes selected issues and problems in international trade and also studies how various countries approach basic economic policy questions. Topics include: the theory of comparative advantage, barriers to trade such as tariffs and quotas, exchange rates, balance of payments, organizations such as the International Monetary Fund and World Trade Organization, and an analysis of current issues in American trade policy. The course concludes with an analysis of the economic policies of major trading partners: Japan, China and the European Union with some attention to other capitalist and non-capitalist economies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and Global Perspective Goal (08)

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics or equivalent with instructor's consent.

ECON 315, Economics of Diversity, 4 credits

This course uses various techniques to examine issues and problems relevant to the themes of race, ethnicity, gender, preference and class. Topics include: how race, ethnicity and gender arise in economics and how they relate to the labor market; the impact of national economic policies on diverse groups; the economics of discrimination; and questions related to domestic partner issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: ECON 202 Microeconomics

ECON 313, Labor Economics, 4 credits

This course assesses the role of labor as a production factor in the economy, as well as the factors affecting the supply of, and demand for, labor. Topics include: determinants of labor supply and demand; analysis of labor markets; theories of wages and employment; income and wage inequality among occupations, industries and regions; the role of labor unions and collective bargaining as they affect supply and demand conditions; and the relationships among wages, inflation, unemployment and government policies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: ECON 202 Microeconomics or equivalent with instructor's consent.

ECON 352, Intermediate Microeconomics, 4 credits

This course covers the analysis of consumption behavior and demand using the theory of utility and indifference, the theory of production and costs, and analysis of the firm and industries under the four market structures. Factor pricing and general equilibrium using comparative static analysis techniques are also covered. Selected topics include: market failure, price ceilings and floors under different market structures, subsidies, regulations, price discrimination, and consumer and producer surplus.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics, MATH 210 Calculus I

ECON 420, Money, Banking and Financial Institutions, 4 credits

This course is designed for business and economics students interested in acquiring a broader view of the financial system and its markets. The material is divided into three sections: historical, theoretical and institutional. The historical section covers the evolution of money, money creation, inflation, the economy, and the development of banking. The theoretical part covers methods to trace the impact of money on the economy including classical, Keynesian, monetarist and rational expectation approaches. The institutional portion deals with financial intermediaries and financial instruments.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics or equivalent with instructor's consent.

ECON 201, Macroeconomics, 3 credits

This course focuses on the economy as a whole and studies how government can affect the economy. After starting with principles of markets, the price system and supply and demand, the course covers national income accounting, business cycles, inflation, unemployment, fiscal policy, monetary policy and the Federal Reserve System, different approaches to economic growth, and the foundations of international trade.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

Prerequisite: MATH 115 College Algebra or College Algebra competence.

ECON 202, Microeconomics, 3 credits

This course focuses on the interactions between the consumer and the producer. It begins with the theory of markets, supply and demand, and the price system. Then it covers demand elasticity, the costs of production including the various factor inputs, the four major market structures (pure competition, monopolistic competition, oligopoly and monopoly), and ways to increase the competition in markets.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

Prerequisite: MATH 115 College Algebra or College Algebra competence.

ECON 497, Economic Research and Forecasting, 4 credits

This course prepares students for the task of analyzing primary and secondary economic data in order to assist decision makers in profit, nonprofit and public organizations. It also provides an introduction to econometrics: regression models, serial correlation, forecasting, simultaneous equation estimation, model building, time series and simulations. Students work on a major project during the course.

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics, MATH 210 Calculus I, STAT 201 Statistics I

Other Information: Note: Formerly ECON 597 Economic Research and Forecasting

ECON 496, Managerial Economics, 4 credits

This course focuses on the application of economic analysis to enterprise decision making. The basic topics include analyses of demand, costs, capitalization and strategy. The purpose is to apply economics to achieve long-run profit maximization. Students apply principles of modern strategy to real case studies.

Prerequisite: ECON 202 Microeconomics, STAT 201 Statistics I

Education

EDU 203, Multicultural Education, 3 credits

This course introduces prospective urban teacher candidates to core concepts and approaches of multicultural education including issues related to student, family and community diversity based on race, culture, language, class, gender, sexual orientation and disability. Issues of oppression, privilege and equity in relation to schools and society are also addressed as students use their life experiences as a multicultural reference point to begin to understand the life experiences of the diverse students who attend urban public schools. Emphasis is placed on demonstrating the multicultural competence required of all successful teachers working with diverse urban youth. Clinical field experience hours are part of the course requirements.

Other Information: Community Engagement. Note: This course is required for admission to the Urban Teacher Program. Clinical field experience hours are part of the course requirements.

EDU 300, Assessment of Learning and Teaching in Urban Grades 5-12, 3 credits

This course focuses on assessment as a learning tool to guide the planning, development and implementation of curriculum and instruction. Theories and research related to principles of learning, motivation and multiple intelligences are explored. Practical experience designing short- and long-term learning outcomes and various types of assessment is offered. Topics include standards-based instruction, formative and summative assessment, standardized testing, validity, reliability, bias, rubrics, portfolio-based assessment, performance-based assessment, and communicating with families. State and national standards and performance criteria for the evaluation of teaching are also explored. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 400, Literacy Education in Urban Schools, 3 credits

This course examines the many aspects of literacy which arise in urban secondary classrooms. Through course readings, presentations, discussions, and applied written and oral exercises, students explore ways to teach a variety of materials to diverse middle and high school students whose reading and developmental levels vary widely. Students explore techniques of how to encourage learners both to engage with reading and writing and to assume responsibility for literacy learning. Through instructional techniques and integrated learning models which focus on various content areas, the information learned in this course prepares the teachers to assist struggling readers and writers. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Students are required to have completed at least 12 credits in the teaching major-Math, Life Science, Social Studies or English. Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements. Community Engagement

EDU 430, Historical and Cultural Foundations of Urban Education, 3 credits

This course explores historical, cultural, sociological and philosophical foundations of urban education in the United States. Students gain understanding of the contributions and lifestyles of various racial, cultural and economic groups in our society, including Minnesota-based American Indians. Core concepts include democracy and education, educational equity for all students and historical as well as contemporary relationships between school and society. Emphasis is on issues of power and the educational segregation and attempted deculturalization of historically marginalized groups. Resilience and persistent struggles for equal educational opportunity in the face of oppression are also emphasized from diverse cultural perspectives. Philosophical, legal,

cultural and ethical perspectives about education are explored as teacher candidates develop critical awareness of issues and develop their own philosophies of education. The community is a resource for cross-cultural inquiry and learning about the educational strengths and challenges faced by diverse groups living in urban areas. Field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 460, Student Teaching in the Urban Middle School (grades 5-8), 8 credits

Supervised student teaching for 12 weeks, full-time or the equivalent with students in urban grades 5-8 for teacher candidates seeking 5-12 licensure. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based portfolio are also required.

Prerequisite: EDU 450 Advanced Urban Teaching Practicum and Seminar

Other Information: Community Engagement. Note: Application and approval required to student teach.

Placement made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday for 12 full-time weeks during the school day.

EDU 383, Information Technology for K-12 Education, 2 credits

This course is an introduction to the use of information technology (IT) devices and applications to promote teaching and learning in k-12 educational settings for students with and without disabilities. Teacher candidates will learn primary tools and software applications to promote teacher productivity and integration of IT to promote curriculum, instruction, assessment, and family/educator communication. In addition to instruction and productivity for k-12 general education settings, the course will include introduction to accessibility issues and the "digital divide" that impact urban learners and educators. Students in this course will demonstrate their competence using technology by developing an electronic, standards-based portfolio.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Prerequisite: Intermediate computer /Internet skills (e-mail, word processing, Internet navigation) and activated D2L, e-mail account with the university. Note: Program Admission or Departmental Approval required to register.

EDU 470, Student Teaching in the Urban High School (grades 9-12), 8 credits

Supervised student teaching for 12 weeks, full-time or the equivalent with students in urban grades 9-12 for teacher candidates seeking 5-12 licensure. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based portfolio are also required.

Prerequisite: EDU 450 Advanced Urban Teaching Practicum and Seminar

Other Information: Community Engagement. Note: Application and approval are required to student teach.

Placement made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday for 12 full-time weeks during the school day.

EDU 341, The Child and the Family in an Urban Setting, 3 credits

Theories and realities of diverse family structure and function will be the foundation of this course. The students will examine the unique roles of parents, family, and community in the lives of children who live in urban settings with particular focus on the racial, cultural and ethnic groups that reside in the metropolitan Twin Cities. Opportunities will be available for students to compare their own life and family experiences to those of children living in today's urban communities through primary research experiences. The role of the urban teacher in effectively working with diverse urban families, and strategies for building effective home-school partnerships will

be discussed. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements. Community Engagement

EDU 484, Teaching and Assessing Young Children with Disabilities, 3 credits

This course is designed to prepare prospective early childhood education and elementary teachers to teach and assess young children with disabilities in urban settings. Teacher candidates are introduced to the nature and type of young children with disabilities in the context of urban schools. Formal and informal assessment strategies are addressed as well as strategies for integrating children with disabilities into the early childhood and elementary classroom. Specific areas of focus include the nature of disabilities among culturally and linguistically diverse exceptional learners, instructional individualization, and communication with parents. Issues discussed include funding, professional ethics, and legal implications for professionals, students, and family. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 200, Introduction to Urban Education and Reflective Teaching, 3 credits

This course provides an introduction to urban learners, urban teaching, and urban school systems using case studies and first-person accounts of teaching and learning in an urban environment. Current issues facing urban P-12 students, teachers, schools, districts, and communities will be discussed. Society's responsibility to urban schools will be examined along with the roles that teachers and schools play in increasing student achievement and leading school improvement. Key concepts of the Urban Teacher Program will be introduced including the importance of high expectations, student and teacher resiliency, educational equity, using the community as a resource, and reflection. Various perspectives and dimensions of the achievement gap will be examined, including causes due to discrimination and perspectives on what constitutes high educational achievement for culturally and linguistically diverse youth. Students in this course are expected to explore and express their own experiences, assumptions, beliefs, motivations, and commitments related to teaching and learning in the urban environment. Various types of teacher reflection will be introduced as important means for continual professional growth to meet the needs of urban learners. Clinical field experience hours are part of the course requirements.

Other Information: Community Engagement. Fee: \$110 Taskstream subscription. Note: This course is required for admission to the Urban Teacher Program. Clinical field experience hours are part of the course requirements.

EDU 490, Student Teaching in the Urban Primary Grades 1-3, credits

Supervised student teaching with children in urban primary grades (1-3) classrooms for required for teacher candidates seeking early childhood licensure (Birth-Grade 3). Placement is for a minimum of three full-time weeks (2 credits) in combination with other student teaching placements to a maximum of fifteen full-time weeks (9 credits) in a single placement depending on the teacher candidate's Individualized Student Teaching Plan that is developed with and approved by the teacher candidate's advisor and the Field Experience Coordinator. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based portfolio are also required.

Other Information: Note: Application and approval required to student teach. Placements are made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday during the school day. A total of 15 weeks (9 credits) is required for completion of the ECE licensure programs. Community Engagement

EDU 415, Managing Learning in Diverse Urban 5-12 Classrooms, 3 credits

This course is based on current research on the relationship between classroom management and academic achievement to prepare prospective urban teachers for facilitating student learning in a positive classroom environment. Participants in this course will examine teacher and student classroom behaviors from a cross-cultural perspective to recognize the effects of cultural/linguistic differences in the assessment, interpretation, and planning of the instructional and social environment in a class. Students will gain understanding of individual and group motivation and behavior to create learning environments that encourage positive social interaction, active engagement in learning, and self-motivation. Students will also gain understanding of how factors in student's environment outside of school may influence the classroom learning environment. A portion of this course will explore the influence of the use and misuse of drugs, and management strategies for atypical behaviors stemming from the effects of chemical dependency in adolescents. Teacher candidates will explore multiple methods and strategies for integrating effective classroom management approaches into urban middle school and high school classrooms, including collaborating with other professionals and families to ensure a positive learning environment for all. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 306, Urban Middle School and High School Methods, 4 credits

This course focuses on common methods of differentiating instruction for urban middle school and high school classrooms. Teacher candidates begin learning how to create developmentally appropriate and culturally relevant unit and lesson plans that attend to the various abilities, needs, cultures, experiences, and interests of urban 5-12 students while also meeting district and state standards for learning and making interdisciplinary connections. Foundational understanding of the diverse learning styles and developmental characteristics of young adolescent and adolescent learners forms the basis upon which appropriate plans are developed and methods are employed. The inter-relationships between standards, assessment, curriculum and instruction are examined in promoting high achievement for each urban learner. Teacher candidates gain awareness of current trends in urban middle school and high school education along with the knowledge and skills these trends demand of effective urban educators, including teacher collaboration and teaming. Clinical field experience hours participating in an urban middle school and/or high school classroom are part of the requirements for the course.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Corequisite: EDU 311 Urban Teaching Practicum and Seminar

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 475, Student Teaching in the Urban Infant-Toddler Classroom, credits

Supervised student teaching with children ages 0-3 within an urban child care center for teacher candidates seeking early childhood licensure (Birth-Grade 3). Placement is for a minimum of three full-time weeks (2 credits) in combination with other student teaching placements to a maximum of fifteen full-time weeks (9 credits) in a single placement depending on the teacher candidate's Individualized Student Teaching Plan that is developed with and approved by the teacher candidate's advisor and the Field Experience Coordinator. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based portfolio are also required.

Prerequisite: EDU 321 Urban Infant-Toddler Curriculum and Practicum and completion of at least 60 credits required for the degree/licensure program, and admission to student teaching.

Other Information: Note: Application and approval are required to student teach. Placements are made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday during the school day. A total of 15 weeks (9 credits) is required for completion of the ECE licensure programs.

Community Engagement

EDU 485, Student Teaching in the Urban PreK-Kindergarten Classroom, credits

Supervised student teaching with children ages 3-5 within an urban preschool and kindergarten classrooms required for teacher candidates seeking early childhood licensure (Birth-Grade 3). Placement is for a minimum of three full-time weeks (2 credits) in combination with other student teaching placements to a maximum of fifteen full-time weeks (9 credits) in a single placement depending on the teacher candidate's Individualized Student Teaching Plan that is developed with and approved by the teacher candidate's advisor and the Field Experience Coordinator. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based portfolio are also required.

Prerequisite: EDU 323 Urban Pre-K and Kindergarten Curriculum and Practicum and completion of at least 60 credits required for the degree/licensure program, and admission to student teaching.

Other Information: Note: Application and approval are required to student teach. Placements are made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday during the school day. A total of 15 weeks (9 credits) is required for completion of the ECE licensure programs. Community Engagement

EDU 323, Urban Pre-K and Kindergarten Curriculum and Practicum, 4 credits

This course will review the development of children age's three to five, and connect development to the practices used to design appropriate learning experiences for pre-kindergarten and kindergarten children in urban settings. Students will learn curriculum and instructional strategies which integrate development, skills and content knowledge in individualized, culturally respectful manners. As prospective urban teachers, students in this course will be introduced to the concepts and criteria for determining school readiness as well as learning the rationale and strategies for developmentally appropriate guidance. This course will help students develop holistic, child centered approaches to pre-kindergarten and kindergarten curricula. Students also complete a field experience practicum in an urban pre-kindergarten or kindergarten settings to integrate knowledge gained in class with experiences working with urban three to five year-olds.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Early Childhood Education students are strongly recommended to take EDU 321 Urban Infant-Toddler Curriculum and Practicum before taking this course. Clinical field experience hours are part of the course requirements.

EDU 450, Advanced Urban Teaching Practicum and Seminar, credits

This advanced pre-student teaching practicum is designed to give urban teacher candidates the opportunity to document and reflect upon at least 60 hours practical clinical experience in an urban middle school or high school classroom within their subject area of licensure. Requirements include teaching at least 3 lessons in their licensure area to a whole class of students, but most of the clinical field experience hours and active classroom involvement will be determined by field-based assignments required in other Education courses and the cooperating urban school teacher hosting the practicum. Successful completion of this practicum is a prerequisite for student teaching. Requirements include attendance and participation in periodic seminars to help prospective urban teacher candidates reflect upon their field experiences, and prepare for student teaching.

Prerequisite: EDU 311 Urban Teaching Practicum and Seminar

Other Information: Community Engagement. Note: Admission to the Urban Teacher Program required to register.

Co-requisites: For Secondary Education majors depending on the licensure area a required content methods course i.e., LAED, MAED, SCED or SSED is to be taken concurrent with EDU 450. For Elementary and Early Childhood Education majors, EDU 487 Methods of Teaching Reading in Urban Grades K-6 is to be taken concurrently with EDU 450.

EDU 311, Urban Teaching Practicum and Seminar, credits

This practicum is designed to give urban teacher candidates the opportunity to document and reflect upon at least 40 hours practical clinical experience working with diverse youth in an urban middle school or high school. Most of the field experience hours will be determined by field-based assignments required in other Education courses. Included with these experiences, urban teacher candidates practice using diagnostic assessment to guide their instructional planning of at least three lessons for a small group of 1-5 students needing help to improve their reading or mathematics literacy. Successful completion of this practicum is a prerequisite for student teaching. Requirements include attendance and participation in periodic seminars to help prospective urban teacher candidates reflect upon their field experiences, and prepare for future clinical field experiences including student teaching. Co-requisites: EDU 306, OR EDU 606, OR EDU 323, OR EDU 481.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education, EDU 600 Principles of Urban Education

Corequisite: EDU 306 Urban Middle School and High School Methods

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register.

Clinical field experience hours are part of the course requirements. Students may register for either 0 or 1 credit depending on personal circumstances; but the practicum requirements are the same. Placements are made or approved by the Urban Teacher Program Director of Field Experiences. Participation in three reflective seminars with other students is also required for this course. Community Engagement

EDU 345, Integrated Classroom Management Methods in Urban Grades K-6, 3 credits

This course addresses current research on the correlation between classroom management and academic achievement. The student will explore multiple methods and strategies for integrating effective classroom management approaches and developing learning communities in urban K-6 classrooms.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 361, The Arts in Early Childhood and Elementary Education, 3 credits

This course will provide the prospective teacher with opportunities to plan and implement developmentally and culturally appropriate activities in the arts for young urban children. The students in this course will be introduced to the basic theories of teaching the visual arts, creative movement, music and creative dramatics within a developmental program for young children. Integration of the arts into the regular daily curriculum of urban early childhood settings will be a major focus of this course. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 495, Student Teaching in the Urban Elementary School K-6, 8 credits

Required culminating clinical field experience with children and a cooperating classroom teacher in an urban elementary grades (K-6) classroom for urban teacher candidates seeking elementary education licensure. Placement is for a minimum of twelve full-time weeks based on teacher candidate's Individualized Student Teaching Plan that is developed with and approved by the teacher candidate's advisor and the Field Experience Coordinator the semester prior to student teaching. Weekly reflections, periodic seminars with other student teachers, and the development of a standards-based e-portfolio are also required.

Other Information: Community Engagement. Note: Application and approval are required to student teach. Placements are made by arrangement with UTP Field Experience Coordinator in urban classrooms and are typically Monday through Friday for 12 full-time weeks during the school day.

EDU 487, Methods of Teaching Reading in Urban Grades K-6, 3 credits

This course presents an in-depth study of the predominant current philosophies and methodologies of Early Childhood and Elementary reading instruction. Emphasis will be placed on the critical elements in literacy development. These elements are: phonemic awareness, phonics instruction, vocabulary development, fluency, and comprehension. Current organizational procedures and foundations of reading instruction will be presented. Special consideration is given to effective practices and adapting instruction for culturally and linguistically diverse students.

Prerequisite: EDU 483 Foundations of Teaching Reading in Urban Grades K-6

Other Information: Community Engagement

EDU 325, Emergent Literacy in Urban Early Childhood Education, 2 credits

This course will cover the normal development of skills and understandings necessary for a young child to learn to read and write. The individual nature of readiness and the differences in children's approaches to learning to read and write will be a focus of the course. The instructional strategies and materials that constitute a developmentally and culturally appropriate reading and language arts program for young urban children will be presented and used in practice sessions. The important role of multicultural literature in an emergent literacy curriculum for diverse urban children from a variety of backgrounds, experiences, and families will be emphasized. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 333, Assessment of Learning in Urban Grades K-6, 3 credits

Students will learn to use formal and informal assessment and evaluation strategies to plan and individualize curriculum and instructional practices in diverse, urban Early Childhood and Elementary classrooms. The foundations of assessment theory and practice will be presented, including the integration of performance standards for grades K-6, standardized testing requirements, and developmentally appropriate practice for diverse learning needs in urban settings. Students will have opportunities to develop and practice authentic assessment tools and strategies with the goal of using assessment to guide instruction. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements. Community Engagement

EDU 001, UTP Information, 0 credits

Access on-line via D2L important information about the Urban Teacher Program (UTP) needed from program admission through program completion and licensure. Information includes a link to the UTP Student Handbook; news, events, and opportunities for UTP students; opportunities to ask questions, participate in on-line discussions, and provide feedback about the UTP; and drop boxes to submit required forms.

Other Information: Note: This non-credit, no-fee, online D2L resource for information about Urban Teacher Program requirements, handbooks and opportunities only requires one-time registration while a student at Metropolitan State. For directions to self-register go to https://metrostate.ims.mnscu.edu/shared/UTP_selfregister.pdf

EDU 483, Foundations of Teaching Reading in Urban Grades K-6, 3 credits

This course explores the fundamentals of reading instruction. The course provides Early Childhood and pre service k-6 teachers with knowledge of the foundations of the reading and writing process, strategies and curriculum materials to support reading and writing instruction, assessment tools and practices to plan and evaluate effective reading instruction, and create a literate environment that fosters reading and writing.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Community Engagement

EDU 331, Physical Development, Health, Nutrition, Effects of Drugs in Birth-Grade 6, 3 credits

The spectrum of physical and motor development of children from conception to age 8 will be covered in this course. Students will also be introduced to foundations of good nutrition and health maintenance for young children. There will be opportunities to develop nutritional plans for yearly childhood programs that respect cultural and religious diversity. Students will consider health policies for schools and child care centers as well as assess and plan large and small motor activities for groups and individual children. The effects of drugs will be addressed, from the prenatal period through the use of medication to treat behavior and emotional conditions in early childhood.

Prerequisite: EDU 200 Introduction to Urban Education and Reflective Teaching, EDU 203 Multicultural Education

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register.

Clinical field experience hours are part of the course requirements.

EDU 435, Teaching and Assessing English Language Learners, 3 credits

This course includes an examination of the process of second language acquisition and strategies for teaching English Language Learners (ELL) subject matter content in urban K-12 classrooms. Prospective teachers will learn how to modify mainstream course materials and instructional strategies so that ELL students can engage in course content while simultaneously developing their English language skills. Course activities and expectations include demonstrating teaching strategies; developing lesson modifications; evaluating textbooks and other materials and resources available in the field; and examining issues in testing students of limited English proficiency for placement, diagnosis, exit, and evaluation. There is a requirement of a 10-hour field experience in urban setting involving classroom participant-observations and working with an ELL student.

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

EDU 150, Preparing for the MTLE Basic Skills Test, 1 credits

This elective course prepares prospective teachers to take the Minnesota Teacher Licensure Examinations (MTLE) Basic Skills Test that is required for initial state teaching licensure. The course includes written and computerized applications as methods of instruction. Students will have opportunities to practice essential skills in preparation for successfully passing the MTLE Basic Skills Test that assesses reading, writing, and mathematical competence. Each class session will be held in a computer lab with individual computers provided for each student. There are no pre-requisites for this course, and it does not meet any program requirements.

EDU 330, Teaching Children's Literature in Urban Grades K-6, 3 credits

This course provides pre-service Early Childhood and Elementary teachers with the theoretical foundations and practical skills necessary to become reflective professionals who can analyze and select high quality and developmentally appropriate literature for children. Student will develop skills needed to guide children's selection of books, understand how to use literature with children, design age appropriate lessons and activities to stimulate and extend children's literary experiences and reading enjoyment throughout the elementary

curriculum for economically, academically, culturally, racially and linguistically diverse children. Session topics will focus on student motivation, classroom organization, and teaching with children's literature. Central to all topics is the use /inclusion of literature that is multicultural/multiethnic.

Other Information: Community Engagement

EDU 481, Urban Grades 1-6 Curriculum and Practicum, 4 credits

This course will review development of children grades 1-6 and connect development to the practices used to design programs for grade 1-6 children in urban classrooms. Urban teacher candidates will learn appropriate curriculum and instructional strategies for the presentation of a program which integrates development, skills, and content knowledge in individualized, culturally respectful manners for diverse urban learners. Prospective urban teachers will develop learning plans for grades 1-6 language arts, mathematics, social studies and science and have opportunities to assess their plans as part of a holistic, child-centered curriculum. The rationale and strategies for developmentally appropriate guidance will also be learned. Clinical field experience hours are part of the course requirements.

Other Information: Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements. Community Engagement

Entrepreneurship

ENTR 490, Challenges and Choices in Small Business and Entrepreneurship, 4 credits

This course introduces students to the planning process and frameworks for two dimensions of entrepreneurship: a) making educated decisions to effectively start and grow small organizations; and b) understand the tools required to be an innovative manager within an existing organization. When combined with recommended courses, this course offers a strong foundation for students considering starting or managing an organization (for profit or non-profit). Practical current cases are used to challenge students in management issues related to effective decision making in marketing, finance, production and other areas of knowledge required to lead an innovative organization.

Prerequisite: FIN 390 Principles of Finance, MGMT 310 Management Principles and Practices, MKTG 300 Marketing Principles, ENTR 300 Interdisciplinary Knowledge and Skills for Entrepreneurship and Innovation

Other Information: Note: Course is a requirement for the Entrepreneurship Minor, a major elective for Business Administration, and can be taken as the capstone for Organizational Administration.

Environmental Science

ESCI 315, Limnology, 5 credits

This course covers the biology, chemistry and physics of aquatic habitats with an emphasis on the ecology of lakes in Minnesota. The content and methods of modern limnology research are emphasized. Labs focus on field and lab investigation of water bodies in the metropolitan area. Most of the weekly labs take place outdoors. Intended for biology and life sciences teaching majors and other qualified students.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , People/Environment Goal(10)

Prerequisite: BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 115 College Algebra, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 120 Pre-calculus, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, MATH 210 Calculus I, BIOL 111 General Biology I, BIOL 112 General Biology II, CHEM 111 General Chemistry I, CHEM 112 General Chemistry II, STAT 201 Statistics I

Other Information: Community Engagement. Note: Enrollment limited to Biology and Life Science Teaching majors only, except by instructor permission. First day attendance required except by instructor permission. Formerly BIOL 315 Limnology.

Ethnic Studies

ETHS 305, Major Issues in U.S. Race Relations, 4 credits

Will race matter in this millennium? This course explores major issues currently impacting race relations in the United States, such as affirmative action, immigrant education, employment, housing, health and welfare, and so on. This course takes historical and interdisciplinary approaches to help students understand the interrelationship between social structure, public policies, race and ethnicity. Videos and movies are shown as part of class discussion on these issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 361, History of Asian Americans, 4 credits

A majority of U.S. immigrants today come from Asia, the Middle East and Latin America. This immigration pattern represents a significant departure from the past, when immigrants came from very different regions of the world. This course traces the unique story of Asian Americans following them from their early days to modern times and analyzing issues with which the group is faced. Short videos and movies are shown followed by discussion.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Overlap: HIST 320 History of Asian Americans.

ETHS 499, Ethnic Studies Capstone, 4 credits

This course is designed to engage ethnic studies majors in a final integrative experience in weekly seminars. Students explore major issues surrounding race, ethnicity and culture while completing a senior research project.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 100, Introduction to Ethnic Studies, 4 credits

This course is designed to look at the origin, development and mission of ethnic studies within the context of higher education in the United States. It provides an introduction to the history of racial/ethnic and cultural communities and race relations. In addition, students study the structure and purpose of U.S. higher education

and its relations to ethnic communities.

MnTC (GELS): Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

ETHS 200, Theories of Race, Ethnicity and Culture, 4 credits

This survey course examines the conceptual development of race, ethnicity and culture from a variety of disciplinary perspectives. It focuses both on the differences and similarities in these conceptual frameworks. The American Indian, African American, Asian American, Chicano-Latino and Euro-American cultures are broadly examined. How these racial, ethnic and cultural concepts affect the contemporary experience of these groups in U.S. society is also examined.

MnTC (GELS): Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 303, Politics of Resistance and Protest Movements, 4 credits

There have been various efforts by communities to challenge the effects of discrimination and inequality in society. The creation and development of social resistance movements has been one such effort and is an important part of history. This class explores modern social movements and their relationship to racial and ethnic communities in the United States.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 332, Topics in Contemporary Native North America, 4 credits

This course examines significant and current issues in Native America. Drawing across disciplines and tribal communities, the course interweaves the following topics: tribal sovereignty; federal, tribal, and state relationships; economic development; language preservations; education; health disparities and health promotion; ethnic identity; urban experiences, and Native American media and art. This class presents Indigenous peoples as modern peoples, not as images from the past.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

ETHS 334, American Indian Spirituality, 4 credits

American Indians have a wonderfully rich tradition of wisdom and spirituality. This course looks at the spirituality of at least two nations of American Indians from a variety of perspectives including historical, sociological, anthropological and political. Students have the option to explore other American Indian nations if desired. Some community research is expected.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Human Diversity Goal (07)

Other Information: Overlap: RELS 322 American Indian Spirituality.

ETHS 316, Race and Religion, 4 credits

This course explores the role and function of religion in the lives of American racial and ethnic groups. It also addresses how religious belief has helped different racial groups in sustaining their struggle for survival and inspiring their lives. Topics covered include the concepts of identity, selfhood, community, spirituality, social responsibility, salvation and freedom. Certain religious tradition, such as African American, American Indian and Asian American, are discussed in the light of histories of the groups. (Also listed as RELS 333 Race and Religion.)

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Human Diversity Goal (07)

Other Information: Community Engagement. RELS 333 Race and Religion

ETHS 262, Asian Americans in Minnesota, 2 credits

This course provides the historical and contemporary perspectives of Asian Americans in Minnesota from the late 1800s to the present. The historical overview includes immigration and refugee experiences. The contemporary component includes demographics, struggles, conflicts and opportunities of Asian Americans in the state.

MnTC (GELS): Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 309, Race and Public Policy, 4 credits

This course will examine public policy and its impact on historically and politically disenfranchised communities of color in America, by first understanding public policy as an emerging practice that when juxtaposed with historically emergent notions of "race" in America, offers us a more complete vista of what public policy means (both explicitly and implicitly), and how that policy comes to function (both in the private and public realms of human socioeconomic activity.)

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Other Information: Community Engagement

ETHS 342, Contemporary Issues in Black Studies, 4 credits

Using contemporary Black Studies paradigms and theoretical schemata, this course will not only examine contemporary issues facing the Black community in a engaged historical and political economic context--making relevant connections to the contemporary phenomena and its subsequent articulation in the 21st century--but will also traverse a range of contentious views regarding root causes of, possible solutions for, and persistent dialectics within Black communities. This trinity of approaches will offer assistance as we acquire and increase our understanding regarding local (and global) transatlantic-Black communities.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 302, Immigrant Communities and the Trajectories of Othering, 4 credits

This course takes a systematic and historic look at the role of U.S. immigration and examines how it affected development of African, Asian, Chicano/Latino and American Indian cultures within the U.S. "national culture." The course also examines the impact of immigrants on U.S. and Minnesota economic, cultural and political life.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Community Engagement

ETHS 252, Latinas/os in Minnesota, 2 credits

This course studies the history and experience of Chicanos and Latinos in Minnesota, including the origins of the Chicano/Latino community, social and political histories, and contemporary issues affecting Chicanos and Latinos in Minnesota. Focuses include immigration to the state, agricultural and urban labor and settlement patterns, contemporary immigrations streams, and community organizations developed to assist Latinas/os.

MnTC (GELS): Human Diversity Goal (07)

Other Information: Community Engagement

Finance

FIN 511, Investments and Portfolio Analysis, 4 credits

This course focuses on the risk of, and return on, financial securities and the fundamental concepts of Modern Portfolio Theory (MPT) as they relate to diversification and asset allocation within portfolios of financial and other assets. Topics include security markets, equity and fixed income securities, derivatives, portfolio management, and portfolio management performance evaluation.

Prerequisite: FIN 392 Corporate Finance

Other Information: Note: The Pre-requisite FIN 392 may be taken at the same time as FIN 511.

FIN 392, Corporate Finance, 4 credits

This course (formerly designated FIN 590) builds on work done in FIN 390 Principles of Finance to develop understanding of corporate financial decision making. Topics include cost of capital, capital structure policy, dividend policy, options, risk management, mergers and acquisitions, and leasing.

Prerequisite: FIN 390 Principles of Finance

FIN 390, Principles of Finance, 4 credits

This course introduces the application to financial decision-making of mathematics, statistics, economic theory, and accounting procedures. The two central ideas are time value of money and the relationship between expected return and risk, and how these ideas are used to value bonds, stocks, and other financial securities, and to make capital investment decisions.

Prerequisite: ACCT 210 Financial Accounting, ECON 202 Microeconomics, MATH 115 College Algebra, STAT 201 Statistics I, ACCT 210 Financial Accounting, ECON 202 Microeconomics, MATH 210 Calculus I, STAT 201 Statistics I

FIN 550, International Finance, 4 credits

This course is an introduction to the international dimensions of corporate financing, investment, and risk management decisions. Topics include foreign exchange markets, international financial systems, foreign exchange rate determination, currency risk, spot and forward rates, hedging, international monetary and trade flows, multinational capital budgeting, and cost of capital in emerging economies. Overlap: IBUS 550 International Financial Management.

Prerequisite: FIN 390 Principles of Finance

FIN 560, Financial Markets and Institutions, 4 credits

This course provides an overview of financial markets and institutions. Topics include the workings of various financial markets, the functions of different types of financial institutions, and the regulatory framework for the financial sector. The course concludes with an introduction to the types of risks faced by institutions and the basic tools and concepts to manage these risks. Further, the course will include topics of current interest.

Prerequisite: ECON 201 Macroeconomics, FIN 392 Corporate Finance

Other Information: Note: The Prerequisite FIN 392 may be taken at the same time as FIN 560.

Geography

GEOG 201, Introduction to Geography, 3 credits

This course introduces students to the concepts and tools used by geographers to think critically about the relationship between humans and their environment. Geographers use this focus to answer contemporary questions of political, economic, social and environmental concern. This course is designed to help students understand the role human and physical geographies play in shaping individuals' experiences and understanding of the world.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05), People/Environment Goal (10)

Geology

GEOL 118, Environmental Geology, 4 credits

This course introduces the geological materials, processes and events of the earth's surface and crust that are most relevant to human populations. The phenomena studied include natural disasters such as earthquakes, volcanic eruptions, tsunamis, floods, and hurricanes, as well as important resources such as water, soil, traditional and alternative energy resources, and pollution and remediation of water and air quality.

MnTC (GELS): Natural Science Goal (03), People/Environment Goal (10)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test. In addition, proficiency in using the internet is a requirement for this class.

GEOL 314, Earth Surface Environments, 5 credits

This course develops topics in earth surface processes, including geomorphology and general hydrology. Studies of Late Cenozoic landscape change will focus on glacial and fluvial processes in the Upper Midwest. We will examine surface water and Groundwater Hydrology with an emphasis on the Twin Cities and southern Minnesota. The course will employ college algebra skills to develop a semi-quantitative approach to groundwater and surface water hydrology. A mandatory Saturday Field Trip is an essential component of this course.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), People/Environment Goal (10)

Gender Studies

GNDR 365, The Cultural Politics of GLBT Sexuality, 4 credits

This course studies the socio-cultural, political, and conceptual bases of contemporary identity formation in gay, lesbian, transgender and bisexual communities. Variable topics of study, focused primarily on the United States, examine the development of communal and political GLBT identity rooted in the philosophical, social, and political debates and challenges among and between GLBT people since 1945: the Homophile movement of the

1950s and 1960s, the Stonewall Riot of 1969 and Gay liberation movements of the 1970s, lesbian feminism and the politicization of sexuality, the HIV Crisis, GLBT civil rights and public policy, transgender politics, race and its relationship to sexuality, and cultural, literary, and filmic expressions of GLBT identity.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement, Overlap: PHIL 365 the Cultural Politics of GLBT Sexuality.

GNDR 201, Introduction to Gender and Women's Studies, 4 credits

This course provides an introduction to gender and women's studies, an interdisciplinary field that critically analyzes themes of gender and power in a range of social spheres such as education, government, law, culture, work, medicine and the family. The course will explore the complex ways in which gender interacts with class, race, ethnicity, sexuality and age within these spheres and social institutions. The class addresses questions such as the following: Why has gender been an organizing principle of society? How do different expectations for men and women emerge in different societies and historical periods? How do race and sexuality influence and differently shape our experiences of gender? How do we explain the sexual division of labor and the unequal status of women? Close attention will be paid to the connection between social structure and human agency: how are people lived experiences both shaped and limited by social forces, and how is experience reshaped or reproduced through human action? This course sometimes includes service-learning components.

MnTC (GELS): Hist/Soc/Behav Sci Goal (o5), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

GNDR 345, Global Perspectives on Gender, 4 credits

This course critically analyzes global issues related to gender and sexuality from historical, social scientific and interdisciplinary perspectives. We will question commonly accepted notions of gender and sexuality and perceived social roles both historically and beyond the framework of U.S. and western societies. Areas to be explored include culture, economic development, education, government, health and law. Special attention will be given to such issues as human rights and public activism. The class will engage in understanding gender and sexuality within the contexts of shifting local and global power dynamics and as necessarily interconnected with race, ethnicity, class, and (neo) colonialism.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (o5), Global Perspective Goal (o8)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

GNDR 270, Gender, Race and Popular Culture, 3 credits

Our ideas about race and gender shape and are shaped by popular culture including the internet, music, television, film, newspapers, magazines, and the arts. Every community member both consumers and helps to create popular culture. In this course, students will explore the ways that gender, race, and related concepts are portrayed in popular culture. In so doing, students will develop a greater awareness of themselves as both consumers and producers of culture as well as an understanding of gender and race as "social constructs" that interact with each other and with other aspects of identity, such as sexual orientation and social class.

MnTC (GELS): Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

GNDR 220, Introductory Topics in Gender Studies, credits

This course explores, at an introductory level, contemporary and historical issues not represented in regularly scheduled courses in the Gender Studies program or in other departments.

MnTC (GELS): Human Diversity Goal (07)

History

HIST 102, The American Past: From 1865, 3 credits

This survey course traces U.S. development from the end of the Civil War until the present day. Students study post war Reconstruction in the South, the return of legal and social discrimination against African Americans, the advent and results of the Industrial Revolution, the making of modern capitalism, the increasing political and economic roles of women, the two World Wars, and America as a world power and multiethnic society.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

HIST 305, U.S. Economic Life: Technology, 4 credits

This course investigates the changes in American economic life from the late eighteenth century to the present, with a special emphasis on how technological developments have influenced these changes. Students explore the major technological innovations and their diffusion and impact, the social institutions that influenced and were influenced by these changes, and the ramifications of technological and social change upon the everyday material life of Americans.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 310, American Indian History, 4 credits

History 310 is a general survey of the history Native North American nations from pre-contact through the late 20th century. Partly chronological and partly thematic, the course makes use of readings, lectures, films, group projects, community investigation and class discussion to introduce students to the rich diversity of Native North American societies and cultures. A key focus will be the efforts of Native Americans to revitalize their societies through incorporating change within a culturally persistent world-view despite enormous European and European American pressure to assimilate into the dominant society. Course materials will also focus on how Europeans and European Americans were also confronted with the task of incorporating change introduced by Native Americans into their own world-view. The impact of contact and exchange profoundly affected both Native Americans and Europeans and is still affecting their descendants today. Students will be given the opportunity to explore Twin Cities' resources and take a turn at leading a class discussion.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , Human Diversity Goal(07)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 346, Minnesota History, 4 credits

In this course, students survey Minnesota history, its geography, economy and political history, focusing on the people who populated the territory and state from its earliest days to the present. Students learn through readings, maps, films, music, photographs, firsthand accounts and short stories. They relate events in Minnesota's history to national and international events, and to movements which have affected the state's social, political and economic development.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: WRIT 131 Writing me or equivalent.

Other Information: Prerequisite: Any writing course that is 100-level or above.

HIST 351, Europe: The Global Power, 1789-Present, 4 credits

Students in this course study Europe's rise, and decline, as the dominating force in the world. The numerous political and economic systems which existed in Europe during this period-monarchy, democracy, fascism, capitalism, socialism, communism-are examined, and students explore how people living under these systems perceived them. The class also discusses the current movement towards a federal, "United States of Europe." Emphasis is placed on learning historical skills and using a variety of sources.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , Global Perspective Goal(o8)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 331, Religion and Politics in America, 4 credits

Religion has always been deeply enmeshed in American political life, despite the American tradition of separation of church and state. Today, some fear an erosion of that separation, while others complain that we live in a "culture of disbelief" where religion is not respected. This course examines controversies surrounding religious belief, religious practice and religious diversity in industrial America, giving students the opportunity to decide for themselves what the place of religion in modern America is and ought to be. Students of diverse religious backgrounds are most welcome, but a respect for the beliefs of others is a condition of participation. Overlap: RELS 355/555 Religion and Politics in America and Hist 531 Religion and Politics in America.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , Ethical/Civic Resp Goal(09)

Prerequisite: WRIT 131 Writing I or equivalent.

Other Information: Overlap: RELS 355/555 Religion and Politics in America.

HIST 333, The Greening of America: Environmental History since 1900, 4 credits

This course surveys the history of environmentalism in America over the last 100 years. Students are introduced to the ideas of the environmentalists-from Theodore Roosevelt and Rachel Carson to EarthFirst!'s Dave Foreman and Vice President Al Gore-about wilderness preservation, resource conservation, public health and, fundamentally, about the proper relationship between humans and the natural world. Environmentalist thought and actions are considered in the context of ecological and resource crises (such as the Dust Bowl of the 1930s and the oil crisis of the 1970s), of problems created by technological applications (such as the widespread use of DDT) and of particular cultural developments (such as the closing of the "frontier" at the turn of the century and the growth of the counterculture in the 1960s).

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , People/Environment Goal(10)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 490, Historian as Investigator: Historical Research, 4 credits

Taking the role of professional historians, students conduct research in archives and libraries, use local collections of historical documents, read and produce projects in oral history, research distant archives through the Internet, and help to inventory community-based records. Students investigate at length one topic of their own choosing, using two or more methods of historical research. They discover the excitement of using documents written "at the time," of finding "the truth" in history, and of researching and writing about a topic of personal interest. Traditionally, the class has involved both history students and students outside the discipline. History majors should take the capstone course at or near the end of their study in history. Discipline preparation has not

determined performance.

Prerequisite: HIST 301 Historical Interpretation also, declared History major or instructor's consent.

HIST 394, Comparative Women's History, 4 credits

This course compares women as global citizens in a least two cultures or regions of the world. Topics to be covered include women's involvement in family, reproduction, work, education, social and public activism, and war as well as cultural, racial/ethnic, class, generational and ideological differences among women. We will examine these issues in such global contexts as capitalism, industrialization, imperialism/colonialism, socialism and international law.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , Global Perspective Goal(08)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 104, World History II: The Modern World, 1500 to the Present, 3 credits

This course examines the interactions among the world's peoples as they were brought increasingly into contact with one another after 1500. The rise of capitalism, colonialism and imperialism were closely linked to the creation of the modern world system, a system that took shape out of the cooperation and conflict among and between people as they were drawn into a world economy. Their experiences, the experiences of the people of the past as they both created and confronted the modern world, are thus central to an understanding of our own place in it.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

HIST 363, World Environmental History, 4 credits

This course surveys the key themes and developments in world environmental history; that is, the history of how human societies have changed their environments and how the environment has influenced the courses of societies. It examines pre-modern cultures' intellectual, economic, and technological approaches to the environment, the role of epidemic and environmental transformation in the colonial age, and the revolutionary changes introduced to the environment in the modern period of industrialization and population growth and the rapid consumption of resources that has involved. The course places contemporary environmental issues in their deep historical contexts.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , People/Environment Goal(10)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 383, Latin America History II: 1910 to Present, 4 credits

This course surveys the last one hundred years of the history of Latin America, focusing on struggles to overcome economic dependency, underdevelopment, gross internal inequalities, a lack of democracy, and U.S. "hegemony" of domination. Students learn why Latin Americans faced these five challenges, and will be able to evaluate the many efforts of Latin Americans to grapple with them. Key historical developments, including globalization, environmental devastation, war, revolution and reform, and social movements will be surveyed. We will place contemporary issues facing Latin America in their historical context. Broad continental trends will be discussed and then tested by examining particular case studies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 335, A New Birth of Freedom: U.S. Civil War and Reconstruction, 4 credits

This course examines the political, social and military conflicts that divided the United States during the years 1845-1876, the era of the American Civil War and Reconstruction. Readings in primary documents, such as letters and diaries, supplement secondary sources and library research in the study of Southern slavery and the secession crisis, emancipation and the destruction of slavery, the political and economic organization of societies for war, the evolution of warfare, and the struggles over Reconstruction in Congress and the postwar South.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05) , Human Diversity Goal(07)

Prerequisite: WRIT 131 Writing I or equivalent.

HIST 336, From Roosevelt to Reagan: American History, 1932-1980, 4 credits

From the pit of the Great Depression to the struggles of World War II, the emergence of the Cold War, the growth of new social movements, and the rise of political conservatism, this course examines the course of American history from the presidency of Franklin D. Roosevelt to the election of Ronald Reagan. The rise and fall of what historians call the New Deal order is examined. Familiar personalities and controversies are placed in a larger historical context. Political, social, economic, and cultural trends are analyzed. Both national leaders and grassroots movements receive attention.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Human Resource Management

HRM 310, Human Resource Management: A Strategic Framework, 4 credits

Consistent with current management thought this course examines the importance of human capital in organizations. Human Resource Management theories, trends, policies and practices are studied from a strategic management, decision-making perspective covering staffing compensation, employee development, employee relations, labor relations and related areas. A case study approach is used and outside research is required.

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior.

Note: HRM 310 is recommended for general management and business administration students in addition to human resource management professionals.

HRM 330, Personnel and Industrial Psychology, 4 credits

This course focuses on principles and techniques of personnel and industrial psychology and applications of scientific psychology to business and industrial settings. Topics include: psychology as a science and professional practice issues; employee selection, psychological testing, performance appraisal, and training and development; leadership in organizations; motivation, job satisfaction and job involvement; organizational structure; work conditions, engineering psychology, employee safety and health, and work stress; and consumer psychology. This course is appropriate for general management, business administration and psychology students in addition to human resource management professionals.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , Hist/Soc/Behav Sci Goal(05)

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior

Note: This course is recommended for general management and business administration students in addition to human resource management professionals. Overlap: PSYC 344 Personnel and Industrial Psychology.

HRM 370, Employment Law, 4 credits

Key laws, administrative regulations and selected court cases which impact day-to-day, employee-employer relationships are the focus of this course. Students explore formulation of policies and programs that respond to issues such as equal employment opportunity, wage and salary administration, safety and health, employment at will, immigration, drug testing, and labor/management relations in unionized organizations.

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior

Note: This course is recommended for general management and business administration students in addition to human resource management professionals.

HRM 520, Staffing Organizations, 4 credits

This course examines the concepts and methods of human resource forecasting, planning and alternative staffing strategies within an organization. It addresses staffing needs under varying organizational conditions such as mergers, downsizing, and acquisitions. Selected topics include job analysis, recruitment methods, selection techniques, training needs, termination procedures, and the ethical and legal implications of staffing policies.

Prerequisite: HRM 310 Human Resource Management: A Strategic Framework

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior.

HRM 530, Employee Development and Training, 4 credits

This course, specifically designed for students interested in human resource management or general management, focuses on human resource development in organizations and stresses applications to improve productivity and meet organizational goals. Topics include the evolution of training and development, needs assessment, the learning process, selecting training and development methods, and evaluating training and development.

Prerequisite: HRM 310 Human Resource Management: A Strategic Framework

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior.

HRM 540, Compensation Management, 4 credits

This course examines principles and practices of compensation management to support organizational mission and goals. Topics include job analysis, job evaluation, external market analysis, pay structures, salary administration, motivation theories and legal principles. It covers the concept of total compensation by examining the integrated roles of base pay, employee benefits, and incentive programs within an organization. It is intended for people who will design, develop, implement and/or administer compensation programs.

Prerequisite: HRM 310 Human Resource Management: A Strategic Framework

Other Information: Recommended: MGMT 310 Management Principles or MGMT 320 Organizational Behavior.

HRM 544, Employee Benefits Management, 4 credits

This course emphasizes the design, administration and communication of employee benefit plans to support organizational mission and goals. Students are taught to set program objectives, understand the dynamic regulatory environment which governs benefits, and learn basic design features for various benefits including medical/dental, life, disability, retirement and flexible benefit plans. The course also examines methods used to communicate and administer benefit programs.

Prerequisite: HRM 310 Human Resource Management: A Strategic Framework

Other Information: Recommended: MGMT 310 Management Principles or MGMT 320 Organizational Behavior and Finance 390 Principles of Finance.

HRM 550, Employee/Labor Relations, 4 credits

This course focuses on employer-employee relationships in both union and nonunion settings in the private and public sectors. . Employee relations policies and practices include topics such as workplace violence, drug and alcohol policies, dispute resolution mechanisms, work teams, lean manufacturing/continuous improvement, employee involvement programs and employee communications. Labor relations topics addressed in the course include the unionization process, collective bargaining, contract administration, grievance procedure, arbitration and the future unions in the United States.

Prerequisite: HRM 310 Human Resource Management: A Strategic Framework

Other Information: Recommended: MGMT 310 Principles of Management or MGMT 320 Organizational Behavior or HRM 370 Employment Law Note: This course is recommended for general management and business administration students in addition to human resource management professionals.

Human Services Administration

HSA 369, Program Evaluation, 4 credits

This course focuses on the knowledge and skills needed to appropriately identify, collect, analyze and report evaluative information to be used in making decisions about, and changes in, programs. Topics include approaches to program evaluation, the process of planning and conducting an evaluation, basic principles and practices of designing evaluation instruments, and methods for interpreting and presenting data with an emphasis on providing relevant information to decision makers. This course is appropriate for anyone in business, public, nonprofit or human services administration who is responsible for making decisions about service programs or for conducting evaluations.

Other Information: Community Engagement

HSA 370, Supervision in Human Services, 4 credits

This course focuses on supervision principles, concepts and theories, including how to be a facilitating supervisor and assist others in their professional growth. Emphasis is on understanding how supervisors can teach counseling theories and techniques to those they supervise, as an integral part of the supervisory process.

HSA 362, Human Services Administration, 4 credits

This course, designed for those planning careers in human services administration, provides insight into some of the common problems and concerns of management in a human services agency. Students use actual case studies to focus on examples of organizational planning, community relations, the decision-making process and personnel management. Overlap: HSA 360 Health Care Management and Supervision I and HSA 362T Human Service Administration Theory Seminar.

Other Information: Community Engagement. Overlap: HSA 360 Health Care Management and Supervision I and HSA 362T Human Service Administration Theory Seminar.

HSA 366, Technology Application in Human Services, 4 credits

This course examines the role of technology within the context of nonprofit human service organizations. Topics include the use of technology tools in meeting mission driven objectives as they relate to service to consumers as well as program and administrative management. Students will identify major and emerging issues and trends; explore best practices when identifying applications; develop technology communication skills; and examine the

human impact of technology tool use on administration, direct service providers and consumers.

Other Information: Community Engagement

Human Services/Alcohol and Drug Counseling

HSCD 301, Chemical Dependency and the Family, 4 credits

This course is designed to teach students to understand the family dynamics of the person who is chemically dependent and to learn skills which will help them to work with these families at a beginning level. Course topics include family relationships and chemical dependency, and treatment theories and counseling techniques for individuals and their family members.

Other Information: Note: This course is useful for students interested in family studies.

HSCD 100, Use and Abuse of Drugs: An Introduction, 3 credits

This course covers fundamental physiological, psychological, and sociological aspects of use and abuse of psychoactive drugs. Drug categories covered are: narcotics, stimulants, depressants, hallucinogens, alcohol, marijuana and inhalants.

HSCD 304, Chemical Dependency and Native Americans, 3 credits

This course provides a basic understanding of the unique cultural, historic and legal status of the American Indian. Topics covered include; population demographics; the shifting public policies toward American Indians; the historic rise of chemical dependency among American Indians bio-psycho-social and economic needs and resources of the American Indian. This course focuses on culture, history and related chemical dependency issues from the American Indian perspective.

HSCD 450, Senior Seminar: Alcohol and Drug Counseling, 4 credits

This course is the culminating experience for seniors, who are majoring in alcohol and drug counseling. In this course students reflect on their academic course of study and demonstrate the relationship between what they have learned and how they apply this to the professional practice of alcohol and drug counseling. In addition, students analyze and explore agency management systems which complement their practice of alcohol and drug counseling. This course is a combination of Senior Seminar in Alcohol and Drug Counseling and the Human Services Capstone. Prerequisite: Completion of at least 28 credits in the alcohol and drug counseling major, must have been completed or is currently or enrolled in an internship.

Prerequisite: HSCD 400 Best Practices in Drug and Alcohol Counseling

Other Information: Prerequisite: Completion of at least 32 credits in the Alcohol and Drug Counseling Major must have been completed or is currently or enrolled in an internship. Note: This course is open only to students who are in their last semester. Students must also be registered for the GRAD workshop, WKSP GRAD 81.

HSCD 400, Best Practices in Drug and Alcohol Counseling, 4 credits

This course's goal is to improve outcomes in the practice of alcohol and drug counseling by linking scientific research to treatment practice. As such, the course explores current best practices in alcohol and drug counseling,

such as transtheoretical stages of change, motivational enhancement techniques, and so on. The student also selects, researches, and completes a study project, which explores an evidence-based approach to alcohol and drug counseling, in depth. Counseling skills are practiced in this course.

Other Information: Prerequisite: At least 24 credits of Alcohol and Drug Counseling Courses.

HSCD 380, Alcohol and Drug Counseling Group Practicum I, 4 credits

This course is intended to provide students with the opportunity to demonstrate the knowledge and skills acquired during their academic coursework and transfer it into clinical settings. This internship requires students to demonstrate competence in the Transdisciplinary Foundations of 8 Practice Dimensions (12 core functions) of alcohol and drug counseling, including culturally competent and professionally ethical practice.

Other Information: Prerequisites: Successful completion of at least 32 credits of alcohol and drug counseling courses. Community Engagement

HSCD 390, Alcohol and Drug Counseling Group Practicum II, 4 credits

The alcohol and drug counseling group internship is intended to provide students with the opportunity to demonstrate the knowledge and skills acquired during their academic coursework and transfer it into clinical settings. This Internship requires students to demonstrate competence in the Transdisciplinary Foundations and 8 Practice Dimensions (12 core functions) of alcohol and drug counseling, including culturally competent and professionally ethical practice. In the classroom portion of this course, students will review and critically analyze counseling style, diversity, ethics and the agency in which they are conducting their internship. In addition, they will continue to practice and enhance clinical skills and techniques.

Prerequisite: HSCD 380 Alcohol and Drug Counseling Group Practicum I Must have successful completed.

Other Information: Community Engagement. Co-Requisites: Students must have an alcohol and drug counseling internship which has been approved by the faculty, while taking this course.

HSCD 320, Alcohol and Drug Counseling Pre-Practicum Seminar, 1 credits

This course is designed to help students evaluate their readiness, prepare for and then select a practicum site for Alcohol and Drug Counseling. Examples of course topics include: examination of personal readiness, practicum or career goals, review an array of possible practicum sites and making an appropriate selection for practicum.

Other Information: Prerequisite: Successful completion of at least 24 credits of alcohol and drug counseling courses. Community Engagement

HSCD 308, Adolescent Chemical Dependency, 4 credits

This course explores the bio-psycho-social developmental issues and tasks of adolescence, substance use trends, risk and protective factors and recognition of the signs of potential substance abuse problems. Methods of screening, assessing and treating adolescents and how to involve the family and other collaterals in the treatment process are addressed. Interventions and approaches that are identified as "best practices" are emphasized. Legal and ethical issues of screening, assessing and treating teens are addressed.

Other Information: Prerequisites: Basic coursework in chemical dependency, adolescent psychology or equivalent with instructor's consent.

HSCD 353, Case Management for Alcohol and Drug Counseling, 4 credits

This course provides students with a beginning understanding of the essential components of successful case management for alcohol and drug counseling. That is, the activities which a counselor engages in to bring services, agencies, resources, and people together within a planned and coordinated framework of action toward

achievement of established clinical goals. Specifically the course will focus on, the theory of case management for alcohol and drug counseling, related state and federal laws, the Twelve Core Functions, the Rules of Professional Conduct, and the practice of clinical writing.

Prerequisite: HSCD 200 Pharmacology of Addictive Drugs, HSCD 300 Introduction to Substance Use Disorders, HSCD 302 Assessment of Substance Use Disorders, HSER 346 Counseling and Interviewing Skills

Human Services/Corrections

HSCO 321, Juvenile Delinquency: Prevention and Intervention, 4 credits

This course explores the causes of juvenile delinquency and the social and psychological factors involved in the predictive studies and theories concerning the development of delinquency and the intervention processes. Topics also include formation of youth gangs, methods of coping with gang activity, the types of crimes committed by children and youths, narcotics problems, neglected and dependent children, the youthful offender and wayward minor, the operation of the juvenile court, and crime prevention and intervention programs.

HSCO 332, Rehabilitation of the Public Offender, 4 credits

This class reviews major issues related to the rehabilitation of public offenders and introduces the evidence in support of the major correlates of a criminal history and the major risk/need factors predictive of criminal futures. Topics include understanding, exploring antisocial cognition and antisocial associates; consideration of the social contexts of school/work, family/marital, and leisure/recreation; substance abuse and criminal behavior; use of community resources. The class includes field visits.

Prerequisite: CJS 101 Introduction to Criminal Justice

HSCO 326, Community Corrections, 4 credits

This course covers the concepts and practices of community corrections. The specific content includes halfway house program activities, restitution projects and program coordination, work release activities, court diversion processes and programs, truancy tracking programs, and community outreach initiatives.

HSCO 336, Selected Topics in Corrections, 4 credits

This independent study gives students an opportunity to select and study a specific criminal justice area such as juvenile or adult court services or institutional or community corrections. Students work with the instructor to identify the topics and assignments specific to their interest.

HSCO 327, Women Offenders in Correctional Facilities, 4 credits

This course gives an overview of women offenders in correctional systems. It includes a profile of the woman offender, the crimes women commit and unique problems they encounter in correctional systems. Discussion includes trends, issues and strategies for working with women offenders in correctional settings.

Human Services and Disability Studies

HSDS 305, Disability Rights: History and Current Trends, 4 credits

Disability Rights: History and Current Trends traces the history, policies, and individual and group empowerment efforts that led to the formation of the disability rights movement. Key legislation including the Americans with Disabilities Act (ADA), Rehabilitation Act, and education acts are examined. Future trends in disability policies and civil rights are also explored. The challenges and struggles that persons with disabilities have fought to change in order to gain independence, respect, and opportunities are studied through American perspectives of disability history.

HSDS 304, Introduction to Disabilities, 4 credits

Introduction to disabilities prepares students who desire to learn about and potentially work in the field of disabilities. Using a diversity model and social perspective approach, students learn about issues common to persons with diverse disabilities. Perspectives of disabilities that recognize disability as a culture and acknowledge the potential and capabilities of persons with disabilities are offered. Course materials include definitions, psychosocial considerations and societal perspectives.

HSDS 400, Current Issues and Special Topics in Disability Studies, 4 credits

Current Issues and Special Topics in Disability Studies investigate the disability studies and rights perspectives of disability topics and research in depth. This is an intensive writing course in which students use critical thinking to research their own areas of interest in addition to other course materials. It is recommended that students have prior experience with disability topics and issues in addition to the desire to apply critical thinking in their research.

Human Services

HSER 395, Human Services and Diversity, 4 credits

This course emphasizes understanding of the diversity experience, including exploring discrimination toward persons with disabilities, racism (including institutional racism), sexism, and ageism as they affect life changes, lifestyles and psychosocial development. It examines assumptions, myths, beliefs and biases that block effective relationships between professionals and consumers. Human services principles, values and practice skills that promote successful working relationships are identified. Self-assessment is encouraged and opportunities for application of learning are provided.

HSER 344, Counseling Theories and Techniques, 4 credits

This course introduces counseling theories and techniques, including existential, client-centered, Gestalt, psychoanalytic, Adlerian, behavioral, transactional analysis, rational-emotive reality, and eclectic counseling/therapy. Learning strategies include interviews with counselors and role-playing exercises. Evaluation is based in part on an interview with an active counselor, take-home test and final paper.

Prerequisite: PSYC 100 General Psychology or instructor's consent.

HSER 346, Counseling and Interviewing Skills, 4 credits

This course introduces students to basic counseling skills. As such, it is designed to help students develop essential helping skills needed for client engagement, follow-through, completion and overall therapeutic effectiveness. Specific skills and techniques covered include; developing rapport, building empathy and listening, encouraging trust, self-disclosure, immediacy, questioning & evoking, addressing discrepancies, etc. This course is highly experiential in its format. Students will participate in classroom exercises, real plays, and video-taping of counseling skills.

HSER 348, Group Counseling, 4 credits

This course teaches the dynamics of group counseling. Students learn the skills of group counseling in a classroom and Training group experience. Topics include: stages of group, group rules and goals, group leader skills, and types of groups. Students learn writing and charting skills necessary to document client progress. Emphasis is on interaction among group members, the counselor's role in group facilitating, and techniques to help group members learn to view their own behavior for self-awareness and self-disclosure.

Prerequisite: HSER 346 Counseling and Interviewing Skills

HSER 352, Family Counseling, 4 credits

This course explores the dynamics and processes of family interactions and counseling from the viewpoint of a family counselor. Some of the major theories of family counseling are discussed, with particular emphasis on the theories of Virginia Satir. Evaluation is based in part on a final conference with the instructor. This course is designed for students seeking self-understanding, as well as for students pursuing careers in the human services.

HSER 353, Social Casework Methods, 4 credits

This course familiarizes students with social casework practices. It focuses on the process of engagement (intake) assessment and contracting with diverse systems in an urban environment. Emphasis is on the beginning skills in interviewing, assessment and treatment planning, including advocacy and referral.

HSER 455, Human Services Capstone Seminar, 4 credits

This course comes at the end of the student's senior course work in human services. Students complete a human services portfolio assignment demonstrating what they have learned in human services over the period of time while studying in this program. This assignment helps students to reflect on their academic course of study (both theoretical and practical) and how it applies to the professional practice of human services. The written portfolio provides evidence of competence and is a way for students to demonstrate readiness for graduation and work as Human Services professionals. In order to complete the portfolio assignment students must complete at least ten (10) hours of community service in a Human Services Agency with a Human Services professional. The course culminates with students giving presentations on the agency studied and written about in their portfolio.

Other Information: Community Engagement. *Prerequisite:* Completion of all Human Service core and Human Service major requirements. Note: This course is open only to students who are in their last semester. Students must also be registered for the GRAD workshop, WKSP GRAD 81.

HSER 357, Behavior Modification, 4 credits

This independent study covers procedures used in behavior modification and the underlying concepts on which it is based. Students read and complete exercises in a text. In addition, they complete a project demonstrating the

application of behavior modification procedures. Evaluation is based on answers to study questions, three tests, and evaluation of a written report of a real or simulated behavior modification project.

HSER 358, Cross-Cultural Counseling, 4 credits

This independent study covers the various concepts involved in counseling racial/ethnic minority persons. The major areas included are differences in culture-bound values, language differences, stereotyping and client resistance. In addition, students have an opportunity to assess the presence, absence, or levels of biases they have toward racial/ethnic minority persons.

HSER 355, Introduction to Human Services: History and Trends, 4 credits

This course covers the historical and progressive development of the human services field, as well as the present trends and professional issues, including theoretical approaches to human services work, practical skills, human services delivery systems, human services work in a pluralistic society, and using research in human services work.
Prerequisite: PSYC 100 General Psychology, SOC 101 Introduction to Sociology
Other Information: Community Engagement. Prerequisite and/or Corequisite: General Psychology (or two Psychology courses) and Introduction to Sociology (or two Sociology courses).

HSER 320, Human Services Pre-Practicum Group Seminar, 1 credits

This course is designed to help students evaluate their readiness, prepare for and then select an internship site for Human Services. Examples of course topics include: examination of personal readiness, internship or career goals, review an array of possible internships and making an appropriate selection for practicum.
Other Information: Prerequisite: This course is required to be taken the semester prior to when the student would begin the internship experience.

HSER 331, Human Services Group Practicum and Seminar, 4 credits

This seminar is designed to provide an opportunity for student interns and faculty to meet and discuss progress being made during internship, provide support and address problems and concerns. The seminar includes: lecture, discussion, and group work topics pertinent to the students' internship.
Prerequisite: HSER 320 Human Services Pre-Practicum Group Seminar
Other Information: Prerequisite: Completion of the Pre-practicum Seminar (HSER 320), the semester prior to taking this course.

HSER 368, Understanding and Using Research for the Practitioner, 4 credits

It is important for human service practitioners to understand the relationship between practice and research. According to social psychologist, Kurt Lewin, the best practice is founded in research and the best research is grounded in practice. Acknowledging this insight, this course will engage students in an examination of research as it is employed in the human service field. The primary focus of this course is to teach students how to be critical consumers of research, able to read, evaluate, and apply research for human service practice purposes. A second purpose is to develop student's skills for their future role as collaborators with researchers in generating knowledge from the field. This course can serve as a companion course for the program evaluation offering or a foundations course for students interested in pursuing graduate study or a preview course for those intending to take social or behavioral science research methods courses.

HSER 415, Spirituality and Helping, 4 credits

For the past 30 years helping professionals have deliberated about the role and integration of spirituality or religion in their practice. It is accepted that as client's race, ethnicity, and culture affect their thoughts, feelings, and behavior, so similarly do clients spiritual or religious orientations affect how they function in world and thus perceive and deal with their problems. This course is designed to introduce students to the issues related to spirituality and helping as well as to provide a framework for developing an ethical spiritually-sensitive practice that is cognizant of the significance of these orientations. Students will explore relevant knowledge, skill, and value competencies for success in this frontier of the helping field.

HSER 325, Working with/in Community, 4 credits

This course will explore working in community as a form of civic engagement and an arena of human service work. This is typically referred to as community practice. Community practice, whether by the volunteer or the professional, entails helping a community at-large solve its problems and achieve its goals. Insightful, grounded community practice enables helpers to impact the total milieu of people's lives, improving the broader spectrum of people's lives in ways that direct client-centered helping cannot. Through the theoretical component of the course students will examine different ideologies of helping and how those become expressed in various forms of community helping including: service, organizing and development, social change and empowerment, and advocacy. Through the experiential component of the course students will become familiar with the varied tools of this distinctive type of helping within a specific Twin Cities social movement. This course is presently designed principally to expose College of Health, Community and Professional Studies students to the local food movement and related movement community-based enterprises. Other students may take this class with permission of the instructor.

Human Services/Family Studies

HSFS 338, Family: Racial, Gender and Class Dimensions, 4 credits

This course familiarizes students with the diversity that exists in families. It is intended for students who want to gain a better understanding of the family, and for students specializing in psychology or human services related fields. Structural inequalities in society based on wealth, race/ethnicity and gender are presented as key determinants in the diversity of family forms and in differing experiences within families.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Other Information: Community Engagement

HSFS 339, Issues and Actions in Family Policy, 4 credits

This course considers the impact of public choices on life within families. It is generally offered during the state legislative session in order to give students opportunity to participate in the legislative process. The policy issues covered vary from year to year. Topics may cover competing rights of children and parents, culturally-specific/friendly family policy, international family policy comparisons, and other family policy issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

HSFS 341, Work and Family, 4 credits

Until recently, the worlds of family and work were seen as separate spheres. Today, people are aware of the many possible relationships between work and family in society. This course examines the challenges, issues and

problems associated with a variety of contemporary work-family patterns including single-provider, dual-provider and single-parent families, and families who own their own businesses.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Other Information: Community Engagement

HSFS 342, Children in U.S. Society, 4 credits

This interdisciplinary course explores historical and contemporary aspects of children's status and roles in family and society, adults' relationships and functions in relation to children, and public policy affecting children in twentieth-century United States. Community and experience-based learning, including a student-designed project, augment class lectures and discussion.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Other Information: Community Engagement

HSFS 399, Selected Topics in Family Assistance, 2 credits

The topics covered in the different sections of this course vary from semester to semester. The focus of each section is on the concerns as well as the supports needed by selected types of family arrangements. The purpose of the course is to familiarize students with the specific, respective issues of different family configurations as well as to allow students to critique appropriate strategies for helping and empowering them. Possible topics include: working with foster families, working with GLBT families, working with grand-parent-headed families, working with teen families, working with homeless families, working with families of offenders working with bi-racial families and so on. Students should consult the Class Schedule for family types featured each semester. Note: This course may be taken four times for credit as long as the topic is different.

Other Information: Note: This course may be taken four times for credit as long as the topic is different.

HSFS 143, The Family: A Social/Psychological Exploration, 4 credits

This course introduces students to the major social and psychological theories employed in studying family processes and in studying how families function in society today. In addition, the course engages students in an examination of their own families. Key features of this course are that students do a modified social history and case study of their own families. Students demonstrate competence by applying the content of the course in their analysis of their own family's social/psychological analysis.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

Human Services Gerontology

HSG 378, Thanatology: The Study of Death and Dying, 4 credits

This course helps students become aware of their own attitudes and values about dying and death, and how these affect others. It investigates myths concerning dying and death, the effect of personal and cultural attitudes on a person's ability to communicate with the dying and their families, death industries, historical perspectives, and euthanasia. The course includes field trips.

HSG 374, Aging in America: A Personal Challenge, 4 credits

This course, designed for students in human services fields who work with the aged, and students considering gerontology as a vocation, is an overview of the field. Topics include understanding the physiological, psychological and sociological aspects of aging, as well as myths about aging, health and social needs of the aging, and community resources and programs.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

HSG 377, Physical Health and Aging, 4 credits

This course is designed for professionals in the field of aging, and covers the normal physical processes of aging. Topics include health concerns, health promotion issues, and the biology and physiology of aging, as well as resources and services concerned with the physical needs of the elderly.

HSG 383, Selected Topics in Gerontology, 4 credits

This independent study is for students who intend to work as professionals in the gerontology field and wish to study a specific topic in-depth. Assignments and prerequisites depend on the selected topic.

Human Services/Training and Audit Development

HSTD 386, Creative Problem-solving Concepts and Methods, 4 credits

This course acquaints students with the principles and techniques of creativity, which is the ability to transcend traditional ideas, rules, patterns, relationships or the like, and to create meaningful new ideas, forms, methods and interpretations. Various theories, processes and principles are used to solve problems in professional and personal situations. The various methods help students develop imaginative and positive responses to challenges and opportunities in business, education and human services, and serves as an aid to personal development and social awareness. Theory analysis and direct experiential application of problem-solving techniques are integral components of this course.

HSTD 390, Conflict Resolution, 4 credits

This course examines causes and underlying factors of interpersonal conflict in human interactions. The course covers principles and techniques to diagnose conflict, develops an understanding of issues causing conflict, differentiates between various types of conflict, explores the variety of forces and factors which push conflict in a productive or dysfunctional direction, and develops personal skills to influence outcomes to the inevitable conflict situations one encounters in one's personal and professional lives.

HSTD 393, Training Design and Instruction, 4 credits

This course is for students who want to learn how to design training and teach adults in an organizational setting. Students develop an understanding of the role and impact of training in helping organizations reach objectives. Topics include adult learning theory, needs assessment, instructional design, media selection and how to present training content to different audiences.

HSTD 498, Human Services Organization Consulting Approaches and Techniques, 4 credits

This course enables students to apply the five phases of human services organization consulting, including organization problem identification, contracting, data collection, delivery and feedback evaluation. Students are involved in case study analysis, and the custom designing of an in-class human services client consulting project. *Prerequisite:* HSTD 393 Training Design and Instruction or equivalent. HSTD 394 Staff Training and Adult Development

HSTD 389, Organizational Development and Change, 4 credits

This course provides an overview of organization development principles necessary for any type of organization to effectively cope and react to inevitable change that will impact organizational effectiveness and survival. Addresses the theory and practice of organizational development including: initial diagnosis, entry, contracting, data collection, data analysis, action planning, approaches to implementing planned change, and evaluation of planned change effectiveness. Today, every manager, at any level, must be capable of dealing with certain change in a proactive manner.

HSTD 394, Staff Training and Adult Development, 4 credits

Students in this course focus on staff development and training techniques, and examine their roles and functions within nonprofit and public/governmental organizations. Attention is given to the identification of training needs, strategies for meeting those needs, information on adult learning, the use of evaluations, and the overall purpose of staff development and training within an organization. Students develop a hypothetical staff development program as a major project. Recommended: Some preparation in psychology.

Prerequisite: HSTD 393 Training Design and Instruction

Other Information: Recommended: Some preparation in psychology.

HSTD 395, Disability and Career Development, 4 credits

This course takes a disability studies approach to career development as a way of managing the massive unemployment and underemployment problems among PWDs (people with disabilities). That approach focuses on the PWD viewpoint in disability theory and career development. Managers and helping professionals receive current legal findings and employers' perspectives on hiring. Other topics include different models of disability, technological and computerized assistance, and issues of mild, moderate, and invisible disabilities.

Human Services Violence Prevention

HSVP 302, Advocacy in Violence Prevention, 4 credits

This course is designed to build skills in the practice of advocacy for those who work with issues of violence and who work across systems such as the police, courts, child welfare, and families. The course will cover individual, community, and systems advocacy, and the relation of advocacy to social reform issues and systems change.

Other Information: Prerequisite: One course in the social sciences is required.

HSVP 301, Violence: Individual, Community and Global Responses, 4 credits

This course addresses how violence is responded to at various levels. It examines the role and development of personal skills and involvement in addressing violence, community intervention resources, systems responses such as punishment and rehabilitation in violence prevention, social change movement responses to violence, and international violence and the growth of human rights movements.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Other Information: Community Engagement

HSVP 309, Violence and Disability, 4 credits

This course explores the connections between violence and disability. It investigates how models of disability affect the understanding of violence and abuse of people with disabilities as well as the response to such violence. The focus is on the lived experiences of people with disabilities who have experienced violence and abuse, and how systems and policies have aided or hindered successful interventions. The course also explores how being a victim of violence can affect a person's disability status and the implications of such a connection for policymakers, human services workers, and people with disabilities themselves. The course employs the socio-ecological model of violence prevention and challenges students to apply this model to case studies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Human Diversity Goal (07)

Humanities

HUM 102, The World of Ideas: Modern, 3 credits

This course introduces students to important ideas, individuals, and works in the principal disciplines of the humanities from the Renaissance of 1400 C.E. to the present. Illustrated lecture/discussions survey painting, sculpture, music, architecture, literature, philosophy, and science, including examples from non-Western cultures. Students will gain a basic understanding of how great works in each discipline represent and comment on human experience, how they are linked to their historical eras, how they respond to the past, and how they speak to the future.

MnTC (GELS): Humanities/Fine Arts Goal (06)

HUM 311, The Classical World: Greece, 4 credits

In this course, students read and enjoy classic works of literature, history and philosophy from the eighth to first centuries before the Common Era, by such writers as Homer, Sappho, Herodotus, Sophocles, Aristophanes and Plato. The course explores characteristics of ancient Greece and its continuing influence on intellectual history.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

HUM 321, Myth, 4 credits

Myths and myth cycles have had a deep and pervasive influence on literature and culture, and thus on everyday life. This course examines the nature of myth and the modes of belief that have sustained it within various traditions, the myths themselves, their expression in literature from ancient to modern times, and theories of interpretation. The selection varies among Greek, Roman, Mesopotamian, Celtic and Germanic myth traditions,

along with comparative material from other world traditions.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

HUM 327, Convivencia: Jewish, Christian, and Islamic Arts in Medieval Spain, credits

This course explores the time period in medieval Spain when the three Abrahamic faiths (Judaism, Christianity, and Islam) coexisted somewhat peacefully and created together a rich, vibrant culture from 700-1492.

"Convivencia" means "living together." We will examine the poetry, architecture, art, music, governance, and religious practices during this period: how a culture flourished, and how it fell apart. We'll also study how persecutions (including those against pagans), and the diasporas of Jews and Muslims out of Spain influenced these texts, structures, and practices.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), and Global Perspective Goal (o8)

Prerequisite: WRIT 131 Writing I or the equivalent and having completed at least 30 credits of college coursework.

International Business

IBUS 312, International Political Economy, 4 credits

This course provides an overview of the geopolitical and historical frameworks that directly or indirectly affect day-to-day operations and management decision making of companies doing business in an increasingly global context. Topics include: perspectives on IPE theories; international trade, finance and monetary systems; global security issues; state-market tensions; the role of multinational corporations; the IPE of economics development and of resource accessibility; and selected global problems.

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics, MATH 115 College Algebra and intermediate writing skills

Other Information: Community Engagement

IBUS 311, International Business Environment and Operations, 4 credits

This course addresses the major features of the global business environment (economic, cultural, legal and political) and the international business theory and practice needed to operate and compete successfully in the global economy. Case studies focus on key decision areas in international management, marketing, purchasing, finance and production.

MnTC (GELS): Global Perspective Goal (o8)

Prerequisite: ECON 201 Macroeconomics, ECON 202 Microeconomics, MATH 115 College Algebra and intermediate writing skills.

IBUS 490, Doing Business Internationally, 4 credits

This course will bring together the full range of factors influencing companies doing business across borders that were covered in the required IBUS 311, IBUS 312 and IBUS 350 courses - globalization, political economies, culture, ethics, legal systems, trade, investment, currency issues, market entry, production, logistics and marketing - and apply them to management decision-making in national and regional operating environments around the world. The syllabus may be modified at short notice to accommodate current world events impacting

the international business environment.

Prerequisite: IBUS 311 International Business Environment and Operations, IBUS 312 International Political Economy, IBUS 350 Legal Aspects of International Business

Information and Computer Sciences

ICS 120, Microcomputer Applications, 2 credits

This lab course covers how and when to use the four common components of an integrated software package: word processing, spreadsheets, database and presentation software. It requires no previous knowledge of computing. Students who want an overview of computer hardware and software concepts should consider taking ICS 100 Computer Literacy in addition to this course. This course cannot be applied to the computer information systems or computer science majors.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 370, Software Design Models, 4 credits

The course focuses on how to design and build process, object and event models that are translatable into project specifications and design. Topics include an overview of systems analysis and design; a framework for systems architecture; design and development using data modeling; object modeling, entities, relationships, attributes, scope rules and influences; and event models, messaging and application activation.

Prerequisite: ICS 141 Programming with Objects, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 381, Societal Issues in Computing, 3 credits

This course is a writing intensive, research-oriented, in-depth study of the uses of and issues related to computers and information systems in society. Topics include the benefits and social impact of computer technology with respect to social, political and legal issues. Controversies and alternative points of view are evaluated on issues such as privacy vs. access to information; freedom of speech vs. control of content on the Internet; reliability and safety; the changing nature of work; and market-based vs. regulatory solutions. Students research and write extensively on course topics.

Other Information: Community Engagement, Prerequisite: Fulfill university general education writing requirements. Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 462, Operating Systems, 4 credits

Principles, techniques, and algorithms for the design and implementation of modern operating systems. Topics include operating system structures, process and thread scheduling, memory management including virtual memory, file system implementation, input output systems, mass storage structures, protection, and security. Students will implement process, memory, and file management algorithms.

Prerequisite: MATH 215 Discrete Mathematics and knowledge of C or C++ language.

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 325, Internet Application Development, 4 credits

This course focuses on how to design and establish information services over the Internet from the server side. Topics include advanced concepts and issues on Internet architecture, server-side design strategies, current technologies and Internet security. Through labs and programming projects, students learn how to use current scripting and markup languages to build nontrivial state-of-the-art applications.

Prerequisite: ICS 225 Web Design and Implementation

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 225, Web Design and Implementation, 4 credits

This course focuses on how to design and implement information services over the Internet from the client side. The course focuses on both usability and client-side scripting. Topics include the principles, strategies and policies of web page design, including the rules of good interface design, human factors, ethical concerns and information security. Through labs and programming projects, students also learn how to use current scripting and markup languages and how to employ state-of-the-art tools to embed interactive pages into Web-based applications.

Prerequisite: ICS 141 Programming with Objects or equivalent Java experience, rudimentary knowledge of web searching and some previous exposure to writing web pages using HTML or XHTML.

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 311, Database Management Systems, 4 credits

Covers concepts and methods in the definition, creation and management of databases. Emphasis is placed on usage of appropriate methods and tools to design and implement databases to meet identified business needs. Topics include conceptual, logical and physical database design theories and techniques, such as use of Entity Relationship diagrams, query tools and SQL; responsibilities of data and database administrators; database integrity, security and privacy; and current and emerging trends. Use of database management systems such as MySQL. Coverage of HCI (Human Computer Interaction) topics. Development of GUI front ends to databases with application of HCI principles to provide a high level usability experience. Overlap: ICS 311T Database Management Systems.

Prerequisite: ICS 141 Programming with Objects or equivalent knowledge of Java, MATH 215 Discrete Mathematics

Other Information: Overlap: ICS 311T Database Management Systems. Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 382, Computer Security, 4 credits

This course introduces computer security aspects of computer systems. The course presents a current technical look at computer system strengths and vulnerabilities, and techniques to effectively protect these assets. Topics include security threats, security management, operating systems, and network firewall and security measures.

Prerequisite: ICS 141 Programming with Objects, MATH 215 Discrete Mathematics, and CFS 280 Introduction to Computer Forensics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 125, Understanding and Using the Internet, 4 credits

This course covers the following topics: how the Internet works (at a beginning level), social implications of the Internet, and the practical aspects of electronic mail, list services, discussion boards, file transfer, information browsing and searching, and the first generation of web design and implementation. This is a lab-based course.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisites: Exposure to PC applications and the world-wide web. Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 490, Special Topics in Information and Computer Sciences, credits

This course is an in-depth study of some aspect of computer science or computer information systems that is not part of a regular course. Special topics courses of current interest are offered on an occasional basis. Students may repeat ICS 490 under different topics for additional credit. Some topics may have prerequisites. See the Class Schedule for additional information.

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 100, Introduction to Computer Technology Concepts, 2 credits

This course is designed for students who have limited knowledge of computer technology and applications. An overview of computer hardware, software, networking and applications throughout society forms the core of the course. Students gain an understanding of the internal workings of a computer sufficient for personal computer use or purchase. Students also consider current issues and trends in technology. Students who want hands-on experience with software should consider taking ICS 120 Microcomputer Applications in addition to this course. This is not a lab course. This course cannot be applied to the computer information technology or computer science majors.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 372, Object-Oriented Design and Implementation, 4 credits

System development using the object-oriented paradigm. Programming topics include: inheritance, polymorphism, dynamic linking, generics, Graphical User Interfaces, and data serialization. Use-case and state-based approaches for the discovery of conceptual classes. Design principles including the Liskov Substitution Principle, Open Closed Principle, and Stable Dependencies Principle. Design patterns such as Factory, Iterator, Adapter, Facade, Bridge, Observer, Command, State, Composite, Singleton, and Mediator. Employment of design principles, design patterns, and the Model View Controller in the design of object-oriented systems. System implementation. Refactoring. Group projects.

Prerequisite: ICS 240 Introduction to Data Structures, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 240, Introduction to Data Structures, 4 credits

Students learn intermediate object-oriented design, programming, debugging, testing skills, and algorithms in this course via the study of list, stack, queue and tree abstract data types. Other topics include recursion, hashing, sorting, complexity analysis, and documentation. Design, testing, and complexity analysis are emphasized.

Programming intensive.

Prerequisite: ICS 141 Programming with Objects or equivalent knowledge of Java, MATH 215 Discrete Mathematics

Other Information: Note: This course uses the Java language. Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 340, Algorithms and Data Structures, 4 credits

Exploration of the design and implementation of data structures and algorithms fundamental to computer systems and applications and to software engineering. Topics include trees, graphs, basic analysis of algorithmic complexity, fundamental questions of computability, and introduction to the algorithmic basis of intelligent systems. Programming projects.

Prerequisite: ICS 240 Introduction to Data Structures, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 365, Organization of Programming Languages, 4 credits

A comparative study of programming paradigms including structured programming, object-oriented programming, functional programming and logic programming; exploration of programming constructs in terms of data types, control structures, subprograms and parameter passing, nesting and scope, derived data types, input and output, and dynamically varying structures. Also covered are the principles of lexical analysis, parsing, and the implementation of arrays, switch statements, and subprograms. Programming projects.

Prerequisite: ICS 240 Introduction to Data Structures, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 460, Networks and Security, 4 credits

Principles and practices of the OSI and TCP/IP models of computer networks, with special emphasis on the security of these networks. Coverage of general issues of computer and data security. Introduction to the various layers of network protocols, including physical, data link, network, and transport layers, flow control, error checking, and congestion control. Computer system strengths and vulnerabilities, and protection techniques: Topics include applied cryptography, security threats, security management, operating systems, and network firewall and security measures. Focus on secure programming techniques. Programming projects.

Prerequisite: ICS 240 Introduction to Data Structures, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 140, Programming Fundamentals, 3 credits

Problem solving in domains such as biology, physics, and finance using programming constructs including sequencing, looping, selection, methods, arrays, and text I/O. Program design using flowcharts and pseudocode. Emphasis on testing and debugging. Use of a general purpose programming language such as Python.

Prerequisite: MATH 115 College Algebra

Other Information: Prerequisite: Strong skills using a computer, including the ability to use word processors and manipulate files and directories. Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 141, Programming with Objects, 3 credits

Structure, design, and implementation of object-oriented computer programs. Topics include objects, classes, GUI, and layout managers. Introduction to containment, inheritance, and polymorphism. Programming projects involving multiple classes. Emphasis on methods, parameter passing, and arrays of objects. Exploration of problem-solving and algorithm-design techniques using pseudocode, Unified Modeling Language (UML) class diagrams, and simple patterns. Design of good test cases and debugging techniques.

Prerequisite: ICS 140 Programming Fundamentals or equivalent knowledge of Java, MATH 215 Discrete Mathematics (may be taken concurrently).

Other Information: Note: This class uses the Java language. Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 232, Computer Organization and Architecture, 4 credits

Introduces machine language, digital logic and circuit design, data representation, conventional von Neumann architecture, instruction sets and formats, addressing, the fetch/execute cycle, memory architectures, I/O architectures, as well as hardware components, such as gates and integrated chips.

Prerequisite: ICS 141 Programming with Objects, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 440, Parallel and Distributed Algorithms, 4 credits

Covers design and development of parallel and distributed algorithms and their implementation. Topics include multiprocessor and multicore architectures, parallel algorithm design patterns and performance issues, threads, shared objects and shared memory, forms of synchronization, concurrency on data structures, parallel sorting, distributed system models, fundamental distributed problems and algorithms such as mutual exclusion, consensus, and elections, and distributed programming paradigms. Programming intensive.

Prerequisite: ICS 340 Algorithms and Data Structures, MATH 215 Discrete Mathematics

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.

ICS 499, Software Engineering and Capstone Project, 4 credits

This course focuses on the theory and practice of effectively and efficiently building software systems that satisfy the requirements placed upon them by customers. This course gives an overview of the software lifecycle and introduces various process models used to develop software.

Prerequisite: ICS 370 Software Design Models, ICS 372 Object-Oriented Design and Implementation and completion of at least 24 hours of upper-division work in the major.

Interdisciplinary Studies

IDST 321, Human Rights and the Educated Citizen, 4 credits

This course introduces student to the concepts of the Universal Declaration of Human Rights (UDHR) and human rights, Western and non-Western conceptions of human rights, and the complex nature of human rights issues influenced by individual, cultural, and social values. Students will also gain a framework for analytical skills essential to human rights work and the complexity and interdependency of human family which will promote an understanding of the individual, local, and global forces that create abuses and potential solutions at the local, national, and international level. Through community involvement, students will be able to connect human rights theories and cases around the globe to our local community and vice versa and will develop an action plan for a local organization of their choice or in their personal environment. The course will also provide students a great opportunity to take concrete action on human rights issues and get involved in "change" or initiating change in the local community.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Ethical/Civic Resp Goal (09)

Other Information: Community Engagement

IDST 385, Turning Points: Self-Transformation, 4 credits

Researchers define turning points as a "major transformation in views about the self, identity or the meaning of life." They occur as new things are learned, rendering us amenable to change, and produce perceived, long-lasting redirection in the path of a one's life. Psychologists associate turning points with transitions and stages of human development defined and explored by Erik Erikson. Ignoring uplifting turning points and with distressing turning points in mind, the philosopher Frederick Nietzsche wrote "that which does not kill us makes us stronger." Retirement or loss of retirement income, end of a love affair, reaching the "golden years" (maturity) or learning that one (or a family member) has a fatal disease are examples of turning points. Portrayals, in film and literature, of individuals coping with obstacles to happiness or overcoming adversity dramatize turning points. Rhetorical, films and literature are cultural artifacts that comfort, guide generations and teach us how to live! Lessons learned from contemporary films and classical literature are a primary focus of this course.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

IDST 310, Principles of Civic Engagement, 4 credits

The goal of this is to help prepare students for a lifetime of responsible citizenship and civic engagement. As a foundation course, it will have rigorous civic and community engagement components.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Ethical/Civic Resp Goal (09)

Other Information: Community Engagement

IDST 370, Cinema, Self and Other, 4 credits

This course offers an interdisciplinary approach to analyzing how identities (cultural, sexual, ethnic, etc.) are constructed in and through film. It provides students with the basic vocabulary and primary theoretical approaches to film analysis and asks them to consider how various points of view and social and political issues are presented and framed, and how our fears and fantasies about others are projected on the screen. Students will help select the films for viewing and discussion, keep a journal of responses to our readings and films, and present a film analysis on one of our themes.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Community Engagement

Intermedia Arts

IMDA 430, Collaboration, 4 credits

This course examines the nature of collaboration in the arts in various experimental intermedia settings and situations. Students form collaborative projects in which the dynamics of creative decision making are applied to experimental art making. Note: This course may be taken up to three times for credit.

IMDA 459, Creative Project Capstone, credits

This project allows students to work directly with faculty to create an original production relevant to their particular artistic focus. Prerequisites: Two courses in Media and Fine Arts or instructor's consent.

Other Information: Prerequisite: Two courses in Media and Fine Arts or instructor's consent.

IMDA 350I, Intermedia Arts Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

Information Studies

INFS 350I, Information Studies Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

INFS 115, Information Access, 2 credits

Research expertise is required in all academic programs and in an educated citizenry. In this class, students explore critical issues about information literacy and learn practical step-by-step techniques for discerning and analyzing information resources, including online databases and World Wide Web sites. The application of these skills to any subject area is demonstrated through a final project requiring the development of a search strategy and the gathering of quality resources on a topic of academic or personal interest. These skills support lifelong learning.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement

INFS 315, Searching for Information, 4 credits

A student completing this course understands the process of finding, synthesizing, evaluating, and documenting sufficient and reliable information appropriate to a variety of purposes including upper division coursework, senior capstone papers or professional writing and communication tasks. Students also explore a number of the contemporary issues surrounding information in society, have opportunities to use and/or visit primary resource collections and learn a variety of research techniques. Specific sections of the course will structure assignments around a course theme identified in the class schedule. Prior themes have included Civil Rights, Holocaust and Genocide, Crime and Punishment, Food, Immigration and Health Care. Both themed and non-themed sections are offered every semester as are online and in-class sections.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement

INFS 338, The Craft and Commerce of Book Publishing, 4 credits

This course considers books, like universities and libraries, part of "the knowledge industry," and emphasizes the gatekeepers who decide matters of a book's authorship, publishing, and readership. By tracking the evolution of the book pre-Gutenberg to the current e-book environment, we will explore the evolving publishing industry in society. In our exploration of the field of publishing, we will combine readings and discussion with field experiences. You will have the opportunity to meet with and ask questions of guest speakers who work in various aspects of the publishing industry.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Language Arts Education

LAED 445, Teaching Writing and Communications in Urban Grades 5-12, 4 credits

In this course, future teachers learn best practices for how to teach urban middle and high school students how to write and make oral presentations. Topics include: sentence and paragraph construction; genres of writing; how audience, purpose and situation guide writing and speeches; assessment and revision; engaging middle and high school writers; assisting English Language Learners; and technological tools for written and speech communications. Teacher candidates learn how to respond constructively to the writing and oral presentations of urban 5-12 learners.

Prerequisite: EDU 300 Assessment of Learning and Teaching in Urban Grades 5-12, EDU 306 Urban Middle School and High School Methods, EDU 400 Literacy Education in Urban Schools and at least 20 credits of English courses required for the English Teaching major.

Other Information: Note: Formerly offered as WRIT 421. Admission to Urban Teacher Program, or departmental approval required to register. Clinical field experience hours are part of the course requirements. Co-requisite: This course should be taken within one semester of student teaching and should be taken with EDU 450 Advanced Urban Teaching Practicum and Seminar unless EDU 450 has been taken with LAED 450 Teaching Language Arts in Urban Grades 5-12.

LAED 440, Methods of Teaching Language Arts in Urban Grades K-6, 3 credits

This course provides pre-service Early Childhood and Elementary teachers with the theoretical foundations and practical skills necessary to become reflective professionals who can design and implement effective language arts instruction for economically, academically, culturally, racially and linguistically diverse children. The course emphasizes the social constructivist perspective of reading and writing development which includes the importance of the total learning environment - school, home and community.

Prerequisite: EDU 483 Foundations of Teaching Reading in Urban Grades K-6

Other Information: Community Engagement. Note: Admission to Urban Teacher Program or Department approval required to register. Clinical field experience hours are part of the course requirements.

Law Enforcement

LAWE 220, Legal Issues in Law Enforcement, 3 credits

This course presents an historical overview of constitutional law and its direct application to law enforcement operations. Knowledge and practical application of types of criminal evidence, evidence collection and preservation, and criminal court procedures are presented. Analysis and review of landmark Supreme Court decisions serve as the basis for understanding the constitutional protections guiding peace officers in such areas as search, detention, interrogation and arrest.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 230, Patrol Operations, 3 credits

This course examines the patrol function in police agencies. It focuses on research regarding techniques for effective patrol. In addition, the course analyzes the myths and realities associated with patrol operations.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 240, Minnesota Criminal and Traffic Codes, 3 credits

This course provides students with the knowledge and practical application of Minnesota criminal laws and traffic codes.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 301, Community-Oriented Policing, 3 credits

This course presents a systematic overview of community-oriented policing and its approaches to crime prevention and reduction. Using case studies, this course presents a framework for a planned, proactive response to crime by all components of the criminal justice system and the community. Students examine and learn to apply principles of planning, research, organization and evaluation as applied to community problems.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or Instructor's consent.

LAWE 330, Critical Issues in Law Enforcement, 3 credits

This course provides an introduction to American policing and an overview of the critical issues which confront law enforcement officers and their agencies. Some of the issues which are examined include: the role of the police, management and policy development in law enforcement agencies; police selection, training and

socialization; minorities and women in policing; psychological hazards and stress in policing; and police misconduct.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 431, Police Culture, 3 credits

This course will explore the complex interactions between police culture and issues relating to integrity and ethics for the police. It will examine the underlying values of the police culture and how those affect police behavior.

Loyalty, racism, and use of force issues will be examined.

Other Information: Prerequisite: Upper Division status or instructors consent

LAWE 370, Assisting Families in Crisis, 3 credits

This course examines the social and psychological dynamics associated with families in crisis and the role of the police in providing assistance in crisis situations. Factors leading to conflict in family relationships (victims, offenders and police families) are addressed. The application of principles for mediating family conflicts is stressed.

Prerequisite: CJS 101 Introduction to Criminal Justice. CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 325, Criminal Procedure and Investigation, 3 credits

This course examines the legal aspects of the investigation and arrest process and the fundamentals of criminal procedure: statutory elements of felony and misdemeanor offenses, crime scene control, evidentiary rules, search and seizure, interrogation, and constitutional limitations.

Prerequisite: CJS 101 Introduction to Criminal Justice. CJS 200 Literature in Criminal Justice or instructor's consent.

LAWE 502, Best Practices in Law Enforcement Ethics and Police Leadership, 3 credits

This course is to prepare future ethical leaders for a career within the law enforcement profession, with a focus in the best practices within peace leadership, the dynamics of leadership, morality and professional conduct, ethical decision making, communication, motivation, and community policing.

Prerequisite: CJS 101 Introduction to Criminal Justice, CJS 302 Juvenile Justice

LAWE 311, Best Practices in Police Community Interactions, 3 credits

This course reviews best practices to address issues facing the police in the 21st Century with an emphasis on diversity and community oriented policing. This course also serves to fulfill some of the state of Minnesota's learning objectives to be a police officer in Minnesota.

LAWE 251, Law II, 3 credits

This course is a continuation of LAWE 250 (Law I) regarding Minnesota Criminal and Traffic Codes to provide an understanding of the legal principles in order for students to appropriately apply the law to a given situation and ensure individual constitutional rights are maintained.

LAWE 104, Emergency Medical Responder Law Enforcement, 3 credits

This course meets the Minnesota POST Board first-aid requirement for law enforcement officers. The course emphasizes development of skills in patient assessment and emergency medical procedures for personnel likely

to respond to traffic accidents and other medical emergencies. Successful completion results in Minnesota EMS Regulatory Board Emergency Medical Responder Registration.

LAWE 205, Report Writing in Law Enforcement and Criminal Justice, 3 credits

Report Writing in Law Enforcement and Criminal Justice is an applied writing class that emphasizes the development of communication skills and techniques necessary to succeed in law enforcement and criminal justice fields. Students learn how to write police and criminal justice reports in a style and format that best communicates the actions and behavior of others and allows the reader to determine the facts of a specific case. Students prepare multiple incident-based reports, interview summaries, memos, executive summaries and management correspondence to a professional standard.

Prerequisite: CJS 101 Introduction to Criminal Justice, WRIT 131 Writing I

Linguistics

LING 111, Vocabulary Study, 3 credits

This course increases the size of a student's vocabulary, and teaches methods for continuing to learn, remember and use new words after the course is over. The emphasis is on developing and enriching a college-level vocabulary, important for students in any field. Words are learned by studying where they come from and how they are put together, making it easier to remember what they mean and how to use them. The course also emphasizes grammar, dictionary skills and usage.

MnTC (GELS): Communication Goal (01)

LING 326, Language and Culture, 4 credits

In this course students undertake language analysis in a cultural context, including the relationship between language, culture and thought. It presents an anthropological perspective on various linguistic and cultural systems, with special emphasis on those of Asian, Chicano/Latino, African-American, American Indian and Anglo-American peoples. Students are introduced to the implications of linguistic and cultural differences in work and classroom situations.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Other Information: Community Engagement

LING 547, History of the English Language, 4 credits

This course emphasizes the evolution of English in connection with historical, social, literary and linguistic forces. Topics addressed include Old English language in the Anglo-Saxon culture; the effects on English of the Norman Conquest, the Renaissance and the invention of printing; British colonialism; the spread of English to Asia, Africa and America; the modern development of the language; and underlying principles of change ruling various types of linguistic phenomena that take place during the natural historical development of a language.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement

Literature

LIT 100, Introduction to Literature, 3 credits

This course introduces students to methods of literary analysis and prepares them for further study in university literature courses. Taking a practical, common-sense approach, the course teaches how to pay attention to a text in order to become a better and more appreciative reader of poetry, drama, short stories and novels.

MnTC (GELS): Humanities/Fine Arts Goal (o6)

LIT 312, Women Writers, 4 credits

This course takes a critical and historical approach to literature in English by women, looking at the emergence of female literary voices and exploring the contexts in which their works were written. Some sections of the course may focus on particular traditions within the range of literature written by women.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 342, American Literature: 1870-Present, 4 credits

This course surveys illustrative works from 1870 to the present, introducing students to the study of that literature and sharpening critical reading skills. Emphasis is on the development of literary technique and on the cultural context of literary works. Topics covered include the rise of modernism, its impact on a diverse population and various responses to modern culture, as well as changing perceptions of religion, race, gender, environment, the future, the self and the community. Students are introduced to a range of contemporary critical approaches to literature.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 363, American Indian Literature, 4 credits

This course introduces students to the literary styles of Native American authors and the cultural systems from which they draw. The course surveys traditional foundations of various types of native literature through sound, music, natural cycles, spirituality and mystic symbols.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 372, English Literature: 1800-Present, 4 credits

In this course, students survey important and influential texts of the last two centuries. Emphasis is placed on literary history and the development of the English language as the vehicle of literary expression. Attention is also given to literary analysis, and to the application of various interpretive approaches.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Global Perspective Goal (o8)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 377, Shakespeare, 4 credits

This course provides a systematic study of Shakespeare's unique literary and dramatic achievements. Close readings and written exercises focus attention on Shakespeare's mastery of the English language and the craft of

poetry. Students typically read a selection of plays including histories, comedies and tragedies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 480, Literature Capstone Seminar, 4 credits

This capstone course for English majors focuses on integrative processes in the study of literature. (The course is also open to appropriately prepared non-majors.) Students work together as a community of inquiry to study a particular author, genre, period or problem selected for each section by the instructor. Each student completes a course paper or project using concepts and methods derived from this and other literature courses to explore a literary topic of personal interest. Prerequisite: Students completing an English major must be within two semesters of graduation. Other students must secure the instructor's consent before registering.

Prerequisite: WRIT 131 Writing I or have instructor's permission.

Other Information: Prerequisite: Students completing an English major must be within two semesters of graduation. Other students must secure the instructor's consent before registering.

LIT 349, American Nature Writers, 4 credits

This course familiarizes students with characteristic works of nature writing by U.S. authors. While the course touches on fiction and poetry, emphasis is on major authors, themes and issues in creative nonfiction about the natural world from the beginnings of European settlement to the present. Topics covered include changes over time in American thinking and writing about nature; primitivism and the pastoral; the aesthetics of nature and nature writing; nature writing and spirituality, Romanticism, Modernism, and the natural world; anthropocentrism and biocentrism; ecofeminism; creation of point of view in description and nonfiction narrative; authorial tone and credibility; and the "prophetic tradition" in American nature writing.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), People/Environment Goal (10)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

Other Information: Community Engagement

LIT 300, Literary Analysis, 3 credits

This course reviews key ideas from Literature 100 and introduces fundamentals of current literary theory. Students solidify their understanding of terms and concepts important to the study of literature; practice techniques of analyzing and interpreting poetry, prose and drama; and learn basic theoretical principles that explain how literary texts can be linked to issues in a culturally diverse community. This course is intended especially for students in the urban education program, but it is open to anyone prepared for upper-division study in literature.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

Other Information: Community Engagement

LIT 362, Black Women Writers, 4 credits

Through novels, speeches, essays and poetry, this course explores the experience of black women writers in America from an historical perspective. Students learn techniques for critical reading and explore issues related to culture, gender, race and identity.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

LIT 332, Adolescent Literatures, 4 credits

This course is intended to familiarize students with fictional and non-fictional texts written for young adults by authors of diverse cultures. Students examine the criteria that characterize these diverse literatures and learn to recognize contemporary trends.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

Other Information: Community Engagement

LIT 345, Working Class Literature, 4 credits

Working-class literature is fiction and poetry written by people from working-class backgrounds about working-class life. This course introduces characteristic themes and techniques in American working-class novels written within the last 100 years, and considers the place of working-class writing within the larger context of American literature and culture. This literature explores some of the individual and community pressures bearing on working-class lives and generally affirms that, while not conforming to middle-class norms, working people live in ways that have integrity, honor and value.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Prerequisite: WRIT 131 Writing I or have instructor's permission.

Mathematics Education

MAED 106, Math for Elementary Teachers, 4 credits

This course provides the background for teaching contemporary mathematics in the elementary school. The use of mathematics manipulatives for modeling the basic operations is emphasized. Set theory, numeration, and the system of whole numbers, integers and rational numbers are considered. Requirements include knowing what mathematics is expected of and taught to K-6 learners. Mathematics is taught as an integrated and continuous curriculum.

Other Information: Note: Does not satisfy GELS requirements. This course is a prerequisite for Urban Elementary Education majors.

MAED 440, Teaching Mathematics to Urban Learners in Grades K-8, 4 credits

This course provides students with the knowledge and experience of intermediate and middle school mathematics to be an effective teacher in urban, multicultural classrooms. The content of this math methods course emphasizes the interconnectedness of curriculum, instruction and assessment. The overarching philosophical framework for this course is the social justice perspective of mathematics education particularly for urban students. Field experience in an intermediate or middle school mathematics classroom is required.

Prerequisites for Mathematics Teaching majors: EDU 300 Assessment of Learning and Teaching in Urban Grades 5-12 and EDU 306 Urban Middle School and High School Methods and at least 24 credits of Math courses required for the Mathematics Teaching major. Prerequisite for Urban Elementary Education majors: MATH 106 Math for Elementary Teachers AND one of the following: MATH 110 Math for Liberal Arts OR MATH 115 College Algebra OR STAT 201 Statistics I. Corequisite Mathematics Teaching Majors: EDU 450 Advanced Urban Teaching Practicum and Seminar if plans are to student teach in an urban high school.

Other Information: Community Engagement. Note: Admission to the Urban Teacher Program and department

approval is required to register. Field experience in an urban K-8 mathematics classroom is required. See course description for prerequisite information. This course should be taken within two semesters of student teaching.

Mathematics

MATH 115, College Algebra, 4 credits

This course develops the fundamental concepts of algebra with an emphasis on the classification and analysis of linear, quadratic, polynomial, exponential and logarithmic functions. Applications to the natural and social sciences are given throughout. It aims to provide insights into the nature and utility of mathematics, and helps students develop mathematical reasoning skills.

MnTC (GELS): Mathematical/Logical Reasoning Goal(04)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability

Other Information: Pre-requisite: A grade of C- or higher in MATH 98 or MATH 102, or placement at MATH 115 College Algebra on the mathematics assessment test offered by the Placement Assessment Office. Those who have completed intermediate algebra or equivalent at other institutions should contact the Placement Assessment Office at 651-793-1464 before registration.

MATH 110, Math for Liberal Arts, 4 credits

This course focuses on practical applications of mathematics and is a good introduction to the broad spectrum of areas that use mathematical understanding. This course is designed for those students who are not planning to take any further mathematics courses.

MnTC (GELS): Mathematical/Logical Reasoning Goal(04)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 099 Developmental Mathematics Using Web-Based Technology, MATH 102 Mathematics of Sustainability or placement at MATH 115 College Algebra on the mathematics assessment test offered by Placement Assessment Office.

Other Information: Note: A grade of C- or higher in MATH 98 or MATH 102, or placement at MATH 115 College Algebra on the mathematics assessment test offered by Placement Assessment Office.

MATH 210, Calculus I, 4 credits

Since its beginnings, calculus has demonstrated itself to be one of humankind's greatest intellectual achievements. This versatile subject has proven useful in solving problems ranging from physics and astronomy to biology and social science. Through a conceptual and theoretical framework this course covers topics in differential calculus including limits, derivatives, derivatives of transcendental functions, applications of differentiation, L'Hopital's rule, implicit differentiation, and related rates.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

Prerequisite: MATH 120 Pre-calculus or placement on the mathematics assessment test offered by Placement Assessment Office.

Other Information: Prerequisite: C- or better within past 3 years in MATH 120 Pre-calculus or permission of the Mathematics department chair.

MATH 120, Pre-calculus, 4 credits

This course is designed to prepare students for calculus. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions; the algebra of functions; multiple function representations; and an introduction to analytic geometry.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

Prerequisite: MATH 115 College Algebra or placement at MATH 120 Pre-calculus on the mathematics assessment test offered by Placement Assessment Office.

MATH 211, Calculus II, 4 credits

This is a continuation of Math 210 Calculus I and a working knowledge of that material is expected. Through a conceptual and theoretical framework this course covers the definite integral, the fundamental theorem of calculus, applications of integration, numerical methods for evaluating integrals, techniques of integration and series.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

Prerequisite: MATH 210 Calculus I

MATH 215, Discrete Mathematics, 4 credits

Using applications to motivate the material, stressing problem-solving techniques, and with meaningful connections to computer science, this course covers systems of linear equations, matrices, combinatorics, probability, logic and mathematical reasoning.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

Prerequisite: MATH 115 College Algebra

MATH 315, Linear Algebra and Applications, 4 credits

The need to solve systems of linear equations frequently arises in mathematics, the physical sciences, engineering and economics. In this course we study these systems from an algebraic and geometric viewpoint. Topics include systems of linear equations, matrix algebra, Euclidean vector spaces, linear transformations, linear independence, dimension, eigenvalues and eigenvectors.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04), Upper Division Liberal Studies Goal (LS)

Prerequisite: MATH 310 Calculus III: Multivariable Calculus

MATH 310, Calculus III: Multivariable Calculus, 4 credits

This is a continuation of Math 211 Calculus II and covers calculus as it applies to functions of several variables. Topics include vectors and plane curves, partial differentiation, curves and vectors in space, multiple integrals, vector fields, line integrals, and Stokes Theorem.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04), Upper Division Liberal Studies Goal (LS)

Prerequisite: MATH 211 Calculus II

MATH 301, Introduction to Analysis, 4 credits

This is an introductory course in real analysis. Starting with a rigorous look at the laws of logic and how these laws are used in structuring mathematical arguments, this course develops the topological structure of real numbers. Topics include limits, sequences, series and continuity. The main goal of the course is to teach students how to read and write mathematical proofs.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04), Upper Division Liberal Studies Goal (LS)

Prerequisite: MATH 211 Calculus II

MATH 450, Operations Research, 4 credits

The field of Operations Research studies the mathematical methods developed for solving problems in business, industry, and management science. Following a modeling approach, this course introduces selected topics such as linear programming, integer programming, game theory, Markov chains, and queuing theory.

Prerequisite: MATH 315 Linear Algebra and Applications

MATH 370, Modern Geometry, 4 credits

This course goes beyond the Euclidean Geometry typically taught in high schools. This is a modern approach to geometry based on the systematic use of transformations. It includes a study of some advanced concepts from Euclidean Geometry and then proceeds to examine a wide variety of other geometries, including Non-Euclidean and Projective Geometry. A working knowledge of vectors, matrices, and multivariable calculus is assumed.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04), Upper Division Liberal Studies Goal (LS)

Prerequisite: MATH 310 Calculus III: Multivariable Calculus

MATH 102, Mathematics of Sustainability, 4 credits

This course develops and applies mathematical concepts and tools to quantitatively explore environmental sustainability issues. Topics addressed in the course will be explored from environmental, social, and economic perspectives wherever possible, and may include such topics as industrial agriculture, energy sustainability, population growth, ecological footprints and the security of land and water resources. The mathematical concepts developed in this course are motivated through the study of these topics. Particular mathematical concepts include properties of real numbers, rate of change and percentage change, functions and inverse functions (with a focus on linear and exponential functions), modeling, algebraic simplification of expressions, solving linear equations and inequalities, and practical interpretation of numerical information.

MnTC (GELS): People/Environment Goal (10)

Other Information: Prerequisites: Enrollment is restricted to students who have not completed Goal IV. All students must place into MATH 102 on the mathematics assessment test offered by Placement Assessment Office. Students having questions should contact Professor Rikki Wagstrom at 651-793-1454.

MATH 098, Introduction to Mathematical Thinking, 4 credits

This course prepares students for college-level mathematics. Within a comprehensive conceptual framework, it refreshes students on fundamental arithmetic, and focuses on the numerical, algebraic, geometric and verbal representations of functions and algebraic equations. Important topics of this course include rates of change, linear equations and functions, exponential and logarithmic functions and equations, quadratic equations and functions, and their applications.

Other Information: Prerequisite: A score of 39 or higher on the Arithmetic portion of the Mathematics Assessment test offered by Placement Assessment Office.

MATH 499, Mathematics Senior Seminar, 4 credits

This course integrates reading of the mathematical literature with presentation of student developed projects.

Prerequisite: MATH 471 Abstract Algebra

MATH 320, Probability, 4 credits

This is a calculus-based probability course. It covers the following topics. (1) General Probability: set notation and basic elements of probability, combinatorial probability, conditional probability and independent events, and Bayes Theorem. (2) Single-Variable Probability: binomial, geometric, hypergeometric, Poisson, uniform, exponential, gamma and normal distributions, cumulative distribution functions, mean, variance and standard deviation, moments and moment-generating functions, and Chebysheff Theorem. (3) Multi-Variable Probability: joint probability functions and joint density functions, joint cumulative distribution functions, central limit theorem, conditional and marginal probability, moments and moment-generating functions, variance, covariance and correlation, and transformations. (4) Application to problems in medical testing, insurance, political survey, social inequity, gaming, and other fields of interest.

MnTC (GELS): Mathematical/Logical Reasoning Goal (o4), Upper Division Liberal Studies Goal (LS)

Prerequisite: MATH 211 Calculus II

MATH 208, Applied Calculus, 4 credits

This course provides an overview of the differential calculus for single and multivariable functions and an introduction to the integral calculus and differential equations, with an emphasis on applications to the natural and physical sciences. Particular topics covered in the course include limits, ordinary and partial derivatives, applications of derivatives, definite integrals, fundamental theorem of calculus, and applications of definite integrals, models involving differential equations, Euler's method, and equilibrium solutions.

Prerequisite: MATH 120 Pre-calculus

Media Studies

MDST 350I, Media Studies Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

MDST 361, Visual Communication, 4 credits

Designed as an introduction to visual literacy, this course surveys many of the media formats that define today's image-dominant culture. Various examples of print advertising, photography, film, television and multimedia are explored; the focus is equally on principles and concepts from both the fine and applied arts, and draws from history as well as the present day.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (o1)

Other Information: Community Engagement

MDST 371, American Film: Tradition and Trends, 4 credits

This course surveys the development and growth of American popular film from the silent movies at the turn of the century through Hollywood's studio system to the modern age of the multiplex theater, home video and cable television productions. Using a variety of feature films, historical sources and critical essays, students explore how film recreates, reflects and influences American culture. Also, students gain a basic knowledge of the technology and language of film, and critical approaches to film study.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Community Engagement

MDST 583, Online Education and Training, 4 credits

This course is designed to provide information and experience integrating media into training and education with an emphasis on instructional design, online communities, and online collaboration. Students learn concepts and techniques to enable them to analyze various online learners and learning situations and to choose appropriate approaches.

Prerequisite: WRIT 372 Document and Information Design I and junior standing; Recommendation of WRIT 373 Writing and Designing for the Web I.

MDST 485, Communicating with New Media, 4 credits

This course is designed to provide students with the opportunity to effectively promote and advocate for events, organizations, or issues using a variety of social media and multi-media. Students will combine online writing (or blogging) with other forms of social networking and media (wikis, YouTube, Facebook, and/or Twitter) to build a comprehensive online initiative promoting a timely and relevant issue or event either of their choosing or provided by the instructor. Students will increase their knowledge of online rhetoric, audience research, planning for media events, script or treatment writing, and evaluation of communication programs.

Prerequisite: COMM 171 Desktop Computer Designing for Communication

Other Information: Community Engagement

MDST 363, Children, Adolescents and the Media, 4 credits

This course examines the influence of television, radio, film and new media on children and the family. Students discuss the unique production considerations involved when producing a media program for children and explore the research on media literacy, media violence, advertising, education, online privacy, gender roles, new technology and the child's response to programming. Includes critical viewing of media programs produced for children on broadcast and cable television, video, radio, computer, feature films, video games as well as international programs for children.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (o1)

Other Information: Community Engagement

Metro Educational Planning

METR 100, Getting Credit for What You Know, 1 credits

This one-credit course is designed for students who wish to examine the various options for gaining credits for learning outside the formal college or university classroom. Options explored include using military experience toward a degree, taking standardized tests in areas of your learning, earning credit from approved courses offered

by business and human service agencies, pursuing assessment of prior experiential learning, and learning about Metropolitan State theory seminars. These options may not duplicate credit that you have already on a college transcript. In the class, students do a self-assessment of their skills and abilities, write an educational goals statement, and identify ways to earn credit from non-classroom learning that are consistent with individual goals. Within the class, students will assemble the necessary evidence to directly pursue these alternative options of earning credit.

Other Information: Note: This course assists students in identifying areas of knowledge that may be evaluated as college-level learning, as well as preparing learning portfolios to build on previous non-college learning.

METR 101, Your Academic Journey, 3 credits

Students relatively new to university education or those returning to college after a number of years often find the transition difficult. This course is designed to introduce students to Metropolitan State and its academic programs and services. It also helps students self-assess their abilities and gain knowledge in important reading and writing skills, public speaking, listening skills, study skills, and critical thinking. The course provides a firm foundation for all university learning that follows. It is required of all newly-admitted students with less than 16 semester credits. Students with fewer than 30 semester credits, or students who have been away from college for some time, are also strongly encouraged to enroll.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement. Note: Students must attend a New Student Orientation before taking this course. Attendance at the first class is required. Bring course text to first class meeting. It is strongly recommended that students registering for Metro 101 also register for section of INFS 115, because the two courses are complementary.

METR 110, Reinventing Your Career: Theory and Practice, 2 credits

This course is for students who are seeking work or preparing to do so and would like structure for thinking about the world of work and a process for defining next steps in pursuing their career interests. The class will outline -- and practice -- the components of the active job search process. Student would have opportunities to create experiments to learn more about their career niche and connect with professionals one-on-one who are working in fields of students' interest. This course also addresses the development of marketing tools including resume, cover letters and developing an online presence through LinkedIn.

Other Information: Note: This course is designed for students ready to start a job search.

Management

MGMT 350I, Management Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Site supervisors give guidance and direction to customized internship projects. Faculty members serve as liaisons between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Students should contact the Institute for Community Engagement and Scholarship (ICES) at Metropolitan State University for more information.

MGMT 100, Introduction to Business, 3 credits

This course acquaints students with the American business system. Students learn about the environment of business including the economic, political/legal, socio/demographic, global, technological, and competitive aspects and how they impact organizations. In addition, the various functional areas of business are examined (marketing, management and finance). Students also consider the critical issues that face most contemporary business organizations (ethical/social issues, cultural diversity and global considerations).

MGMT 310, Management Principles and Practices, 4 credits

This course examines the historical and philosophical roots of management as well as current management theory and practices. The critical success factors leading to effective performance in the roles of planner, decision maker, organizer, leader, motivator, controller and manager of a diverse workforce in a changing environment are identified and evaluated.

MGMT 320, Organizational Behavior, 4 credits

This course focuses on the behavior of individuals and groups within diverse organizations and on organizational structure and processes. Topics include motivation, group development and dynamics, teamwork, communication, organizational structure, job design, stress, power, politics, conflict, and organizational culture.
Prerequisite: MGMT 310 Management Principles and Practices

MGMT 340, Managing Quality, 4 credits

This course examines several frameworks to the management of organizational excellence, including Deming Juran the Baldrige Award, ISO and Six Sigma. Topics include customer focus, leadership, management by fact, strategic planning, human resources, continuous improvement of processes and business results.
Prerequisite: MGMT 310 Management Principles and Practices, STAT 201 Statistics I or equivalent with instructor's consent.

MGMT 360, Managing a Diverse Workforce, 4 credits

This course focuses on policies and practices for effectively managing a diverse workforce in private, public and nonprofit organizations. The current context, legal environment and historical development of equal employment opportunity, affirmative action, and diversity are addressed. Students gain theoretical and practical knowledge to understand beliefs, attitudes, biases, and prejudices to more effectively manage differences in order to enhance organization productivity.
MnTC (GELS): Human Diversity Goal (07)

MGMT 499, Case Studies in Strategic Management, 4 credits

This advanced course uses the case study approach to develop systems and techniques for analyzing the internal strengths and weaknesses of diverse organizations and the external environments in which they operate. Students craft strategies and develop implementation plans that apply organizational resources to opportunities and threats in its external environment. This course should be taken during the last semester of a student's program.
Prerequisite: FIN 390 Principles of Finance, MGMT 310 Management Principles and Practices, MKTG 300 Marketing Principles and a minimum of 90 earned credits., FIN 390 Principles of Finance, MGMT 310 Management Principles and Practices
Other Information: Note: Failure to successfully complete all prerequisites for this course by the date the semester begins will result in you being administratively dropped from the course.

MGMT 370, Hotel and Restaurant Chain Management, 4 credits

This course addresses the management policies and decisions made at the central headquarters as different from those at the individual properties. For example, location decisions, training, advertising strategies and many of the purchasing policies are made at the home office and communicated to the local properties for implementation.

Prerequisite: MGMT 310 Management Principles and Practices

MGMT 360T, Managing a Diverse Workforce Theory Seminar, 4 credits

This course focuses on policies and practices for effectively managing a diverse workforce in private, public and nonprofit organizations. The current context, legal environment and historical development of equal employment opportunity, affirmative action, and diversity are addressed. Students gain theoretical and practical knowledge to understand beliefs, attitudes, biases, and prejudices to more effectively manage differences in order to enhance organization productivity.

MnTC (GELS): Human Diversity Goal (07)

Management Information Systems

MIS 100, Fundamentals of Information Technology in Organizations, 4 credits

This course is the first information technology foundation course in the College of Management. It focuses on the managerial and business problem solving dimensions of computer based information systems. It provides students with an introduction to the fundamental terminology of the hardware, software and the people involved with computer based information systems. The course includes hands on computer lab time to introduce students to word processing, graphics, database, spread sheet, business presentation and Internet microcomputer applications. This course is designed specifically to prepare students for information technology competence as needed in College of Management courses.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

MIS 310, Principles of Management Information Systems, 4 credits

This course is designed to define the role of information systems in organizations, and in particular the roles of IS staff and end-users in developing and maintaining computer systems. The managerial aspects and implications of databases, telecommunications, hardware, software and e-commerce are included. Special attention is given to management information systems theories in the organizational setting including: transaction processing, operational reporting, decision support systems and executive information systems. Also included are all phases of the systems development life cycle (SDLC) as well as alternative development methodologies. The course prototypically includes analysis of real world business cases and post-implementation audit report of a recently completed management information system. All students taking this class must have completed as a prerequisite the MIS 100 Fundamentals of Information Technology in Organizations course or its approved equivalent. Students should also note that this course is no longer offered as a theory seminar or as a prior learning experience, but students with significant prior work experience in the field of MIS are highly encouraged to take the internet study section for this course, which is appropriately more challenging.

Prerequisite: MIS 100 Fundamentals of Information Technology in Organizations or equivalent with instructor's

consent.

Other Information: Community Engagement

MIS 320, Information Systems Analysis and Design, 4 credits

This course presents approaches and methods for the analysis and design of IT applications. It also covers different methods for creating graphical models of IT project requirements. System development life cycle (SDLC) and alternate development approaches to information systems development are examined in detail. The course provides students with critical tools and representations (both traditional and object-oriented) for eliciting and documenting user requirements and for developing effective applications that meet organizational technology needs. Students work individually and in teams on assignments and projects. The roles of open source software, component based development and service oriented architecture in systems development are also examined.

Prerequisite: MIS 310 Principles of Management Information Systems

MIS 328, Applications Development I, 4 credits

This course provides an overview of applications development methods for managers of information systems. The course assumes no previous programming experience. The course develops elementary concepts of structured programming in the context of a third generation programming language (typically Basic or elementary Visual Basic) and then proceeds towards application design using Visual Basic. Students learn to apply analytical concepts to translate common business problems into programs using proper design, structure, methodology, and syntax. The goal is to understand the management issues in programming and application development.

Prerequisite: MIS 310 Principles of Management Information Systems

MIS 335, Management and Use of Databases, 4 credits

Competence in management and use of organizational and external databases is a skill needed by all business people and critical to management information systems effectiveness. This course teaches the development and accessing of internal and external information resources. Topics include: ensuring the availability of appropriate data; interrelating and applying data to typical business problems; normalized database design; protecting and managing information resources; scalability; and compatibility issues.

Prerequisite: MIS 310 Principles of Management Information Systems, MIS 320 Information Systems Analysis and Design

MIS 467, Telecommunications and Internet Management, 4 credits

This course explores the range of available telecommunications technologies and how they can be used to facilitate information access and dissemination at all levels of an organization and through the Internet. Trends of telecommunications services are analyzed. Telecommunications trends in the United States and Europe are addressed in detail. A range of emerging telecommunications services is explored as well as how such services radically alter the ways that organizations gather information for decision making. The widespread use of the World Wide Web has required many changes both in architecture and concept. The student learns how to manage these new environments.

Prerequisite: MIS 310 Principles of Management Information Systems

MIS 412, Administration of the Management Information Systems Function, 4 credits

This is an alternate capstone course for MIS majors that emphasizes both the technical and strategic planning and as well as organization frameworks necessary to successfully select, deploy and manage information systems. Other areas of study include the roles of executive and staff, administrative structures, outsourcing decisions &

outsourcing frameworks. Several IT management methodologies will be examined, including ITIL and COBIT. This course was formerly numbered MIS 312.

Prerequisite: MIS 310 Principles of Management Information Systems

Other Information: Note: This is a new alternate capstone course for the MIS major. Prerequisite: All work in the MIS major must be completed prior to registration and a minimum of 90 earned credits.

MIS 450, MIS Auditing and Security Controls, 4 credits

This course is designed to present the elements of an integrated security compliance platform from a technical and legal perspective. Issues such as provide risk assessment, legal compliance, identity management, provisioning, access management, and monitoring and audit activities will be discussed.

Prerequisite: MIS 310 Principles of Management Information Systems

Other Information: Recommended: Completion of all MIS Tier One courses (MIS 320, 328, 335 and 467) before taking this course.

MIS 370, Retail Information Systems, 4 credits

This course examines the use of retail information systems applications at an advanced level to improve efficiency and effectiveness of retail stores and chain retailers. Topics covered include: Retail data configuration (the story of a Sku), Merchandise planning and IT, Purchasing & replenishment and IT, Role of IT in Merchandising and store operations, Post-season analytics. The course will prominently feature hands-on exercises with actual Retail management software. The software used may include Oracle Retail, SAP Retail, Microsoft Dynamics AX, etc.

Prerequisite: MIS 100 Fundamentals of Information Technology in Organizations

Marketing

MKTG 300, Marketing Principles, 4 credits

This course surveys factors that marketing managers take into account when creating a marketing plan, including consumer behavior principles, market segmentation, product life cycle, packaging, branding, pricing, advertising, sales promotion, public relations, personal selling, product distribution methods and key laws affecting marketing practices. The course takes a practical approach to explaining how to identify marketing objectives and determine strategies for reaching them. It is useful to general business students, students who plan marketing management or marketing communications careers and those who wish to be better informed consumers. This course is also offered online. Prerequisite: Goal 1 writing requirement plus 30 credits must be satisfied.

Other Information: Prerequisite: Goal 1 writing requirement plus 30 credits must be satisfied.

MKTG 420, Marketing Research, 4 credits

This course examines the processes and techniques used in gathering, analyzing and reporting information that forms the basis for managerial and marketing decision making. The course content includes the study of both secondary research methods and primary research methods, with the emphasis on survey methods. There is a strong statistical analysis component, and students learn to use SPSS, statistical software used extensively in organizations that perform quantitative research. Students design and implement a marketing research study.

Prerequisite: MKTG 300 Marketing Principles, STAT 201 Statistics I Note: If you have not satisfied the pre-requisite

of STATS 201 prior to registering for this course, you can take STATS 201 concurrently with this course with instructor's consent.

MKTG 480, International Marketing, 4 credits

This course introduces students to the concepts and disciplines of international marketing. Students develop an understanding of the international environment and its impact on marketing. Topics include: social and cultural influences, political, legal and financial considerations, exporting and importing; organizational alternatives, information sources, market-entry strategies, pricing and distribution, sales and communications practices, counter trade, and other current international marketing issues. Major geographic marketing areas are discussed.

MnTC (GELS): Global Perspective Goal (o8)

Prerequisite: MKTG 300 Marketing Principles or equivalent with instructor's consent.

MKTG 490, Issues in Marketing, 4 credits

This course is positioned as the capstone for marketing majors. Students critically examine contemporary issues in marketing including brand strategy, consumer behavior, marketing communications, pricing, positioning, the marketing of services, interactive marketing, and ethical issues in marketing. Students analyze case studies and read articles from a wide variety of business journals and texts. Special emphasis is placed on developing analytical skills and business writing and presentation skills. Emphasis is placed on understanding complex marketing situations, drawing conclusions, and making sound marketing recommendations.

Prerequisite: MKTG 300 Marketing Principles, MKTG 310 Consumer and Professional Buyer Behavior, MKTG 343 Integrated Marketing Communications AND a minimum of 90 credits.

MKTG 455, Supply Chain Management, 4 credits

This course examines those activities involved in planning, implementing and controlling the flows of raw materials, in-process inventories, and finished goods from the points of origin to the points of consumption at the lowest total cost. Topics covered include enterprise resource planning; forecasting; inventory management; transportation modes, services and rates; warehousing; information systems; performance measurement; quality; materials handling; customer services; and the overall management of logistical functions. The computerized information programs intending to support the management functions are also treated. Special emphasis is placed on building business analysis skills to assess the feasibility and cost benefit of its functions to support logistics operations.

Other Information: Recommended: MKTG 300 Marketing Principles.

MKTG 371, Travel and Tourism Marketing, 4 credits

This course integrates research, planning and scheduling of marketing activities designed to meet the needs of business and leisure-time travelers. Successful service marketing campaigns are studied in order to develop strategies specific to travel and tourism. Attention is given to the efforts of trade associations and government agencies and bureaus to increase the tourist trade in their service areas. Legal and ethical considerations in the implementation of marketing campaigns are discussed.

Prerequisite: MKTG 300 Marketing Principles

MKTG 310, Consumer and Professional Buyer Behavior, 4 credits

This course is designed to give both marketing management and marketing communications students an opportunity to study principles of the behavioral sciences of psychology, sociology and anthropology, and how they are used in creating marketing and communications plans aimed at consumer or professional buyers.

Specific topics include perception processes, lifestyle analysis, personality, psychographics, motivational analysis and the influence of groups on their members' buying behaviors.

Prerequisite: MKTG 300 Marketing Principles

MKTG 343, Integrated Marketing Communications, 4 credits

This course teaches a strategic approach to understanding and executing the full array of marketing communications. Topics include the essential role of integrated marketing communications (IMC) within the marketing function, product and service positioning, and the advantages, disadvantages and uses of various promotional tools such as advertising, sales promotion, publicity, public relations, personal selling and direct marketing. Special attention will be given to the constant changing role of interactive media. The course will focus on the process of developing effective IMC strategies that satisfy both promotional objectives and marketing goals, and developing an IMC plan.

Prerequisite: MKTG 300 Marketing Principles

MKTG 348, Advertising Copywriting, Design and Production, 4 credits

In advertising and marketing today copywriting is more important than ever. Effective copy needs to cut through the clutter, whether it's used for ads, social media, web sites, email blasts, video scripts, direct mail or brochures. The focus of this course is learning how to write compelling copy, incorporating positioning, creative briefs, research, features and benefits, creation of an advertising premise and copy organization. Writers are often expected to do it all, so the course also covers design basics and production terminology and practices.

Music

MUSC 350I, Music Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

MUSC 322, Topics in Music, 4 credits

This course provides a focused examination of the various popular and art music styles as developed and practiced in America and throughout the world. Topics regularly include the History of Rock and Roll, Jazz and Society, American Musical Theater and Sound Design as well as issues associated with emerging experimental forms of music and the intermedia arts. Note: This course may be taken up to four times with different topics.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Note: This course may be taken up to four times with different topics.

MUSC 133, Class Guitar I, 4 credits

This course is designed for students who wish to learn to play the steel string or classic acoustic guitar. It accommodates beginning and advanced beginning students. Students study hand positions, fingering techniques, music notations and other fundamentals. They are introduced to a variety of musical styles and have an opportunity to concentrate on one particular style. Student's also basic music theory and guitar history, Students must have access to a guitar. Students may register twice for credit.

MnTC (GELS): Humanities/Fine Arts Goal (o6)

Natural Science

NSCI 201, Minnesota Ecology and Conservation Biology, 4 credits

An introduction to the science of conservation biology applied to the ecology of Minnesota, focusing on Minnesota's natural ecosystems and the connections between humans and the environment. Lab activities vary with the season and the instructor's expertise. Field trips to forest, prairie and/or wetland ecosystems are a required part of class; check the class schedule for the dates and times of field trips. Includes lab. Intended for general education students.

MnTC (GELS): Natural Science Goal(03) , People/Environment Goal(10)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, WRIT 131 Writing I, WRIT 131 Writing I, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test. , WRIT 131 Writing I

Other Information: Note: First day attendance required except by instructor permission. Overlap: Student cannot receive credit for both NSCI 201 Nature Study and NSCI 201 Minnesota Ecology and Conservation Biology.

NSCI 216, Engaging Science: Exploring its Nature, 4 credits

What is science? Who does it? How is it done? This course explores these and other questions about the nature of science, scientists, and the process of scientific discovery. Through hands-on investigations, readings, web-based media, and class discussions the course will broaden understanding of science and its diverse, social/cultural foundations. It introduces to students the nature of science and scientific thought by drawing on specific examples from across the sciences. By building on student's personal experience, it deepens understanding of the world that science reveals to us.

MnTC (GELS): Natural Science Goal (03), People/Environment Goal (10)

Prerequisite: MATH 115 College Algebra or Equivalent.

Nursing

NURS 465, Leadership and Management in Nursing, 4 credits

Modeling and Role-Modeling is used in this course to expand and enhance leadership/management content in order to promote collaborative, effective client-centered care. Theory and concepts related to leadership, motivation, change and conflict as well as organizational and managerial theory and processes are discussed.

NURS 499, Special Topics in Nursing, credits

This independent study is designed for transfer students whose course or courses from another college or university fulfills some but not all of the requirements of a Metropolitan State undergraduate nursing course. The student and faculty evaluator negotiate the number of credits to be completed and the specific course objectives and requirements to be satisfied. Through guided study, the student completes these requirements.

NURS 335, Nursing Research, 3 credits

This course focuses on research as a basis for developing nursing as a discipline and for improving the practice of professional nursing. The historical development of nursing research and theory are reviewed. The usefulness of theory as a guide for practice and research is emphasized. Ethical issues surrounding the use of human subjects in research are explored. Emphasis is placed on assisting students to become effective consumers of research, the process for utilization of research in practice, and the development of evidence-based nursing practice.

NURS 407, Family Health Nursing, 3 credits

This course focuses on family nursing. Major theoretical foundations are presented including family systems, development, structure function and stress. Issues related to contemporary families are explored including gay and lesbian families, responses to grief and loss, family violence, and sociocultural influences. The clinical decision making skills of assessment, diagnosis, intervention and evaluation are applied to families experiencing a transition or a chronic health problem. Students work with a family who's cultural, racial or lifestyle background is different from their own. Graduate students evaluate the effectiveness of family nursing interventions. Graduate students will evaluate the effectiveness of family nursing intervention. Note: This course may be taken for graduate credits as NURS 607.

Other Information: Community Engagement

NURS 414, Geriatric Nursing, 2 credits

This course focuses on issues related to the provision of holistic nursing care to the aging population. Emphasis is placed on health promotion, chronicity and cultural aspects of aging. Additional focus is on end-of-life care and ethical dilemmas related to the aged population. Current theories of aging are examined.

Other Information: Community Engagement

NURS 456P, Community Health Nursing Practicum, 2 credits

The clinical experience in this course focuses on application of concepts of community health nursing in diverse community settings, emphasizing primary prevention, health promotion and cultural competence within the holistic framework. Students must register concurrently for NURS 456 Community Health Nursing.

Other Information: Community Engagement

NURS 521, WOC Nursing, Skin and Wound Management, 3 credits

The course focuses on the care of the client across the lifespan who may be at risk for skin breakdown, who has a break in skin integrity or who has an existing wound. Specifically, students will gain knowledge of the etiology,

differential diagnoses, clinical findings and management options of the wounds or skin complications affecting these groups. Focus will also be on the adept skill of obtaining a physical assessment and medical history, incorporating data from diagnostic tests, and documentation of assessments and evaluations to attain optimal patient outcomes.

Other Information: Prerequisite: Admitted student or instructor's permission. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments each week.

NURS 522, WOC Nursing, Ostomies and Continent Diversion, 3 credits

This course will address the immediate and long term care of clients across the lifespan experiencing acute and chronic health concerns that may result in an ostomy or continent diversion. Specifically, students will gain knowledge of the etiology, differential diagnoses, clinical findings and management options of the common conditions necessitating an ostomy or continent diversion. In addition, students will gain knowledge of the etiology, differential diagnoses, clinical finds, and management protocols of the common conditions affecting the ostomy or continent diversion patients. Emphasis will be placed on the psychosocial and educational needs of these patient groups from the preoperative, postoperative and long-term follow-up perspective.

Other Information: Prerequisite: Admitted student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments each week.

NURS 523, WOC Nursing, Bowel and Bladder Continence, 3 credits

This course will address the immediate and long term care of clients across the life span experiencing acute and chronic health concerns that often result in urinary or fecal incontinence. Specifically, students will gain knowledge of the etiology, differential diagnoses, clinical findings and nursing, medical and surgical management options for urinary and fecal incontinence. Emphasis will also be places on the psychosocial and educational needs of these client groups including behavioral strategies, environmental modifications, physical assessment and examination, containment, skin protection, pharmacological interventions and relevant procedures.

Other Information: Prerequisite: Admitted student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments each week.

NURS 446, Introduction to Nursing Informatics, 2 credits

This course provides an introduction to nursing informatics, with emphasis on how technology can be used as a tool to facilitate patient care. Students will explore the role of nurse as a knowledge worker, and develop information literacy skills to retrieve and synthesize evidence for nursing care. Concerns such as patient privacy and regulations impacting use of technology will be considered.

NURS 301, Theoretical Foundations for Nursing Practice, 4 credits

This course examines the theoretical foundation for the practice of professional nursing with emphasis on the values and theoretical perspectives that support practice. A holistic framework is introduced with emphasis on the application of Modeling and Role-Modeling theory. The concepts of nurturance, facilitation, healing and transformational self-care are emphasized. Interventions consistent with holistic nursing are introduced and practiced in the classroom.

NURS 521P, WOC Nursing, Skin and Wound Management Practicum, .5 credits

The practicum will focus on the development of the certified WOC nurse with special emphasis on the care and management of the client with a wound across the life span. Students will integrate knowledge of anatomy and physiology, pathophysiology, family, community and levels of evidence as they plan the nursing care and management for this unique patient population.

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course includes a practicum component. Students arrange the practicum in their own community with the approval of webWOCnursing Education Program. If there is a fee required, the fee is the student's responsibility.

NURS 522P, WOC Nursing, Ostomies and Continent Diversions Practicum, .5 credits

The practicum will focus on the development of the certified WOC nurse with special emphasis on the care and management of the client with an ostomy or continent diversion across the life span. Students will integrate knowledge of anatomy and physiology, pathophysiology, family, community and levels of evidence as they plan the nursing care and management for this unique patient population.

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course includes a practicum component. Students arrange the practicum in their own community with the approval of webWOCnursing Education Program. If there is a fee required, the fee is the student's responsibility.

NURS 523P, WOC Nursing, Bowel and Bladder Continence Practicum, .5 credits

The practicum will focus on the development of the certified WOC nurse with special emphasis on the care and management of the client with incontinence across the life span. Students will integrate knowledge of anatomy and physiology, pathophysiology, family, community and levels of evidence as they plan the nursing care and management for this unique patient population.

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course includes a practicum component. Students arrange the practicum in their own community with the approval of webWOCnursing Education Program. If there is a fee required, the fee is the student's responsibility.

NURS 520, Foundations of WOC Nursing, .5 credits

This course will address the various critical underpinnings to implementation of the role of the WOC nurse and specialty nurse. Students will gain knowledge of the history of the specialty, legal and ethical issues pertaining to implementation of the role, and professional growth opportunities (i.e., WOCN, certification, and collaborative practice, research utilization, writing for publication and establishing a service or a clinic). In addition, students will explore common career enhancement activities such as marketing, budgeting, record keeping, contracting for services and charging for services, procedures and equipment. Concepts central to the practice of WOC nursing will also be discussed such as counseling, patient/family education, infection control, continuity of care and nutrition.

Other Information: Prerequisite: Admitted student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments each week.

NURS 456, Community Health Nursing, 3 credits

This course focuses on the origins and trends in community and public health nursing, conceptual models for practice, and contemporary health problems and issues. Case studies of clients/aggregates in multicultural settings in the community are the basis for discussion of systems theory, public health nursing, and population-based practice. Unconditional acceptance of culturally, ethnically and socio-economically diverse clients enhances the development of students' nursing care. Students work collaboratively in small groups to assess and diagnose the health needs of an actual community. Students must register concurrently for a practicum session.

Other Information: Note: First class meeting is mandatory. Community Engagement

NURS 495, Nursing Capstone Seminar, 2 credits

This capstone seminar focuses on synthesizing theories, principles, models, and skills from nursing, other disciplines, and the arts and sciences. Emphasis is placed on Modeling and Role-Modeling theory as a basis for implementing holistic nursing care directed toward healing in the human health experience. Students demonstrate integration of theory through student-led seminars and the completion of a capstone project.

NURS 529P, WOC Wound Practicum Portfolio Evaluation, .5 credits

This course is an assessment of prior learning to validate specialty nursing competency in the care of the patient with a wound or skin care needs. Emphasis is placed on mastering entry level skills and integrating knowledge of pathophysiology into effective care of the patient with wound and skin care needs. Following the completion of the prerequisite courses and requirements, learner submits material for review to validate completion of the course objectives.

Prerequisite: NURS 520 Foundations of WOC Nursing, NURS 521G WOC Nursing, Skin and Wound Management Admitted student or instructor's consent and completion of the required minimum of 50 hours of wound care, including 10 hours in role development with a qualified preceptor., NURS 520G Foundations of WOC Nursing, NURS 521 WOC Nursing, Skin and Wound Management

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course follows the completion of practicum hours with a qualified preceptor.

NURS 531P, WOC Ostomy and Continent Diversions Practicum Portfolio Evaluation, .5 credits

This course is an assessment of prior learning to validate specialty nursing competency in the care of the patient with an ostomy or continent diversion. Emphasis is placed on mastering entry level skills and integrating knowledge of pathophysiology into effective care of the patient with an ostomy or continent diversion. Following the completion of the prerequisite courses and requirements, learner submits material for review to validate completion of the course objectives.

Prerequisite: NURS 520 Foundations of WOC Nursing, NURS 522G WOC Nursing, Ostomies and Continent Diversion Admitted student or instructor's consent and completion of the required minimum of 50 hours of ostomy care, including 10 hours in role development with a qualified preceptor., NURS 520G Foundations of WOC Nursing, NURS 522 WOC Nursing, Ostomies and Continent Diversion

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course follows the completion of practicum hours with a qualified preceptor.

NURS 532P, WOC Bower and Bladder Continence Practicum Portfolio, .5 credits

This course is an assessment of prior learning to validate specialty nursing competency in the care of the patient with bowel or bladder control problems. Emphasis is placed on mastering entry level skills and integrating knowledge of pathophysiology into effective care of the patient with bowel or bladder incontinence. Following the completion of the prerequisite courses and requirements, learner submits material for review to validate completion of the course objectives.

Prerequisite: NURS 520 Foundations of WOC Nursing, NURS 523G WOC Nursing, Bowel and Bladder Continence Admitted student or instructor's consent and completion of the required minimum of 50 hours of continence care, including 10 hours in role development with a qualified preceptor., NURS 520G Foundations of WOC Nursing, NURS 523 WOC Nursing, Bowel and Bladder Continence

Other Information: Prerequisite: Admitted MSN student or instructor's consent. Note: Course offered through our partner's webWOCnursing Education Program. Special tuition applies; visit www.webWOCnurse.com for program and tuition information. There are required online activities and assignments. This course follows the completion of practicum hours with a qualified preceptor.

NURS 309, Holistic Nursing Care of the Adult I, 3 credits

This course focuses on the foundational principles of holistic nursing care of adults throughout the health/illness continuum. Students will utilize principles of evidence-based practice, theory, and holism during the assessment, planning, implementation, and evaluation of case-based nursing care. Emphasis will be placed on health promotion, illness prevention, and management of alterations of health and wellness in diverse persons and populations.

NURS 400P, Intensive Practicum I, 2 credits

A clinical course which focuses on the application and integration of healthcare and nursing concepts, assessment skills and interventions necessary to provide basic safe and effective holistic nursing care to adults with acute, chronic, and traumatic conditions. Emphasis is placed on the examination of dynamic interrelationships between professional practice and the health and wellbeing of diverse persons and populations. Clinical experiences will occur on adult medical-surgical units with a focus on clinical decision-making and fundamental nursing skills.

NURS 410, Applied Pathophysiology, credits

This course introduces the nursing student to human pathophysiology and disruptions in homeostasis resulting in, or as a result of, alterations in tissue or organ function due to genetic, genomic, cellular, biochemical, structural or environmental causes. Topics focus on select conditions or diseases linked to physiological systems (respiratory, cardiovascular, neurological, gastrointestinal, renal, endocrine, immune/inflammatory, hematological, and skeletal/integumentary) that occur throughout the lifespan. Emphasis is placed on integrating pathophysiology, clinical presentation, therapeutic modalities and nursing interventions for effective clinical nursing practice.

NURS 404, Essential Concepts of Pharmacology II, 1 credits

This course builds on the core content presented in NURS 306. Students will apply core drug knowledge, safety principles and core patient variables to major classes of medications prescribed for adults and older adults within simulated and actual clinical cases. Competence Statement: Knows the core drug knowledge for the major classes of medications well enough to safely apply the nursing process to simulated scenarios.

Other Information: Note: This course is for ELMSN students only.

NURS 280, Chronic and Palliative Care, 7 credits

This course focuses on the nursing care of clients experiencing chronic illness and/or end of life. Emphasis is placed on understanding the lived experience of clients and families. Ethical issues related to advocacy, self-determination, and autonomy are explored. Evidence-based practice is used to support appropriate focused assessments and management of care of clients experiencing concurrent illnesses/co-morbidities.

Prerequisite: NURS 270 Foundations of Nursing: Health Promotion, NURS 272 Transition to the Role of the Professional Nurse, NURS 275 Nutrition and the Role of the Professional Nurse

NURS 285, Applied Pathophysiology for Nursing I, 2 credits

This course introduces a holistic perspective of pathophysiological processes and the disruption in normal body function. Emphasis will be on objective and subjective manifestations of common chronic health problems resulting from environmental, genetic, and stress-related maladaptation to provide a foundation for nursing care. This course complements selected topics addressed in Chronicity and End of Life to provide a comprehensive understanding of disease processes.

NURS 282, Pharmacology and the Role of the Nurse, 3 credits

This course introduces theoretical concepts that enable students to provide safe and effective care related to pharmaceuticals and natural products to diverse clients across the lifespan. A framework is presented for approaching the study of pharmacotherapeutics including pharmaceutical research and regulation, quality and safety, major drug classifications, and clinical management.

Prerequisite: NURS 270 Foundations of Nursing: Health Promotion, NURS 272 Transition to the Role of the Professional Nurse

NURS 325, Health Assessment, credits

This course focuses on the student's ability to perform a comprehensive health history and physical examination. This skill enhances the student's ability to model the client's world, which is central to effective intervention. The development of a holistic database reflecting an understanding of developmental, sociocultural, environmental, sexual and family influences is emphasized. Further emphasis is on the development of cultural competence, communication skills and health promotion. History and physical examination skills focus on the identification of normal patterns and functions across the lifespan.

Other Information: Note: This is a variable credit course. ELMSN students take 2 credits (1 credit theory and 1 credit lab); RN-BSN students take 3 credits (1 credit theory and 2 credits lab).

Personal Finance

PFIN 101, Personal Finance and Investing, 3 credits

People make financial decisions daily and, with increasing frequency, decisions affecting their long-term financial well-being. This course provides an introduction to the world of personal investing and finance including the formulation of intelligent and practical investment and personal financial plans.

Philosophy

PHIL 301, Ethical Inquiry, 4 credits

What does it mean to be an ethical person? What thinking should guide a person's decisions about doing (or not doing) what is right or wrong? Can we know when something is right or wrong or this only a matter of personal feeling? Do the affluent have moral duties to help the poor of the world with their plight? This course explores these questions and others like them, using a variety of philosophical materials and approaches. It examines major moral theories and related moral dilemmas concerning, for example abortion, economic justice, war and morality, and the moral status of animals. This course also examines ideas about how race, class and gender may affect concepts of ethics.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Ethical/Civic Resp Goal (o9)

PHIL 306, Philosophy and Sexuality, 4 credits

This introductory course explores the most basic ideas about human sexuality and sexual identity: What does it mean to be a woman or a man? What does it mean to have a sexual identity? Is there such a thing as "normal" sex? How has sexuality been socially regulated in the past and how is it currently regulated? How can people evaluate such "regulations"? How do ideas about sexuality influence gender, ethnic, racial and other stereotypes? What sorts of ideas do people have about the nature of their bodies? Students develop basic philosophical skills in order to sort out these questions. Topics usually include: eroticism, desire, homophobia, sexual violence, pornography, prostitution, and sexual imagery in popular culture, love and romance.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

PHIL 320, Business Ethics, 4 credits

Do business firms have obligations besides making as much money as possible for their stockholders? What are their responsibilities, if any, to their employees, their customers, and the wider community? Is it enough to obey the law, or does the law sometimes allow people to do things that are wrong? Do employees have any right to privacy on the job? To 'living wages'? To 'decent' working conditions? Does a seller have any obligation to look out for the interests of the buyer? Isn't it necessary to put the best possible 'spin' on your product and let the buyer look out for him or herself? This course will examine questions like these in light of various theories of ethics and current theories of justice. In addition to considering how we might ideally like people to act, it will also consider the challenges to personal integrity and 'doing the right thing' posed by the real world of business and by the kind of large bureaucratic organizations that dominate it.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Ethical/Civic Resp Goal (o9)

PHIL 321, Medical Ethics, 4 credits

Is it ever right to try to hasten a patient's death? Should people ever be given medical treatment against their will? How should we decide who will get access to scarce medical resources (like organ transplants)? Do people have a right to get the care they need, even if they can't pay for it? This course will use ethical theories and theories of justice to explore these questions and others like them. It is intended to be helpful not only to (present or future) health care practitioners, but also to anyone who wants to think about these issues, which confront us in our roles as patients and as citizens whose voices can contribute to the shaping of health care policies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Ethical/Civic Resp Goal (o9)

PHIL 362, African and African-American Philosophy, 4 credits

This course examines philosophical works produced in Africa and about Africa, as well as work by and about African Americans. Topics may include: the ethno philosophy of Africa; the philosophy of liberation movements in Africa, the Caribbean and the United States; and contemporary philosophy in the United States and Europe as written by persons of African descent. Questions raised could include: Is there an "African philosophy"? What should the goals of liberation be? In what sense is there a "Black identity?" Are racial solidarity and racism related? How has the experience of persons of African descent been recorded philosophically? What is the experience of African-American intellectuals like?

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

PHIL 100, Multicultural Introduction to Philosophy, 3 credits

Have you ever wondered how people from different cultures think about important life questions differently from one country or culture to the next? How do different cultures understand life's meaning? How do different cultures understand the nature of death? How do people in different cultures make sense of their place in the world? How do they see their moral responsibilities to one another? Through philosophical readings from a wide variety of cultures, this course explores these and other questions of inter-cultural philosophical significance. You will leave the course with a greater understanding of how people from a variety of cultures attempt to answer these important life questions.

MnTC (GELS): Humanities/Fine Arts Goal (o6)

PHIL 376, Early Modern European Philosophy, 4 credits

This course concentrates on the period of time in which what people call "the modern world view" was formed. With the dawn of modern science, the centuries old grip of Aristotle and the Church was broken and replaced by a fundamentally new philosophy that was responsive to the new science and assisted in its defense. We will study selected thinkers of the period from the 16th to the 19th centuries: Descartes, Locke, Hume, Kant, and others. The course also pays attention to the role of race, gender and colonialism in the thought of these philosophers.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

PHIL 327, Ethics in the Information Age, 4 credits

This course explores a range of moral issues raised by the introduction of new technologies for the production, distribution and use of information -- issues about privacy, surveillance and data-mining, freedom of speech, copyright, computer crime and abuse, justice in access to information, the political and social significance of the Internet, and so on. The course is intended to be helpful not only to information technology professionals, who will encounter some of these issues in connection with their work, but also to anyone who has an interest in the way information technology is changing our lives. Students will study moral theory, professional codes of ethics and a variety of case studies.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Ethical/Civic Resp Goal (o9)

PHIL 204, Introduction to Symbolic Logic, 4 credits

Symbolic logic uses formal methods in order to study the properties of arguments in a precise and rigorous manner. In this course, we learn about both the propositional calculus, which deals with the logical relations that hold among whole propositions, and the predicate calculus, a system which allows more precise analysis of linguistic structure. The course will focus on both translation of natural languages into symbolic form, and proofs

using natural deduction.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

PHIL 352, Ethics beyond Borders, 4 credits

This course offers an introduction to the philosophical issues raised by political and economic relations in the global system. Classes typically deal with challenges such as just distribution of goods and services; the morality of war; the complexity of humanitarian intervention; recognition across national boundaries; and environmental justice.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Ethical/Civic Resp Goal (09)

PHIL 365, The Cultural Politics of GLBT Sexuality, 4 credits

This course studies the socio-cultural, political, and conceptual bases of contemporary identity formation in gay, lesbian, transgender and bisexual communities. Variable topics of study, focused primarily on the United States, examine the development of communal and political LGBT identity rooted in the philosophical, social, and political debates and challenges among and between LGBT people since 1945: the Homophile movement of the 1950's and 1960's, the Stonewall Riot of 1969 and Gay Liberation movements of the 1970's, lesbian feminism and the politicization of sexuality, the HIV crisis, LGBT civil rights and public policy, transgender politics, race and its relationship to sexuality, and cultural, literary, and filmic expressions of LGBT identity. Overlap: GNDR 365

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Overlap: GNDR 365 the Cultural Politics of GLBT Sexuality

PHIL 102, Philosophy, Film and the Meaning of Life, 4 credits

Does human life have a meaning? If so, where or how can it be found? How should one live? What kind of people should we want to be? How does the nature of one's community and one's position in it affect one's answers to these questions? Do only certain kinds of communities offer opportunities for a good life? This course uses movies and philosophical essays from classical and contemporary sources to discuss these and other matters concerning life's meaning.

MnTC (GELS): Humanities/Fine Arts Goal (06), Ethical/Civic Resp Goal (09)

PHIL 310, Environmental Philosophy, 4 credits

In this course we use various philosophical approaches to explore the relations among persons, non-human animals and the worlds they inhabit separately and together. We will look closely at the grounds for claiming that we have obligations and duties in relation to non-human animals and the environment, as well as the ways in which these relations provide inspiration, companionship, solace and love. Topics may include: environmental justice and the disposal of electronic waste; animals and factory farming; the real cost of cheap consumer goods; the historical evolution of the concept of environment protection, of a land ethic, and of the development of natural parks; human stewardship; the possibility that natural creatures have a value that is independent of human benefit and whether it makes sense to grant them legal standing; global climate change; the connections between feminism and environmental ethics; the population time bomb and current responses; green politics; the role of scientific expertise in a democratic society; shallow vs deep environmental movements.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), People/Environment Goal (10)

Physics

PHYS 101, Introduction to Astronomy, 4 credits

This course examines the evolution of the universe and the movements within the solar system and life cycles of stars. It is designed for students with a natural interest and fascination for planets, stars, and the universe. The class has access to a large telescope, a planetarium and color slides of recent space probes. Also, it explores special topics of interest including supernovas, quasars, gas giant planets and other wonders of the unfolding universe. Lab included. Intended for general education students and students majoring in Life Sciences Teaching.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment test.

PHYS 211, Calculus Based Physics I, 5 credits

This is the first course of a two semester sequence covering the fundamental concepts of physics. This course covers Newton's laws of motion, work, energy, linear momentum, rotational motion, gravity, equilibrium and elasticity, periodic motion, fluid mechanics, temperature, heat, and the laws of thermodynamics. Laboratories emphasize application of physics concepts and quantitative problem solving skills. Intended for science majors and general education students with strong mathematical background.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 210 Calculus I or instructor's Permission, MATH 208 Applied Calculus

PHYS 212, Calculus Based Physics II, 5 credits

This is the second course of a two semester sequence covering the fundamental concepts of physics. This course covers oscillatory motion, waves, superposition and interference of waves, diffraction, electricity and magnetism, electric circuits, light, mirrors and lenses. Laboratories emphasize application of physics concepts and quantitative problem solving skills. Intended for science majors.

Prerequisite: MATH 210 Calculus I, PHYS 211 Calculus Based Physics I, MATH 208 Applied Calculus, PHYS 211 Calculus Based Physics I

PHYS 110, Introduction to Physics, 4 credits

This is an introductory course in physics covering one-dimensional and two-dimensional linear motion and forces, vibrations and wave motion, the behavior of light, and electricity and magnetism. Laboratories emphasize real world applications of the concepts and problem solving skills taught in this course. Includes lab. Intended for general education students and students majoring in Life Sciences Teaching.

MnTC (GELS): Natural Science Goal (03)

Prerequisite: MATH 115 College Algebra, MATH 120 Pre-calculus

PHYS 107, Energy and the Environment, 4 credits

This course explores the physics principles (such as force and energy, electricity and magnetism, thermodynamics, chemical physics, and nuclear power generation) related to the use of energy and its effects on the environment. Topics such as power production, acid rain, fuel resources are studied. The consequences of fundamental physics on public policy are also discussed in this context. Include lab. Intended for general education students.

MnTC (GELS): Natural Science Goal (03), People/Environment Goal (10)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 102 Mathematics of Sustainability or placement at or above College Algebra level on the University's assessment.

PHYS 351, Thermodynamics, 5 credits

This course introduces the concepts of thermodynamics. Topics include the first law of thermodynamics, the second law of thermodynamics, entropy, statistical mechanics, specific heat capacities of gases and solids, efficiency and the Carnot cycle, chemical potential, chemicals and phase equilibriums, etc. Applications explored will include the behavior of gases and the operation of heat engines. Laboratories emphasize real world applications of the concepts and problem solving skills taught in this course.

Prerequisite: CHEM 112 General Chemistry II, MATH 210 Calculus I, MATH 211 Calculus II, PHYS 212 Calculus Based Physics II

Overlap: Student cannot receive credit for both CHEM 351 Thermodynamics and PHYS 351 Thermodynamics.

Political Science

POL 101, Introduction to American Government and Politics, 3 credits

This course introduces students to the structure of American government, the core ideas and values that underlie it, and approaches to effective civic engagement. Through reading, class exercises, and case studies students gain an understanding of how American political institutions function and how to engage in meaningful political action.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Other Information: Community Engagement

POL 333, Constitutional Law: Civil Rights and Civil Liberties, 4 credits

This course focuses on the relationship between the individual and the government. By studying Supreme Court decisions and various pieces of legislation, freedom of speech, privacy, freedom of the press and discrimination are investigated. Responses to issues of equality and justice are analyzed.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

POL 323, The Middle East: Conflict and Change, 4 credits

This course is designed for students who wish to gain an understanding of the key economic, social and cultural roots of the conflicts between nations of the Middle East and between the Middle East and the West. Focus is on the prospects for peace with particular emphasis on the U.S. role.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

POL 301, Citizenship in a Global Context, 4 credits

This course investigates the theory and practice of citizenship in local communities, the United States and the world. Students draw on core concepts from political science to explore contrasting ideas about citizenship and

the political, economic and cultural dimensions of critical issues facing the global community. Classroom inquiry is supplemented by field experiences and investigation.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

POL 321, World Politics, 4 credits

This course examines critical global issues and the organizations and institutions that are attempting to address them. Drawing on concepts from political science and international relations, students explore such issues as human rights, the global environment, violence within and between nations, and the gap between "have" and "have not" nations. The course investigates the response of the United States to these issues as well as the effectiveness of formal international organizations like the United Nations and emerging transnational citizen organization. Classroom inquiry is supplemented by field experience and investigation.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Global Perspective Goal (08)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

POL 332, Gender and the Law, 4 credits

This course studies the construction and role of gender in the U.S. legal system by studying gender in employment, family law, health issues, education, reproductive rights and criminal law matters. The theoretical and practical questions that underlie these issues are examined using court decisions, statutes and a variety of non-legal materials.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

POL 319, Politics, Markets and Society, 4 credits

This course explores the contrasts and inter-relationships between three approaches to organizing our public life: democratic politics, economic markets, and the multiple associations that make up civil society. Students will investigate the basic characteristics and underlying principles of each approach and apply what they learn to an analysis of contemporary public issues. Students will evaluate the basic strengths and limits of each approach to civic engagement and public problem solving, and reflect on the ethical dimensions of their roles as citizens, consumers and members of civil society.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Prerequisite: WRIT 131 Writing I

Other Information: Overlap: SOC 319 Politics, Markets and Society

Perspectives Educational Planning

PRSP 301, Perspectives: Educational Philosophy and Planning, 4 credits

This course considers, from a multidisciplinary perspective, the questions "What is an educated person? What character traits mark an educated person? And how does becoming educated impact one's personal, family and social life?" While it is a required course for all students who plan to complete an Individualized B.A., it is also a

helpful course for students in any of the other colleges who are not sure about their major focus. The course helps students develop their own individualized degree plans or program outlines by providing time to reflect on what they want to learn and the best way to learn it. Students assess their own academic strengths and weaknesses and meet resource people from around the university who challenge them to think about education in a broad and liberating manner. While most students often focus first on their vocational goals in higher education, this course challenges students to think also about their community involvement and lifelong learning needs.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Note: Course required for individualized BA degree seeking students. Undecided students also welcome. Community Engagement

PRSP 301T, Perspectives: Educational Philosophy and Planning Theory Seminar, 4 credits

This theory seminar is geared for students with experience in independent learning such as: teaching, training, human resources, management or supervision; learning situations such as education in another country, English as a second language or disabilities; or other learning situations that have helped them reflect on and understand values and expectations toward being an educated person.

Other Information: Note: Instructor approval is required prior to registering for Theory Seminar.

PRSP 302T, Self-Directed Learning Theory Seminar, 4 credits

This theory seminar is designed for adult students who have engaged in one or more self-directed projects and/or activities a year. Self-directed learning applies to broad areas of interest and includes, but is not limited to, experiences in travel, business, self-education, literacy, entertainment, the arts, environment, home improvement, gardening, parenting, activism, volunteerism, and the like. Students read and discuss leading adult learning theories covering a wide range of thinkers and their complex and relevant thoughts. Also, students who enroll in this theory seminar are encouraged to link their learning experience with the theories, concepts, approaches and paradigms being considered in the seminar.

Other Information: Note: Students must obtain and complete a diagnostic test from the instructor before registering.

PRSP 499, Capstone, 4 credits

This course is the culminating experience in a student's First College program and is required of graduating seniors. Students demonstrate the relationship between what they have learned and the university's philosophical tenets and academic outcomes related to communication skills, critical thinking, multicultural understanding, global perspectives and citizenship. Students also consider their lifelong learning plans, possible career changes and future liberal learning opportunities. Students should register for this course in one of their final university semesters.

Other Information: Community Engagement. Note: This course is open only to students who are in their last semester. Students must also be registered for the GRAD workshop, WKSP GRAD 81.

PRSP 002, College of Individualized Studies Degree Plan Updating Workshop, 0 credits

This free, one-session workshop is an opportunity for students to revise "old" degree plans completed in the Perspectives or Individualized Educational Planning (IEP) course. It is also for students who completed Perspectives at one time when a First College individualized degree plan was not required, or who have made substantial changes in the focus of their original degree plan.

Other Information: Note: This free workshop has one meeting. You must bring GELS or DARS worksheet and transcripts.

Psychology

PSYC 314, Group Dynamics and Facilitation, 4 credits

Students learn the theory and practice of group membership skills, including group development, roles, norms and leadership responsibilities. Students also learn situational leadership styles and roles, interpersonal communication styles, conflict management, problem solving, feedback skills, and group activity planning, presentation and processing. Overlap: COMM 351 Communication in Work Groups and Comm 351T Communication in Work Groups Theory Seminar.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01)

Other Information: Overlap: COMM 351 Communication in Work Groups and COMM 351T Communication in Work Groups Theory Seminar

PSYC 337, Sports Psychology, 4 credits

In this course students gain an understanding of the application of principles from sports psychology literature and how they are used to enhance perceptions and behaviors of athletes and coaches. It also presents an overview of sports psychology history and development as well as the field's future directions. The course looks at psychological variables applicable to understanding sport performance--personality and theories related to human behavior, motivation, anxiety, concentration, the use of imagery and mental rehearsal; aggression in sport performance; and psychological considerations of burnout, injury and termination from athletics.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 100, General Psychology, 4 credits

This course introduces students to scientific and applied psychology, and suggests its application to everyday life. The course familiarizes students with concepts, principles, research methods and theories of psychology.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

PSYC 102, Dynamics of Parent/Child Relationships, 3 credits

This course is designed to increase knowledge of child growth and development and child-rearing principles and techniques. The focus is on parents' roles as facilitators for their children in areas such as achieving a purposeful life, becoming self-reliant and developing communication skills. It includes understanding and meeting the needs of single parents and their children.

PSYC 108, Career and Life Planning for Women, 3 credits

This course seeks to help women maximize their potential career choices and take control of their lives. The objectives include helping each woman identify and understand her own values, interests and abilities; becoming familiar with and applying theories of career development and adult development as they pertain to women;

using an effective decision-making process; and developing a personal career and life plan, and determining strategies to implement, review and revise the plan.

Other Information: Community Engagement

PSYC 212, Introduction to Diversity and Ethics in Psychology, 3 credits

In this course students explore questions related to psychology's response to diversity and ethical principles, including: How has psychology dealt with issues of culture, race, ethnicity, class, gender, sexual orientation and ableism? How has this influenced basic theories in psychology? How does this affect specific groups or individuals in areas of research, assessment and therapeutic practice? What are the ethical standards that guide, and the ethical dilemmas that currently face, the field of psychology? How do issues of diversity and ethical principles influence and intersect with each other? Students are asked to think critically about the societal and individual effects inherent in the information covered in this course.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

Other Information: Community Engagement

PSYC 300, Abnormal Psychology, 4 credits

This course explores the nature and causes of abnormal behavior and the terminology used in describing and discussing abnormal behavior. Students study the major categories used to classify abnormal behavior and the diagnostic criteria involved.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 301, Adolescent Psychology, 4 credits

This course covers the theory and developmental processes of adolescence, including viewpoints of adolescence, self and adolescent identity, biological influences, thinking and intelligence, and development of moral values and adolescent pathologies. Students learn to identify and describe these variables as interactive in the developmental process.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 305, Behavior Disorders in Children, 4 credits

This course focuses on common behavior and emotional problems of children and youth, with less emphasis on adolescence. Topics include dependency, anxiety, control issues, motivation, aggression and social behavior. The course balances theory and practice related to behavioral disorders with the focus on practical solutions.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 308, Child Psychology, 4 credits

This course provides an overview of the science of child psychology. Major theories and research related to a child's perceptual, motor, emotional, social and cognitive development are reviewed, and their practical applications are explored. Overlap: PSYC 308T Child Psychology Theory Seminar.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

Other Information: Overlap: PSYC 308T Child Psychology Theory Seminar.

PSYC 309, Cognitive Psychology, 4 credits

This course covers topics that span the full range of specializations within the field of cognitive psychology; such as attention, learning, memory, thinking and problem solving, decision making, language, intelligence and creativity. Applications of this information to education, business and mental health are provided. This course is well-suited to students interested in education, as well as psychology, and is often preparation for graduate study in psychology or education.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 327, Psychological Testing, 4 credits

This course provides an understanding of the basic concepts and techniques involved in selecting, administering, scoring and interpreting psychological tests. Validity, reliability, standardization, norms and ethical issues are covered in the measurement of intellect, aptitude, achievement, interest and personality. Learning strategies include test demonstrations. Students take, score (where possible) and interpret several different tests.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 328, Psychology of African Americans, 4 credits

This course investigates the African-American experience from a social psychological perspective. The course gives students insights on one of the largest racial cultural groups in the United States, and the impact of African Americans on the American social system.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and Human Diversity Goal (07)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 330, Psychology of Learning: Contemporary Theories and Applications, 4 credits

This course introduces students to the history of learning theories, and the development of current theories of learning such as classical conditioning, operant conditioning and observational learning. An emphasis is on the basic methods of inquiry, as well as on applications of learning theories to areas such as education, business and behavioral change. This course is well-suited to students interested in education, as well as psychology, and is often preparation for graduate study in psychology and education.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 331, Psychology of Men, 4 credits

This course, developed for men and women interested in understanding the male experience and their own personal journeys, explores the male experience amid the cross-currents of change in contemporary American society and related implications for counseling. It takes into account the feminist critique and moves toward a new understanding of today's masculinity. The course covers issues of power, dominance, nurturance, aggression, competition and emotional expression. Students gain a perspective of the historical, biological, anthropological, sociological and psychological theories of sex-role development and the politics surrounding it and how both men and women have been affected by the imposition of limiting roles and expectations.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 332, Psychology of Personality, 4 credits

This course covers similarities and differences in major personality theories and the "real life" implications for holding different theoretical views. Students take an active part in class discussions and give a class presentation on an in-depth study of a major theory.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 333, Psychology of Victims, 4 credits

This course defines the psychosocial dynamics of victimology, identifies the psychological stages of victimization, and defines relationship dynamics between the victim and the victimizer. It describes the concepts of secondary victimization, stress response syndrome, and anomie and victimization. Students examine the roles of women and human service professionals as victims in a class discussion format. Overlap: PSYC 333T Victimization Theory Seminar.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

Other Information: Overlap: PSYC 333T Victimization Theory Seminar.

PSYC 335, Psychology of Women, 4 credits

This course covers the biological perspectives, cultural variations, psychological sex differences, history of oppression and ethnic diversity explaining the female experience. It is interdisciplinary and includes ideas from biology, sociology, economics, communications and selected traditional psychological theories. The course helps students understand how imposed and real differences between men and women have affected the mental behavioral characteristics of women. It is useful for those who counsel, advise, teach, supervise or work closely with women.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and Human Diversity Goal (07)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent, GNDR 201 Introduction to Gender and Women's Studies

PSYC 336, Social Psychology, 4 credits

In this course, students learn social psychological theories and concepts. They also learn how to understand the research methods on which these theories are based. This knowledge includes an awareness and respect for the diversity of human experience, the importance of social influence on individual behavior, the social significance of groups, and the nature of social change.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 405, History and Systems of Psychology, 4 credits

This advanced psychology course is designed as a capstone course for students with a degree plan focus in psychology. In it, students review historical trends, individuals, and the political and social influences which have influenced psychology as a science and profession in twentieth-century America. Note: Students should plan to take this course near the end of their degree plan.

Other Information: Note: Students should plan to take this course near the end of their degree plan.

PSYC 380, Adlerian Psychology, 4 credits

This independent study familiarizes students with the basic concepts and techniques of Adlerian counseling/psychotherapy. The teachings of Alfred Adler and Rudolph Dreikurs are examined in detail, including lifestyle analysis, early recollections and impact of ordinal position. Evaluation is based on an objective test, several papers and a lifestyle analysis.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

PSYC 381, The American Male, 4 credits

This independent study looks at traditional patterns of male socialization in the United States and their effect on men's personal well-being, health, relationships and roles in business, family and society. Topics include the historical genesis of male socialization in American culture, stages of male development, men's reactions to the feminist movement, work as a primary focus of male identity, men and competition, homophobia--(men's fear of men), men and violence, and options for new male roles.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

PSYC 385, Educational Psychology, 4 credits

This course introduces psychological perspective to teaching and learning in classroom contexts through an overview of theories, principles, issues, and related research in educational psychology. Through readings, lectures, discussions, videos, activities and assignments, we will explore thinking, learning and memory in both classroom and daily life situations. Topics include, but not limited to: child and adolescent development, research in educational psychology, cognitive process and motivation, information processing, assessment of student learning, classroom management, and instructional strategies in education.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 388, Marriage and Family Relations, 4 credits

This independent study addresses issues, problems and conflicts as well as possible solutions to various dilemmas in marriage and family relationships. Topics include processes of change in marriage, and problems and pressures on contemporary family units. Students complete individualized research projects.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 391, Perception, 4 credits

This course introduces students to the major concepts and methods used in the study of perception. Topics include the eye and seeing, spatial vision and pattern perception, depth perception, auditory perception, touch, smell, taste, and knowledge and perception. Applications of research findings to everyday life are also explored.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 392, Psychology and Education of the Gifted, 4 credits

This independent study provides an introduction to terminology, theories and research findings related to the development and education of gifted individuals. Topics include the origins, identification and characteristics of giftedness and the relationships of social beliefs, and child-rearing and educational practices leading to the development of talent.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 397, Developmental Disabilities: Issues, Concepts and Problem Solving, 4 credits

This course gives an overview of issues and concepts of developmental disabilities. We will explore the cognitive and behavioral science evidence that helps us to better understand developmental disabilities, as well as the psychological, and cultural contexts that are experienced by individuals with developmental disabilities and their families. Through readings, lectures, discussions, activities and assignments, we will explore evidenced-based practices and psychological theory and research. Topics of developmental disability across the life span will include, but not limited to: etiology, diagnoses, risk factors, prevention, integration of individuals with specific types of developmental disabilities, family and community support.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

PSYC 399, Applied Psychology Research Internship, 3 credits

This internship is for students interested in doing research in community agencies or other settings which meet requirements for the psychology major; or in working as assistants in the Saint Paul Campus Psychology Lab. Special topics or internships settings are in the Class Schedule.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Other Information: Community Engagement. Note: Schedule to be arranged.

PSYC 010, Psychology Internship Group Meetings, 0 credits

These meetings are required as part of the individual psychology internship experience. Meetings help students plan their internships and gain from their experiences by reflecting on their learning. Note: These meetings are required as part of the individual psychology internship experience. The two meetings help students plan their internships and gain from their experiences by reflecting on their learning.

Corequisite: PSYC 3501 Psychology Internship

Other Information: Note: These meetings are required as part of the individual psychology internship experience. The two meetings help students plan their internships and gain from their experiences by reflecting on their learning.

PSYC 360, Friday Forum Topics, credits

Forums are on topics of current importance in the field of psychology and are offered in collaboration with the Minnesota Psychological Association. Students are asked to write papers summarizing the content and discussing the relevance of principles and practices presented to their own activities or within a specified hypothetical context. Specific topics are listed in the Class Schedule or announced in the Catalyst. Note: At least 12 credits in psychology, human services, or social work prior to registration.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Other Information: Note: At least 12 credits in psychology, human services, or social work prior to registration. Grading is Pass/No Credit only. MPA fee is \$15.

PSYC 560, Friday Forum Topics, credits

The Friday Forum series, which the Metropolitan State University Psychology Department cosponsors with the Minnesota Psychological Association, is being offered for academic credit by Metro State. Each forum is on a topic of current professional importance in the field of psychology. Descriptions and dates of offerings are published in the Class Schedule and Catalyst. Note: At least 12 credits in psychology, human services, or social work prior to registration.

Other Information: Prerequisite: Graduate Standing. Note: At least 12 credits in psychology, human services, or social work prior to registration. Grading is Pass/No Credit only. MPA fee is \$15.

PSYC 343, Drugs and Behavior: An Introduction to Behavioral Pharmacology, 4 credits

This course reviews current information on the clinical use of psychoactive medication. The course focuses on standard clinical psychopharmacology, applications of psychoactive medication, and relative merits of medication vs. psychotherapy rather than on illicit drugs. This course examines several classes of therapeutic drugs, such as neuroleptics, antidepressants, tranquilizers and hypnotics, their mechanisms of action and side effects, and research/experimental issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 508, Mental Health and the Law, 4 credits

This course addresses some of the major issues arising from the interaction of law and the mental health system. Following a legal system overview, topics include civil commitment, the right to treatment and to refuse treatment, legal and policy issues affecting the community mental health system, mental health considerations in the criminal justice process, and malpractice and other legal concerns affecting mental health professional practice.

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 344, Personnel and Industrial Psychology, 4 credits

This course focuses on principles and techniques of personnel and industrial psychology and applications of scientific psychology to business and industrial settings. Topics include: psychology as a science and professional practice issues; employee selection, psychological testing, performance appraisal, and training and development; leadership in organizations; motivation, job satisfaction and job involvement; organizational structure; work conditions, engineering psychology, employee safety and health, and work stress; and consumer psychology. This course is appropriate for general management, business administration and psychology students in addition to human resource management professionals. Overlap: HRM 330 Personnel and Industrial Psychology.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

Other Information: Overlap: HRM 330 Personnel and Industrial Psychology.

PSYC 312, Research Methods, 5 credits

This course introduces students to scientific research methods in psychology, emphasizing the experimental method. Topics include developing research questions, reviewing background information, deciding on appropriate methodology, and collecting and interpreting data. This course prepares students to think critically about psychological claims and is generally required preparation for graduate study. This course includes assignments in the Psychology Laboratory.

MnTC (GELS): Natural Science Goal (03), Upper Division Liberal Studies Goal (LS)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 250, Academic and Career Pathways in Psychology, 2 credits

This course offers students an introduction to the study of psychology. It is designed to stimulate students to consider the role of psychology in their overall goal of becoming an "educated person." Career goals, graduate school options and the psychology major at Metropolitan State are reviewed. Note: Students should take this course during their first semester as a psychology student.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05)

Other Information: Note: Students should take this course during their first semester as a psychology student. Grading is Pass/No Credit only.

PSYC 350T, Early Childhood Programs: Management Principles and Applications, 4 credits

This seminar has been developed for individuals who have experience managing early childhood programs. The seminar identifies and evaluates critical success factors leading to effective managerial performance in the roles of planner, decision maker, organizer, leader and motivator. Lecture, discussion and readings examine current management theory and practices and apply them to early childhood programs.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 308 Child Psychology

PSYC 356, Early Childhood Development within a Social/Cultural and Historical Context, 4 credits

This course explores the social, cultural, and historical contexts which impact child development. Students learn how children have been perceived during historical periods as well as the roles that children play in a variety of cultures. Emphasis is on racism, classism, sexism, ethnocentrism, ableism and heterosexism. Strategies for reducing the negative impact on children's lives and promoting healthy development of children within the social-political context are explored. The roles of parents, family and the community are considered as they relate to current policies affecting the needs of young children.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), and Human Diversity Goal (07)

Prerequisite: PSYC 308 Child Psychology, PSYC 308T Child Psychology Theory Seminar or equivalent with instructor's consent.

PSYC 357, Observing and Assessing Young Children: Birth through Age Five, 2 credits

This course is an introduction to formal and informal assessment strategies and their application to work with young children. The emphasis is on observing, recording and using authentic performance-based assessment, communicating assessment results to colleagues and parents, and applying assessment data to curriculum planning.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 308 Child Psychology, PSYC 308T Child Psychology Theory Seminar

Other Information: Community Engagement

PSYC 359, Positive Behavior Guidance, 2 credits

This course addresses the developmentally appropriate strategies to support learning of socially appropriate classroom behaviors for young children. Strategies examined for the course support social development, personal values and citizenship. The developmental and philosophical rationale for selection of behavior guidance strategies and practices are the foundational focus of the course. Students address the differences between discipline, classroom management and positive behavior guidance with particular focus on the cultural and contextual experiences of children in urban communities.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 308 Child Psychology, PSYC 308T Child Psychology Theory Seminar

Other Information: Community Engagement. Note: Field work required.

PSYC 416, Comparative Study of Early Childhood Program Models, 4 credits

This course focuses on a comparative study of traditional, current and culturally-based program models designed for children from birth through eight years of age. Students are introduced to early childhood program models including Reggio Emilia, Head Start, Montessori, cognitively-oriented preschools (High Scope), behavioral approaches to learning (Portage, Distar), even start, early childhood family education, and school readiness.

Prerequisite: PSYC 308 Child Psychology or equivalent with instructor's consent.

PSYC 417, Language and Communication Development in Early Childhood Education, 4 credits

This course provides students with foundational knowledge of the development of the communication skills in young children from birth through age eight. Topics include: hearing and speaking, speech and language development, vision and visual motor skills, and emergent literacy and small motor skills development. The process of learning more than one language is addressed as well as strategies for working with children for whom English is not the first language. The application of knowledge in the areas of assessment, individualization and referral are addressed and practiced.

Prerequisite: PSYC 308 Child Psychology or equivalent with instructor's consent.

Other Information: Community Engagement

PSYC 420, Early Childhood Studies Capstone: Professionalism and Ethical Issues, 4 credits

This capstone course is an exploration of the dilemmas facing early childhood professionals today through analysis of historical studies, recent reports and autobiographical reflections. Consideration is given to social policy issues, advocacy, leadership, ethics and organizational change. Students should register for this course in their final university semester.

Prerequisite: PSYC 415 Principles of Teaching and Learning in Early Childhood

PSYC 395, Coaching Psychology, 4 credits

This class introduces students to the theory and application of the art of motivating, nurturing and leading groups and individuals to achieving goals. Students gain an understanding that the theories and practical uses of sports psychological principles are relevant and can be applied in a variety of settings including the corporate arena, athletic field and educational environment. Students develop and experiment with leadership and team-building strategies assisting them in developing effective people-management skills.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 363, Community Psychology, 4 credits

This course surveys the principles and applications of community psychology, emphasizing person-environment interactions and societal/cultural impacts upon individual and community functioning. Attention is given to community-based interventions that facilitate individual and community competence and empowerment, prevent disorder, and promote health and social change. Students select and research an issue of their choice (such as, mental illness, violence, alcohol or substance abuse, HIV/AIDS, discrimination) utilizing a community psychology lens.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

Other Information: Community Engagement

PSYC 020, Getting Credit for What You Know in Early Childhood, 0 credits

See online class schedule for additional information.

PSYC 030, Early Childhood Studies Internship Meetings, 0 credits

See online class schedule for additional information.

Other Information: Corequisite: Psych 350 Early Childhood Internship. Note: Early Childhood Studies students only. Contact instructor to register for the internship.

PSYC 353, Selected Topics in Early Childhood, credits

The topics covered in the different sections of this course vary from semester to semester. The focus of each section is on young children birth to age five. The purpose of the course is to familiarize students with specific subjects in the field of early childhood. Possible topics include: curriculum approaches such as Montessori or Reggio Emilia, infant-toddler mental health, assessment tools, parent education, or issues in early childhood special education. Students should consult the Class Schedule for the topics featured each semester. Note: This course may be taken four times for credit as long as the topic is different.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 308 Child Psychology or equivalent with instructor's permission.

PSYC 311, Life Span Developmental Psychology, 4 credits

Life Span Developmental psychology reviews concepts, theories and principles of human development from conception and prenatal development through late adulthood. This course will emphasize cognitive and social development topics that will explore maturation, human growth experiences and the various stages of physical development as key components influencing human behaviors.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Prerequisite: PSYC 100 General Psychology

PSYC 367, Human Sexuality, 4 credits

This course addresses the physiological, psychological and social aspects of human sexual development, functioning and experience, with an emphasis on the diversity of human sexuality. Major theoretical approaches to understanding sexuality over the life cycle, the dynamics of intimate relationships, and the etiology of sexual health and dysfunction are explored, along with contemporary socio-sexual issues such as gender and power, sexual orientation and homophobia, AIDS and prevention education, sexual abuse and violence.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

PSYC 106, Stress Management and Wellness, 4 credits

This class focuses on theories of stress management and practical tools for reducing stress. The objectives include helping each student identify personal stressors; becoming familiar with the theories of stress management; applying cognitive and behavioral stress reduction techniques, including progressive relaxation, visual imagery, assertiveness, time management and thought stoppage; and developing a personalized stress-reduction plan. Students are evaluated in part on the basis of their complete individualized stress-reduction plan.

Other Information: Community Engagement

PSYC 580, Community Change Practicum, credits

Community engagement strategies are forefront in efforts to prevent problems in living and promote healthy communities. Students in this course will improve their analytical and practical capacity to promote comprehensive approaches to community wellness that bridge excluded cultural communities into civic processes, organizations and systems. Students will engage in community-based projects at various levels of development.

PSYC 507, Jungian: Myth, Soul and Culture, 4 credits

This course is for students interested in learning about Jungian psychology's study of mythology both on a general, introductory level and on a more focused level for those with some background or vocational interest. Concepts of the analytic psychology of C.G. Jung and the study of myth by such figures as Joseph Campbell are pursued to help students recognize and think in terms of mythic elements' influence on the world today.

PSYC 338, The Unconscious and Dreamwork, 4 credits

This course covers the history and therapy of, and therapeutic intervention with, the unconscious. It may include such topics as creativity, dreams and dream interpretation.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

PSYC 347, Positive Psychology, 4 credits

Historically, as a discipline, psychology focuses on decreasing maladaptive emotions and behaviors. As a complement to this focus, Positive Psychology seeks to identify and enhance the human strengths and virtues that make life worth living and allow individuals and communities to thrive. This research-based course will address the differences and assumptions inherent in this approach. In particular, the course will serve as an introduction to the study of positive emotions, positive character traits, and positive institutions. A distinction among the pleasant life, the good life, and the meaningful life is drawn. Topics may include happiness, hope, flow, gratitude, mindfulness, etc.

Prerequisite: PSYC 100 General Psychology or equivalent with instructor's consent.

PSYC 373, Evolutionary Psychology, 4 credits

Evolutionary psychology is a branch of psychology that explores how a variety of physiological and psychological traits have evolved through the mechanisms of natural selection and adaptation. Psychological traits such as aggression, attraction, communication, and cooperation are explored as a means of facilitating survival among humans and how human behaviors have adapted as a means of improving survival and reproductive fitness. Evolutionary psychology combines the concepts of biology, anthropology, cognitive psychology and the neurosciences to provide students with a contemporary perspective in understanding human behavior.

Reading

RDNG 350I, Reading Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the

university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

RDNG 112, The Educated Reader: Analytical Reading, 4 credits

This course is intended for students wanting to become more proficient college readers. Readings address a number of current topics from multiple perspectives. Students are exposed to materials in areas such as the social and natural sciences, business, and literature. The course emphasizes the importance of reading analytically and interacting effectively with visual information. In order to enhance their reading comprehension, students engage in ongoing communication about lengthy readings through small group discussion, in-class exercises, written assignments and periodic oral presentations. Some library work is included.

MnTC (GELS): Communication Goal (01), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisite: Students must be reading at college level or above. Note: RDNG 112 may be used as a general education elective. Community Engagement

Religious Studies

RELS 304, Introduction to World Religions, 4 credits

Understanding today's world and how nations interact requires some degree of awareness of different religious traditions. This course is an introduction to selected religious traditions and cultures through exploring the history of different religions, reading of classic texts and examination of ways of being religious in a variety of traditions. Religions studied may include Buddhism, Judaism, Islam, Christianity, Confucianism, Hinduism and Shamanistic/Indigenous traditions.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Global Perspective Goal (08)

Other Information: Community Engagement

RELS 322, American Indian Spirituality, 4 credits

American Indians have a wonderfully rich tradition of wisdom and spirituality. This course looks at the spirituality of at least two nations of American Indians from a variety of perspectives including historical, sociological, anthropological and political. Students have the option to explore other American Indian nations if desired. Some community research is expected.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06), Human Diversity Goal (07)

Other Information: Overlap: ETHS 334 American Indian Spirituality.

RELS 333, Race and Religion, 4 credits

Does religious belief matter in our daily lives? Can religious teachings and values be applied universally or must the history of the people be taken into consideration? This course explores these questions in the lives of

American racial and ethnic groups. It examines the role and function of religious belief in their struggle for survival and liberation. Topics of discussion include the concepts of identity, selfhood, community, spirituality, social responsibility, salvation and freedom. Certain religious traditions, for example, African American, American Indian and Asian American, are discussed in the light of histories of these groups.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Human Diversity Goal (o7)

Other Information: Community Engagement. Overlap: ETHS 316 Race and Religion.

RELS 308, World of Islam, 4 credits

Islam is the second largest world religion today, yet the least understood of any. This course will begin with Muhammad and the historical origins, pre-modern history, and key teachings of Islam as found primarily in the Quran. We will also consider major historical developments such as the division between the Sunni and Shia branches of the religion, in addition to the vital contributions of Islamic theology, law and mysticism (Sufism). In the second half of the semester we will address issues involving Islam in the modern period--for example, "fundamentalism" or revivalism, neo-revivalism, "religion and politics" in various countries, Islam in the West, and Islam as perceived in the West. Attention will also be given to Muslim ideas and practices regarding sexuality and gender as well as racial, ethnic and class issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6), Global Perspective Goal (o8)

Other Information: Community Engagement

RELS 301, Introduction to Religious Studies, 4 credits

This course examines various interpretations and comparative understanding of the definition of religion from perspectives of sociologist, anthropologist, psychologist and theologians. The course also explores theoretical concepts and approaches to major categories and themes in the study of religion. The main purpose of the course is to introduce students to key concepts and categories in the field of religious studies and how they influence their understanding of religious belief and experience.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Risk Management and Insurance

RMI 300, Risk Management and Insurance, 4 credits

The course explores the risk management issues facing firms and individuals and examines how to protect firm value and personal wealth. It covers the areas of the general risk management process, property and liability insurance, life and health insurance, annuities and employee benefits. The insurance industry and regulatory concerns are also addressed. In addition, the course touches on some of the new products emerging in the risk management arena and how the insurance industry responds to them.

Prerequisite: MATH 115 College Algebra, STAT 201 Statistics I

RMI 304, Life and Health Insurance, 2 credits

This course will provide students with a thorough understanding of life and health insurance and related coverages. Topics include: life insurance needs analysis, economics of life and health insurance, nature of life, health, and pension insurance, types of life insurance policies, policy and ownership analysis, life and health

insurance contract analysis, organization of commercial and social insurance, laws and regulations of life, health, and pension insurance. The course provides valuable information for anyone interested in learning about personal and business insurance needs or considering possible careers in the financial services industry.

Prerequisite: MATH 115 College Algebra, STAT 201 Statistics I

RMI 306, Property and Casualty Insurance, 2 credits

This course is designed to provide instruction that will provide student with a thorough understanding of property and casualty insurance. Topics covered include fire, homeowners, dwelling, auto, business and professional liability, crime and fidelity, worker's compensation, and applications from a personal and commercial perspective. The insurance industry and regulatory concerns are also addressed in this course.

Prerequisite: MATH 115 College Algebra, STAT 201 Statistics I

Science Education

SCED 445, The Practice of Science, 4 credits

This course focuses on the nature and history of science and the implications for the teaching of science in urban middle and high schools. It examines scientific methods, the research processes in science and scientific literature. Students study the historical development of the major themes in science and the learning of those concepts by K-12 students. They also complete a science research project. It is intended for students pursuing science teaching licensure.

Other Information: Note: Admission to the Urban Teacher Program or Department approval required to register. Sequencing this course should be taken before SCED 450 and within one semester of student teaching. Required: Completion of at least 25 credits in science teaching major.

SCED 440, Science Curriculum and Differentiated Instruction in Urban Grades K-6, 4 credits

This course prepares prospective teachers in the Metropolitan State University Urban Teacher Program to teach science in urban kindergarten to grade 6. The course will examine methods and content standards for teaching science to students in grades k-6. Included in this course is the examination of factors affecting achievement among urban learners historically underserved in science education including young girls and children from diverse cultural and linguistic backgrounds. Teacher candidates will learn approaches for enhancing instruction to improve standards-based academic achievement among urban learners. Participants will develop skills in lesson planning, instructional strategies, leading inquiry activities and assessing learning in all areas of the K-6 science scope and sequence. Urban elementary field experiences are part of the course requirements.

Prerequisite: EDU 333 Assessment of Learning in Urban Grades K-6, EDU 481 Urban Grades 1-6 Curriculum and Practicum and two science courses each from different disciplines of science.

Other Information: Community Engagement. Note: Admission to the Urban Teacher Program or department approval required to register.

Screenwriting

SCRW 313, Beginning Screenwriting, 4 credits

The process of writing narrative screenplays will be introduced through writing exercises, screenplay readings, film viewings and discussion. Writing exercises will explore creativity, individual voice and practical skills. Writing in screenplay format will also be covered. Students will finish with at least one complete short screenplay ready for production. This course provides a foundation for further study in screenwriting.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Community Engagement

SCRW 350I, Screenwriting Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as liaisons and evaluator between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, required 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

SCRW 416, Senior Projects in Screenwriting and Writing/Directing, 4 credits

In this capstone experience students will finish one of the following market ready projects that was started in a previous semester: a feature length screenplay; a long form scripted series; or a short film. Professional development topics such as business practices for screenwriters, applying for grants/fellowships, graduate school applications, and other career strategies will be covered. This is an opportunity to reflect on the undergraduate experience and plan for the future.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: SCRW 314 New Screenplay Forms, SCRW 415 Screenplay Style and Substance

Other Information: Community Engagement

SCRW 315, Film Production and Editing I, 4 credits

The course introduces the principles and practices of electronic filmmaking as a personal and creative art form. Students will engage in exercises and projects to explore and understand editing, camera work, light, composition, and sound. A variety of cinematic forms will be examined. Student screenplays may be produced. Students will film and edit individual creative projects.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement. Note: This course may be taken twice for credit.

SCRW 314, New Screenplay Forms, 4 credits

Through writing exercises and screenwriting assignments students will explore and practice writing in a variety of forms including adaptations, webisodes, scripted series, or other emerging episodic forms. Films and screenplays will be analyzed and discussed for critical and historical perspectives. Professional development opportunities will be introduced.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: SCRW 313 Beginning Screenwriting

Other Information: Note: This course may be taken twice for credit.

Sociology

SOC 317, Women in Minnesota Life: Education, Politics and Social Change, 4 credits

This course explores the roles, strategies and contributions of Minnesota women in public life, past and present. Assignments include experiential learning and investigation of community resources. Students investigate and analyze oral history, case study and traditional research methodologies and then choose the most appropriate to apply to a major project demonstrating research and critical thinking.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

SOC 305, Race and Ethnicity: Sociological Perspectives, 4 credits

This course uses comparative methods to explore the sociological significance of race and ethnicity in the United States. Theories of ethnic stratification are assessed, and students evaluate the causes and consequences of prejudice, discrimination and institutional subordination. Through the social history of a variety of ethnic groups, students examine patterns of migration and settlement, community and family life, gender and class, and cultural values and norms.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

SOC 101, Introduction to Sociology, 3 credits

This course is an introduction to the sociological perspective. Students examine the social processes that shape societies and the course of their histories. The social nature of biographies is explored through the study of the family and socialization, education and work, bureaucracy and the economy, gender, social class, and race and ethnicity.

MnTC (GELS): Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

SOC 301, Contemporary Sociology, 4 credits

This course introduces and explores the sociological perspective. The central theme of the course is what C. Wright Mills called the sociological imagination which enables us to grasp history and biography and the relations between the two within society. Students explore how they are embedded in ever widening social circles that range from local to global. The focus is on how social forces such as culture, race and ethnicity, nationality, religion, social class, and gender contribute to the shaping of societies and the course of their histories. Students use conceptual tools drawn from sociology to analyze a range of contemporary social issues.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Human Diversity Goal (07)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

SOC 310, City Life: Space, Places and Community Life, 4 credits

This course examines the changing social fabric of the U.S. city with emphasis on the making and unmaking of neighborhoods and communities. Beginning with an examination of the changing social, ethnic and economic makeup of the city, student teams conduct community-based research projects. They also investigate challenges faced by various social groups within the city and grassroots efforts for social change. Specific examples are from the Twin Cities experience.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Prerequisite: WRIT 131 Writing I or equivalent, or have instructor's permission.

Other Information: Community Engagement

SOC 325, Body Politics, 4 credits

This course examines the body and embodiment from a sociological perspective. Specifically, students analyze the body as a social, cultural, and political phenomenon, and as a lived experience. Particular attention is devoted to how gender, sexuality, race, and physical ability shape bodily experiences in contemporary U.S. society. Lecture, discussion, multimedia materials, classroom exercises, and a variety of reading materials are used to study the body in everyday life.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

SOC 319, Politics, Markets and Society, 4 credits

This course explores the contrasts and inter-relationships between three approaches to organizing our public life: democratic politics, economic markets, and the multiple associations that make up civil society. Students will investigate the basic characteristics and underlying principles of each approach and apply what they learn to an analysis of contemporary public issues. Students will evaluate the basic strengths and limits of each approach to civic engagement and public problem solving, and reflect on the ethical dimensions of their roles as citizens, consumers and members of civil society.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05), Ethical/Civic Resp Goal (09)

Prerequisite: WRIT 131 Writing I

Other Information: Overlap: POL 319 Politics, Markets and Society

Social Worker

SOWK 109, Introduction to Social Work, 3 credits

Students are introduced to the social work profession and the social welfare issues that it addresses. They learn about the history, values, theories and practices of social work which enables them to interact with social work professionals and to make an informed decision regarding their entry into social work. This course (or its equivalent) is a prerequisite to enter into the social work major and is open to all interested students.

Other Information: Community Engagement

SOWK 321, Social Work Practice I, 5 credits

This course examines frameworks for social work practice, social work values and ethics, ethnic competence in multicultural contexts and the professional relationship skills required for effective beginning social work practice.

The stages of the problem solving process are examined in detail with emphasis on working at all levels of client systems: individuals and families; groups; and communities and organizations. An understanding of theories of culture and of multicultural interventions is emphasized. Prerequisite: Admission to social work major.

Other Information: Prerequisite: Admission to social work major.

SOWK 332, Human Behavior in the Social Environment II, 3 credits

Students continue the study of human behavior and development throughout the life cycle. The course emphasizes ecological and theoretical perspectives for social work practice with culturally diverse populations and includes study of human behavior and development in middle and later adulthood. Students deepen their understanding of human diversity by examining ethnocentrism and racism, gender roles and sexism, and sexual orientation. Students apply the ecological model to better understand how social structures influence persons from diverse populations. Students demonstrate an in-depth understanding of their own racial ethnic group and another, drawing on literature, history, philosophy, religion and the arts to augment their social science-based cultural analysis.

Prerequisite: SOWK 331 Human Behavior in the Social Environment I and admission to the social work major.

SOWK 351, Social Research, credits

The social work program research curriculum emphasizes applying research findings to social work interventions, assessing the effectiveness of programs and policies, and assessing one's own practice at all levels. Special attention is paid to students' developing competence in comparative racial/ethnic analysis and in gender and class awareness. Social Research is the first of a two-course research sequence in the Social Work program curriculum and is taken at the end of the first year of the program. Students learn a range of social research theories and methods and then have the opportunity to apply them to social work practice. They apply research findings to a real-world situation either by implementing a single system research design or by conducting a program or policy evaluation. Prerequisite: Admission to social work major.

Other Information: Prerequisite: Admission to social work major. Community Engagement

SOWK 381, Community Learning Center Seminar, credits

Faculty facilitate the learning of small groups of students assigned to the community learning center field practicum. The field seminar offers students opportunities to integrate social work knowledge, skills and values within a culturally specific context. The seminar is largely experiential and focuses on helping students apply social work theories to real-world settings. Within this group process, students develop a learning contract for the field practicum; share knowledge and experiences in the field practicum; and discuss issues and topics in social work identified within the field setting. Students are expected to share thoughts and feelings on adjusting to a professional role; and they are expected to share their awareness of human diversity as it relates to the social work profession.

Prerequisite: SOWK 321 Social Work Practice I, SOWK 331 Human Behavior in the Social Environment I, SOWK 341 Comparative Racial/Ethnic Analysis I and admission to the social work major.

Corequisite: SOWK 391 Community Learning Center Practicum

Other Information: Community Engagement. Note: The instructor arranges schedules and student placements.

SOWK 522, Social Work Practice II, 5 credits

This course emphasizes the theories and skills necessary for social workers to practice effectively at the community and governmental levels and professional ethics and legal responsibilities in individual and family work. Using a case study approach, students apply change and comparative analysis theories in multicultural community projects and in the state legislature. Students also critique psychosocial assessments and

interventions of simulated case studies using social work ethics and legal responsibilities as a guide.

Prerequisite: SOWK 321 Social Work Practice I, SOWK 331 Human Behavior in the Social Environment I, SOWK 332 Human Behavior in the Social Environment II, SOWK 341 Comparative Racial/Ethnic Analysis I, SOWK 351 Social Research, SOWK 360 Social Welfare History and Policy, SOWK 381 Community Learning Center Seminar, SOWK 391 Community Learning Center Practicum and admission to the social work major.

Other Information: Community Engagement

SOWK 552, Community Research and Advocacy, credits

This course is the second course in the research sequence and is offered at the end of the senior year. Students conduct a major advocacy research project focusing on an issue of concern to a community of color within the Twin Cities. Students learn to apply research theories, practice racial/ethnic analysis and social change to a real-life situation.

Prerequisite: SOWK 351 Social Research, SOWK 522 Social Work Practice II, SOWK 542 Comparative Racial/Ethnic Analysis II, STAT 201 Statistics I

Other Information: Community Engagement

SOWK 591, Social Work Senior Practicum, credits

Social work majors are involved in supervised social work practice in the Twin Cities for 20 hours weekly during the last semester of their senior year. Faculty assign students to an agency or setting based on students' needs and interests, and the capacity of the agency or setting to meet those needs. Students practice social work in at least two of the following categories: individuals, families, groups, organizations or communities. Master's-prepared community social workers supervise the students' practica. Students are expected to contribute their knowledge of social work practice with people of color, acquired through their junior year social work curriculum to enrich the agency or setting and its services. Prerequisites: Completion of all major requirements.

Corequisite: SOWK 582 Social Work Capstone Seminar

Other Information: Prerequisites: Completion of all major requirements.

SOWK 542, Comparative Racial/Ethnic Analysis II, 2 credits

This course, taken at the beginning of a social work student's senior year, expands the structural framework for comparative racial/ethnic analysis learned in SOWK 370 Comparative Racial/Ethnic Analysis I. Students examine the strengths and limitations of a major social work intervention theory and develop strategies for combining theoretical and practical approaches to respond to real-world situations, settings, clients and cultures within communities of color and other populations at risk.

Prerequisite: SOWK 321 Social Work Practice I, SOWK 331 Human Behavior in the Social Environment I, SOWK 332 Human Behavior in the Social Environment II, SOWK 341 Comparative Racial/Ethnic Analysis I and admission to the social work major.

SOWK 582, Social Work Capstone Seminar, credits

Students examine the field practicum experience in a mainstream agency, applying theories they have acquired throughout the program. Students write a major integrating paper on generalist multicultural social work practice. Note: Should be taken along with SOWK 552 Community Research and Advocacy.

Corequisite: SOWK 591 Social Work Senior Practicum

Other Information: Note: Should be taken along with SOWK 552 Community Research and Advocacy.

SOWK 391, Community Learning Center Practicum, credits

Social work majors are immersed in one of the Twin Cities communities of color in the second semester of their program. They spend 20 hours weekly in a community learning center. In this experience, students engage in supervised direct-practice activities with organizations, communities, groups, families and individuals. They apply comparative racial/ethnic analysis theories and critique the usefulness of academic theory to practice in a community of color.

Prerequisite: SOWK 321 Social Work Practice I, SOWK 331 Human Behavior in the Social Environment I, SOWK 341 Comparative Racial/Ethnic Analysis I

Corequisite: SOWK 381 Community Learning Center Seminar

Other Information: Note: The instructor arranges schedules and student placements. Community Engagement

SOWK 583, Analysis Application of Social Work Knowledge and Skills, 1 credits

Social workers review in a structured supportive environment the knowledge and skills necessary to provide a safe level of practice in accord with the Minnesota State Board of Social Work requirements for B.S.W. level licensure.

Prerequisite: B.S.W. degree or senior status in social work major.

Other Information: Prerequisite: B.S.W. degree or senior status in social work major.

SOWK 584, Multicultural Child Welfare Field Seminar, credits

This course is designed to facilitate student learning through small student groups assigned to a special multicultural child welfare learning center. The Multicultural Field Seminar offers students the opportunities to explore and discuss the various facets of public child welfare, while integrating social work knowledge, theories and skills through a multicultural framework. This seminar discusses real clients, with real life changing needs. Students will be required to apply their cultural competency and critical thinking skills in processing client experiences at the micro, meso, and macro levels. Students are further expected to develop learning contracts that guide their own development in the field practicum; work together on a group project; share knowledge and process experiences, and continually discuss their adjustment in the field practicum. Prerequisites: Senior status in the Social Work program

Other Information: Community Engagement. Prerequisites: Senior status in the Social Work program.

SOWK 592, Multicultural Child Welfare Senior Practicum, credits

Senior social work majors who are admitted to the Multicultural Child Welfare Project are placed for their senior practicum at Ramsey County Community Human Services for an extensive child welfare experience. Students are involved in supervised social work practice in this setting for 20 hours weekly during the last semester of their senior year. Students will have the opportunity to practice social work in at least two of the following categories: individuals, families, groups, organizations or communities. The scope of the environmental experience is from family preservation and child protection to foster care and adoption. A master's-prepared social worker will supervise the students' practica. Students are expected to contribute their knowledge of social work practice with people of color, acquired through their junior year social work curriculum to enrich the agency or setting and its services. Prerequisites: Completion of all major requirements.

Other Information: Prerequisites: Completion of all major requirements. Community Engagement

Spanish

SPAN 102, Beginning Spanish II, 4 credits

This course sequence builds and develops the communication skills, grammar and cultural knowledge needed to read, speak and understand Spanish at a low-intermediate level.

MnTC (GELS): Global Perspective Goal (o8)

Other Information: Prerequisite: Normally the prior course in the sequence; this requirement may be waived with the instructor's consent.

SPAN 201, Intermediate Spanish I, 4 credits

This course sequence builds on the principles and skills mastered in SPAN 101 and 102, Beginning Spanish I and II, with more focus on written and oral expression, from a high-intermediate level to an advanced level.

MnTC (GELS): Global Perspective Goal (o8)

Other Information: Prerequisite: Normally students should have already completed two semesters of college-level Spanish; this requirement may be waived with the instructor's consent.

SPAN 202, Intermediate Spanish II, 4 credits

This course sequence builds on the principles and skills mastered in SPAN 101 and 102, Beginning Spanish I and II, with more focus on written and oral expression, from a high-intermediate level to an advanced level.

MnTC (GELS): Global Perspective Goal (o8)

Other Information: Prerequisite: Normally the prior course in the sequence; this requirement may be waived with the instructor's consent.

Social Science

SSCI 501, Great Ideas: Classics of Social Science, 4 credits

The social sciences have been shaping views of the human condition for more than 150 years. This seminar explores those ideas that continue to engage and perplex thoughtful observers of social life. Students become acquainted with writing by major thinkers like Karl Marx, Max Weber, Emile Durkheim, Georg Simmel, Sigmund Freud, Ruth Benedict, Frantz Fanon and Hannah Arendt. The course addresses the social and historical roots of the great ideas as well as the moral aspirations and creative impulses of these social scientists.

Prerequisite: SSCI 300 Seeing Like a Social Scientist, SSCI 311 Research Methods in Social Science, WRIT 231 Writing II

Other Information: Note: Senior status required.

SSCI 311, Research Methods in Social Science, 4 credits

This course provides an introduction to the basic concepts of social science research. Students learn and implement a variety of research methods, and critically reflect on the relationship of these methods to philosophical traditions within social science. The course examines two approaches to social science research, quantitative and qualitative, and the unique contribution of each approach for understanding social life. Classroom learning is enhanced by experiential activities.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (o5)

Prerequisite: SSCI 300 Seeing Like a Social Scientist, WRIT 131 Writing I or equivalent, or have instructor's permission.

SSCI 365, Social Science Internship: Leadership in Organizations and Public Life, credits

Students gain experience in applied social science while working as an intern in a non-profit or community-based organization, the public sector, or a social action group. Prior to registering, students meet with the instructor to select their specific internship project. Students supplement their specific field experience with participation in the group internship seminar which meets five times during the semester. Through this combination of extensive community-based experience and guided reading, writing and analysis, students develop their ability to integrate social science theory with community-based experience.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Hist/Soc/Behav Sci Goal (05)

Other Information: Community Engagement

SSCI 300, Seeing like a Social Scientist, 4 credits

Most of us are only dimly aware of how politics, culture, and society influence, and often coerce, our daily lives. The calling of a social scientist is to help us make these invisible social structures visible. In this course, students develop the skills and tools to discover, analyze, and interpret these obscure social processes. Ideally, this knowledge will have a liberating effect on their individual lives. Students will also perceive how their civic and ethical participation can change politics, culture, and society, as well as themselves.

Prerequisite: WRIT 131 Writing I

Social Studies Education

SSED 450, Teaching Social Studies in Urban Grades 5-12, 4 credits

This course provides teacher candidates with a variety of approaches to organizing a social studies curriculum in grades 5-12, and multiple instructional methods for effective teaching in the urban, multicultural classroom. Knowledge of the core social studies disciplines (i.e., history, geography, government, and economics) will be applied by planning and discussing units and lessons that include a variety of instructional methods and authentic assessment to enhance student learning. Knowledge of American Indian history, culture, language and government will be applied in order to meet state teaching standards. Opportunities for practice teaching mini lessons will be afforded to enhance skill development as an urban teacher. Differing perspectives will be explored regarding the purpose of social studies education for democratic citizenship in a rapidly changing, increasingly diverse and interdependent, society and world. Clinical field experience hours are part of the course requirements.

Prerequisite: EDU 300 Assessment of Learning and Teaching in Urban Grades 5-12, EDU 306 Urban Middle School and High School Methods and at least 24 credits of social studies courses required for the Social Science Teaching major.

Other Information: Note: Admission to Urban Teacher Program or department approval required to register. Sequencing this course should be taken within one semester of student teaching. Corequisite: EDU 450 Advanced Urban Teaching Practicum and Seminar.

Statistics

STAT 201, Statistics I, 4 credits

This course covers the basic principles and methods of statistics. It emphasizes techniques and applications in real-world problem solving and decision making. Topics include frequency distributions, measures of location and variation, probability, sampling, design of experiments, sampling distributions, interval estimation, hypothesis testing, correlation and regression.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04)

Prerequisite: MATH 098 Introduction to Mathematical Thinking, MATH 099 Developmental Mathematics Using Web-Based Technology, MATH 102 Mathematics of Sustainability, MATH 115 College Algebra

Other Information: Pre-Requisites: A grade of C- or higher in MATH 98 or MATH 102, or placement at MATH 115 College Algebra on the mathematics assessment test offered by Placement Assessment Office.

STAT 321, Biostatistics, 4 credits

This course covers fundamental and intermediate topics in biostatistics, and builds on the ideas of hypothesis testing learned in STAT 201 (Statistics I). The focus is on learning new statistical skills and concepts for real-world applications. Students will use SPSS to do the analyses. Topics include designing studies in biostatistics, ANOVA, correlation, linear regression, survival analysis, categorical data analysis, logistic regression, nonparametric statistical methods, and issues in the analysis of clinical trials.

MnTC (GELS): Mathematical/Logical Reasoning Goal (04), Upper Division Liberal Studies Goal (LS)

Prerequisite: STAT 201 Statistics I or equivalent; STAT 251 Statistics Programming I or permission of instructor.

STAT 251, Statistics Programming I, 2 credits

This course covers basic statistical programming techniques in data manipulation, data exploration and graphing using the statistical software SPSS. Topics of this course include reading raw data, reading data from files, saving formatted output, data transformation, data file manipulation, and generating statistical graphs and descriptive statistics. This course builds on the knowledge learned in STAT 201 (Statistics I).

Prerequisite: STAT 201 Statistics I, WRIT 131 Writing I or equivalent.

STAT 252, Statistics Programming II, 2 credits

This course covers advanced statistical programming techniques in hypothesis testing using the statistical software SPSS and R. Topics of this course include performing T-tests, Z-tests, Chi-square tests, and simple linear regression using SPSS and R. This course builds on the knowledge learned in STAT 201 (Statistics I) and STAT 251.

Prerequisite: STAT 251 Statistics Programming I or approved by instructor as the pre-requisite., WRIT 131 Writing I or equivalent.

Theater

THEA 350I, Theater Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper knowledge, skills and the context of a given field. Site supervisors give guidance and direction to customized internship projects. Faculty members serve as liaisons between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits,

requiring forty work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours scheduling, depending on the nature of the internship and site preferences.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

THEA 331, Voice: Speaking from Experience, 4 credits

In this course, students who wish to use their voices more expressively work through a variety of methods from relaxation and breathing exercises to personal storytelling and the practice and analysis of poetry, prose and drama. Students work to develop resonance, range, and support and to relearn effective habits of vocal expression.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01)

Other Information: Community Engagement

THEA 346, Topics, credits

Studies in selected areas of theater art. (See class schedule for current topics.)

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01)

Other Information: Community Engagement

THEA 445, Advanced Acting, 4 credits

Art is in the becoming." In this class students move beyond a basic understanding of acting and toward a more complete connection between the role and the actor. A continuation of THEA 345 Acting III, students work further to develop the ability to sustain focus of attention, to concentrate energy and to deepen their understanding of character motivation and subtext. Students may have the opportunity to audition for directing class projects which rehearse outside of class time. This class may be taken twice for credit.

Prerequisite: THEA 345 Acting III or instructor's permission.

THEA 540, Directing and Creating Theater, 4 credits

Learn to analyze script, work with actors, construct a prompt book, and use the director's tools to elevate the written script to dramatic action. Students initially explore the possibilities of realistic drama with the option in the second half, to move on to original creations, collaborations or other styles of theater. All work is under the guidance of a director, toward the evolution of the specific theater piece. This class may be taken twice for credit.

Other Information: Community Engagement

THEA 321, Directed Readings in Theater, 4 credits

This course uses full length play scripts, videos of plays and film adaptations to tour the rich traditions of the theater. Students are required to demonstrate reading knowledge of all plays on their individual reading/viewing list, through on line discussions, and the focused analysis of six short questions for each play read or seen. This class can be done at home or on site at the teaching center, and may be taken for a maximum of eight credits.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (06)

Other Information: Community Engagement

THEA 351, Production and Performance Laboratory, credits

Two credits of off stage production support are required for the major and minor. Students enrolled in advanced acting/directing classes or working on season productions or special performance projects under faculty guidance may receive credit for rehearsal time spent out of the regular class period. Students cast in directing class scenes may also receive credit. Note: Students may take up to eight credits over time. Prerequisite: Instructor's permission if not enrolled in directing or advanced acting class.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Note: Students may take up to eight credits over time. Prerequisite: Instructor's permission if not enrolled in directing or advanced acting class. Community Engagement

THEA 387, Theater History II: Contemporary, 4 credits

This course is for students interested in the implications of modern drama on our contemporary world. In this class, students explore some of the most exciting plays in modern and contemporary drama and experience the incredibly rich variety of theater offerings within their own community.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Humanities/Fine Arts Goal (o6)

Other Information: Community Engagement

Workshop

WKSP 002, Online Orientation for New Students, 0 credits

After completing admission requirements and receiving notification of acceptance to Metro State, degree-seeking students are required to register for and complete Online Orientation. This must be completed prior to being able to register for classes. Online Orientation introduces students to academic support systems, GELS (general education/liberal studies) requirements, creative learning strategies, career services, scholarship and financial aid information, diagnostic assessment information, advising and student services, and student clubs and programs and much more. **Additionally, you may choose to attend an optional on-campus Group Advising and Registration (GAR) session. GAR sessions provide students group level advising and the chance to meet in their college groups to receive program major and minor information.

Other Information: Note: Entering Student Fee: \$40. Sign-in for Group Advising and Registration (GAR) sessions begins 30 minutes prior to start time. Students are strongly encouraged to attend the earliest possible GAR date.

** Students with 16 or fewer credits or admitted on Academic Probation are required to attend an on-campus GAR session. All students are required to complete the new student online orientation and may attend an optional group advising and registration session. The nonrefundable fee is used to improve the overall student transition experience at Metropolitan State University and additional first semester student support programming. To register for the required orientation and optional advising session, please submit your request at <http://metro-gateway.custhelp.com/ci/documents/detail/2/nso-1>

WKSP 001, New Student Group Advising and Registration, credits

After completing admission requirements and receiving notification of acceptance to Metro State, degree-seeking students are required to register for and complete Online Orientation. In addition to completing Online Orientation, you may choose to attend an optional on-campus Group Advising and Registration (GAR) session. GAR sessions provide students group level advising and the chance to meet in their college groups to receive program major and minor information. Students with 16 or fewer credits or admitted on Academic Probation are required to attend an on-campus GAR session.

Other Information: Note: The Entering Student Fee: \$40 charged for Online Orientation covers the cost of this

session. Sign-in for Group Advising and Registration (GAR) sessions begin 30 minutes prior to start time. Students are strongly encouraged to attend the earliest possible GAR date. To register for the required online orientation and the optional GAR advising session, submit your request at <http://metro-gateway.custhelp.com/ci/documents/detail/2/nso-1>

WKSP 009C, Job and Internship Fair Registration, 0 credits

Annual Job and Internship Fair at the Minneapolis Convention Center for students and alumni of all seven Minnesota State Universities, including Metropolitan State University.

Writing

WRIT 350I, Writing Individual Internship, credits

Students obtain internships in selected areas of study to gain deeper understand of knowledge, skills and the context of a given field. Faculty members serve as evaluators and liaisons between the internship sites and the university, providing information to students and potential supervisors and supervising the learning experience. Internships normally earn between one and four credits, require 40 work hours per credit, and may be served through a standard hours/work schedule or with flexible work hours.

Other Information: Note: Students must have secured an internship site and have an approved Internship Agreement form before registering. For information on internship resources, guidelines and forms go to: www.metrostate.edu/ices click on academic internships. Grading is Pass/No credit only.

WRIT 131, Writing I, 3 credits

This course is an introduction to expository writing principles and processes. Students develop skill at analyzing audiences, generating ideas, organizing and developing thoughts, drafting sentences, and revising and handling mechanics. Students write, revise and edit extensively. Prerequisite: Placement in WRIT 131 Writing I or WRIT 132 Written and Visual Communication on the writing assessment offered by Placement Assessment Office.

MnTC (GELS): Communication Goal (01)

Other Information: Community Engagement. Prerequisite: Placement in WRIT 131 Writing I or WRIT 132 Written and Visual Communication on the writing assessment offered by Placement Assessment Office.

WRIT 231, Writing II, 3 credits

In this course, students learn strategies to critically analyze a variety of texts and essays; to understand how audience and social/cultural factors shape writing; and to research, evaluate, interpret, paraphrase, quote and summarize texts. Students write and revise several papers and critique the work of other students.

MnTC (GELS): Communication Goal (01)

Prerequisite: WRIT 131 Writing I, WRIT 132 Written and Visual Communication or placement in a 200-level writing course on the writing assessment offered by Placement Assessment Office.

Other Information: Community Engagement

WRIT 261, Business Writing, 3 credits

This course focuses on effective, persuasive communication within and between business organizations, from the perspective of employees and of managers. Students learn to critically analyze communication strategies, organizational cultures and common business texts, such as memos, reports and case studies; they learn to select quality data from primary and secondary sources; and they write and edit letters, memos, reports and studies in situations that simulate the complexities of small companies and global corporations.

MnTC (GELS): Communication Goal(01)

Prerequisite: WRIT 121 Writing I Intensive, WRIT 131 Writing I, WRIT 132 Written and Visual Communication or placement in a 200-level writing course on the writing assessment offered by Placement Assessment Office.

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for WRIT courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites. Contact CWA Advising at 651.999.5965 for information.

WRIT 271, Technical Writing, 3 credits

In this course, students create a variety of documents, including technical memos, manuals, proposals and reports. Emphasis is placed on document design, effective organization and readability. This course especially benefits managers or technical employees who need to communicate technical information to business or general audiences.

MnTC (GELS): Communication Goal(01)

Prerequisite: WRIT 121 Writing I Intensive, WRIT 131 Writing I, WRIT 132 Written and Visual Communication or placement in a 200-level writing course on the writing assessment offered by Placement Assessment Office.

Other Information: Community Engagement

WRIT 251, Introduction to Creative Writing, 3 credits

This course provides an introduction to the elements of writing short fiction, poetry, and creative non-fiction. Students learn a variety of approaches to creative writing in a cooperative class environment.

MnTC (GELS): Humanities/Fine Arts Goal (06)

Prerequisite: WRIT 131 Writing I, WRIT 132 Written and Visual Communication or placement in a 200-level writing course on the writing assessment offered by Placement Assessment Office.

Other Information: Community Engagement

WRIT 583, Writing Major Projects, 4 credits

This independent study examines the principles and techniques of writing substantial professional or creative projects such as longer business documents, articles, grant applications, proposals, and works of fiction or creative non-fiction. Through consultations with the instructor, students determine their specific organizational or stylistic problems. Evaluation is based on written projects. Students should have in mind a writing project of either one long piece or several short ones on related topics. Course may be repeated for credit.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisite: A 300-level writing course or instructor's consent.

WRIT 371, Editing, 4 credits

This course covers editing principles and techniques. Topics include how readers use and comprehend texts, the editor's role in the publication process, the writer/editor relationship, and editing for organization, format, style, grammar, punctuation, usage, consistency and accuracy. Students edit a variety of texts, including technical documents and newsletter articles in print and online.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisite: A 3 credit 200- or 300-level writing course AND WRIT 280 Digital Tools for Writing and Communication or instructor's consent. Recommended: or equivalent.

WRIT 461, Writing and Technical Communication Capstone, 4 credits

This class provides a bridge between academic study and professional careers in writing or technical communication. Students assess and reflect on their academic study; research and write a non-fiction essay, produce a capstone project, and complete a writer's portfolio. Projects may focus on a wide range of topics, including writing-related careers.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisites: At least 24 credits in the Technical Communication and Professional Writing (TCPW) major, or instructor's consent. Community Engagement

WRIT 331, Writing in Your Major, 4 credits

Primarily for students who have completed their writing requirement, but who seek further writing instruction and practice, this course begins with a brief review of the principles of academic writing. It then engages students in the thinking and writing required in various disciplines throughout the university. Students study and practice summary, explanation, analysis, interpretation and other critical strategies used to write essays, reports, research papers, case studies and other texts. The course also emphasizes understanding how audience, purpose and situation shape writing. Students learn how to use a flexible process of writing and revision to complete assignments, and how to respond constructively to the writing of others.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), Communication Goal (01), General Education/Liberal Studies Elect. Goal(EL)

Prerequisite: WRIT 231 Writing II, WRIT 261 Business Writing, WRIT 271 Technical Writing or instructor's consent., NURS 364 Nursing Leadership I

Other Information: Community Engagement

WRIT 575, Environmental Communication, 4 credits

This course focuses on environmental communication which encompasses a multidisciplinary viewpoint. The course helps students understand how environmental issues and conflicts develop, the values underlying the perspectives on these issues, how these values are presented, and the scientific and technical information involved in understanding environmental communication.

MnTC (GELS): Upper Division Liberal Studies Goal(LS) , People/Environment Goal(10)

Prerequisite: WRIT 231 Writing II, WRIT 261 Business Writing, WRIT 271 Technical Writing or equivalent with instructor's consent.

Other Information: Pre-Requisite: Successful completion of Goal 1 Communication. Community Engagement

WRIT 352, Writing Memoir and Creative Nonfiction, 4 credits

This course focuses on writing memoir as well as specialized nonfiction genres such as biography, and nature or travel writing. Students read and discuss pieces by professional writers, learn to create and revise their own work, and comment on each other's writing. This course may be repeated for credit.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: WRIT 251 Introduction to Creative Writing or equivalent with instructor's consent.

WRIT 121, Writing I Intensive, 5 credits

This course is the same as WRIT 131 Writing I except that sentence and paragraph structure are covered in more detail. First semester students may take this course instead of WRIT 131. Only three credits may be counted toward the general education writing requirement (the other two credits do not count toward any general education requirement). This course is an introduction to expository writing principles and processes. Students develop skill at analyzing audiences, generating ideas, organizing and developing thoughts, drafting sentences, and revising and handling mechanics. Students write, revise and edit extensively.

MnTC (GELS): Communication Goal(01)

Other Information: Prerequisite[s]: Completion of the equivalent of ENG 090 or placement in WRIT 131 Writing I or WRIT 132 Written and /Visual Communication on the writing assessment offered by Placement Assessment Office. Community Engagement

WRIT 372, Document and Information Design I, 4 credits

Methods and techniques of document and information design, including principles of graphic design, audience analysis, portfolio development, and use of professional software tools.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal(EL)

Prerequisite: WRIT 131 Writing I, WRIT 231 Writing II, WRIT 371 Editing, WRIT 131 Writing I, WRIT 261 Business Writing, WRIT 371 Editing, WRIT 131 Writing I, WRIT 271 Technical Writing or equivalent., WRIT 371 Editing

Other Information: Recommended: WRIT 280 Digital Tools for Writing and Communication or equivalent. Community Engagement

WRIT 393, Literacy Corps Group Internship: Family Literacy, credits

The goals of the Family Reading Program are to encourage parents and children to read together, and to educate Metropolitan State interns in literacy and community service. Interns read and share books with Dayton's Bluff families. Interns also participate in a training seminar and a reflective seminar, which includes reading about literacy and volunteer service, keeping a journal, and writing one or more essays. The internship takes place evenings at Dayton's Bluff Elementary, Saint Paul.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Note: Contact the Institute for Community Engagement and Scholarship (ICES) at 651-793-1285 or community.engagement@metrostate.edu for further information and details on how to register.

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WRIT 392, Literacy Corps Group Internship: Literacy Tutors, credits

The Literacy Tutors Program aims to help improve reading levels and to rekindle children's interest in reading, as well as educate Metropolitan State interns in literacy and community service. Interns read and share stories twice a week with elementary school children at Dayton's Bluff Elementary, Saint Paul, or Green Central, Minneapolis. Interns also participate in a training session and a reflective seminar, which includes reading about literacy and volunteer service, keeping a journal, and writing a reflective essay.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement, Note: Contact the Institute for Community Engagement and Scholarship (ICES) at 651-793-1285 or community.engagement@metrostate.edu for further information and details on how to register.

WRIT 373, Writing and Designing for the Web I, 4 credits

This course introduces students to the principles, processes, and techniques of front-end Web development. Students gain solid knowledge and practical skills in HTML, CSS, website genres, design patterns, Web writing, and usability. Students will analyze and build websites. Students must already possess basic satisfactory digital

literacy, such as managing files and folders, and adding and removing programs.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal(EL)

Prerequisite: WRIT 131 Writing I, WRIT 231 Writing II, WRIT 371 Editing, WRIT 372 Document and Information Design I or instructor's consent for any prerequisite.

Other Information: Prerequisite: Completion of Goal 1, WRIT 280 Digital Tools for Writing and Communication, WRIT 371 Editing, WRIT 372 Document and Information Design I or instructor's consent for any prerequisite.
Community Engagement

WRIT 101, Introduction to College Writing, 3 credits

This course is designed for students who may not have recently taken a college-level writing course or who have been placed in the class as a result of the writing assessment. Students write short essays and work on developing and organizing ideas, composing well-structured paragraphs, and writing clear sentences.

MnTC (GELS): General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement. Prerequisite: Placement on the writing assessment offered by Diagnostic Services. This course cannot be used to meet any general education requirement.

WRIT 341, Writing the News in a Digital World, 4 credits

In this course, students analyze principles and methods of news gathering and reporting for web, broadcast and print news media. They then prepare a weekly schedule of reporting assignments, similar to those that might be completed by a newsroom intern. Students also complete several major assignments employing various news writing styles for digital, broadcast and print media.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Prerequisite: A 3 credit 200- or 300-level writing course and WRIT 280, Digital Tools for Writing and Communication, or instructor's consent.

WRIT 377, Writing Proposals and Grants, 4 credits

This course offers a rhetorically-based, process-oriented approach to strategic, effective writing of proposals and grants for individuals and organizations. The course is designed primarily for writers, artists and technical communicators who expect to find themselves, as freelancers or as employees, seeking funding for a variety of programs and projects in academic, nonprofit or corporate situations. This course provides a systematic process for analyzing audiences, writing needs statements and finding sponsors all within an electronic context.

Other Information: Prerequisite: A 3 credit 200- or 300-level writing course AND WRIT 280 Digital Tools for Writing and Communication or instructor's consent.

WRIT 280, Digital Tools for Writing and Communication, 2 credits

This class begins with students self-assessing their digital skills in several areas, including design for print and digital documents; web tools; visual tools; and project management tools. Students work with the instructor to create a learning contract with the goal of acquiring tools in a certain number of these areas. In order to acquire knowledge of these tools, students complete online tutorials. Only offered S/N.

WRIT 301, Professional and Technical Writing Careers, 2 credits

Students learn about the skill set required to succeed professionally and how they might acquire these skills through coursework. They also learn about career opportunities for professional writers and technical communicators through presentations by guest speakers and readings. Students also begin to develop an online portfolio.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Other Information: Community Engagement

WRIT 573, Writing and Designing for the Web II, 4 credits

This course builds on knowledge and skills learned in WRIT 373 (e.g., HTML, CSS, web writing) and expands training of technical skills and Web development strategy. Advanced topics include content strategy, responsive design for mobile interfaces, information architecture, user experience, and extensive training of HTML, CSS, JavaScript and jQuery. Elements of Web strategy and collaborative work are also covered. Students use professional software tools. Students must possess intermediate or advanced digital skills.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: WRIT 373 Writing and Designing for the Web I or equivalent experience with instructor permission.

Other Information: Note: Students are responsible to both be aware of and abide by prerequisites for WRIT courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites. Contact CWA Advising at 651.999.5965 for information.

WRIT 001, Industry Standard Tools for Technical Communication Workshop, credits

This workshop assists graduate students in the MS Technical Communication program in acquiring skills and knowledge of professional tools.

Other Information: Note: Graduate status and member of Masters Technical Communication program or instructor permission.

WRIT 577, Design of User Experience, 4 credits

This course introduces students to design of user experience. Students learn how to discover user needs and desires and conceptualize designs that provide excellent user experience.

MnTC (GELS): Upper Division Liberal Studies Goal (LS), General Education/Liberal Studies Elect. Goal (EL)

Prerequisite: WRIT 372 Document and Information Design I or instructor permission.