



COURSE DESCRIPTIONS

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* indicates a prerequisite course is required

ACCOUNTING

The mission of the Accounting department is to provide students with an opportunity to be trained in the broad range of accounting skills necessary for the business marketplace. Students will be provided with necessary accounting and analytical skills within a professional and ethical learning environment that will prepare them for the modern business world.

ACCT 1099 1–3 credits

Special Topics

Study of special topics in Accounting. Special course topics will be announced in the class schedule.

ACCT 2001 3 credits

Financial Accounting I

Accounting is the language of business. It is a means of taking financial data and turning it into financial information which can then be communicated to internal and external parties. Students will learn how to communicate via the balance sheet, income statement and any notes to these statements that will guide users in their decision making. This course focuses on the process of how to record, classify, measure, analyze and report business data to all end users whether internal or external.

ACCT 2002* 3 credits

Financial Accounting II

As a continuation of ACCT 2001, this course introduces accounting concepts needed for measuring and reporting long-term assets; partnerships and corporations; long-term liabilities; statement of cash flows; financial statement analysis; , touching on investments, international operations and introducing managerial accounting concepts. (Prerequisite: ACCT 2001 or consent of instructor).

ACCT 2005* 3 credits

Managerial Accounting

This course introduces the foundations of managerial accounting. The emphasis is on management's use of accounting information for planning, controlling, and decision making. Topics covered include cost behavior, an overview of job order and process costing, cost volume profit analysis, budgeting, cost analysis, and capital budgeting decisions. (Prerequisite: ACCT 2001 Financial Accounting I).

ACCT 2090 3 credits (2 lecture, 1 lab)

Volunteer Income Tax Assistance

Provides volunteer experience preparing tax returns for low and moderate income area residents through both classroom and hands-on training.

DIBAAJIMOWINAAN (AMERICAN INDIAN STUDIES)

The Dibaajimowinaan (American Indian Studies) department mission is to provide for understanding of the historical and contemporary issues surrounding the Anishinaabe people of Minnesota. Issues include, but are not limited to, the history, migration, culture, and traditions of the Anishinaabe of Minnesota and surrounding states. Other issues explored include treaty rights, myths, customs, and philosophy of the Anishinaabe way of life.

AMIN 1020 3 credits (2 lecture, 1 lab)

Foundations of Anishinaabe & American Educational Systems

This course introduces prospective teachers to the profession of education. The major purpose is to help students clarify their thoughts and feelings about becoming a professional educator. An overview of the topics includes tools and techniques of teaching, students and classroom management, pedagogy and the history of the U. S. and Anishinaabe education. An introduction of MN graduation standards, curriculum and incorporating Anishinaabeg curriculum into the classroom will also be covered. This course prepares candidates for the entrance into the Teacher Education Program, including the first stages of the education assessment portfolio, which is referred to as the EdTPA. (Meets MnTC goal area 8).

AMIN 1030 2 credits

Wigwametry

This course provides early childhood education (ECE) candidates with science, technology, engineering, arts, and math (STEAM) methodology and content centered on a project-based learning activity entitled "Wigwametry." Students will learn to modify concepts in constructing scale models and life size structures to early childhood learning activities. Students will explore indigenous science principles of green engineering and create age-appropriate learning experiences for children, based on the mathematics of circles and spheres. Students will develop problem solving situations for children to analyze characteristics of area and volume, matching, attributes, and patterns.

AMIN 1035 2 credits

Anishinaabe Seasonal Science

This course introduces prospective students to early childhood education with a focus on STEAM (Science, Technology, Engineering, Art, and Math). This course will explore seasonal Anishinaabe activities and link them to National Professional Standards and Competencies for Early Childhood Educators and Minnesota Professional Licensure and Standards Board (PELSB). Ideas for integrating seasonal activities and learning competencies in an early childhood classroom setting will be explored, analyzed, and developed. Course material incorporates the CIRCLES curriculum as well as the college Cultural Standards (Gidizhitwaawinaanin).

AMIN/ART 1045 **3 credits (1 Lecture, 2 lab)**
American Indian Art

This course is designed to increase awareness of American Indian culture through the study of the basic elements of creative art. The relationship between elements of design and traditional art from the Anishinaabe culture will be stressed, including sewing, beadwork and leatherwork. (Any combination can be worked in here). (Meets MnTC goal area 6).

AMIN 1050 **3 credits**
Anishinaabeg of Lake Superior

This course is designed to familiarize students with the indigenous people of the Lake Superior region: The Ojibwe-Anishinaabe. Exploring the philosophical and social changes that occurred as a result of contact and colonization, topics range from pre-contact to the activism of the 1960s. Among the topics covered are philosophy, the oral tradition, migration to the Great Lakes region, fur trade, assimilation policies, the federal trust responsibility and sovereignty. Through multiple resources students examine the historical antecedence underlying Indian/White relations as it exists today. The class is comprised of online lecture, discussion, text and online readings, and assigned activities. Out-of-class activities encourage interaction and exploration of the local culture as well as broadening student awareness and increasing contact with tribal members. As an "intro" course the overall mission is to explore the philosophical worldview and rich background of the Ojibwe-Anishinaabe people through both direct and indirect means. The course encourages students to develop critical thinking and critical reading skills, and develop their writing and technology skills. (Meets MnTC goal areas 7 and 9).

AMIN/PE 1052 **1 credit**
American Indian Hand Games

This course provides an introduction to the history, rules, etiquette and skills of American Indian Hand Games. Hand games are a highly competitive game of skill and chance. The course focuses on both traditional styles of American Indian Hand Games played at the American Indian Higher Education Consortium Student Conference (AIHEC) Fathead and Cheyenne style. A traditional form of game among Indigenous people, the course also provides cultural awareness.

AMIN 1060 **3 credits**
Traditional Subsistence Patterns of the Lake Superior Ojibwe

This course will examine and demonstrate the traditional food gathering and preservation techniques that served the Ojibwe people for thousands of years. These systems distinguished the traditional native way of life and allowed the people to exist in harmony with the natural surroundings. Traditional existence methods of the Ojibwe will be studied and demonstrated, based on the Ojibwe moons. Students will gain experience in both traditional and contemporary methods of collection, processing, and preservation.

AMIN 1061 **2 credits**
Traditional Anishinaabe Seasonal Activities

Introduction to process, protocols and skills necessary for traditional Ojibwe (Anishinaabe) seasonal activities. This course will be a hands-on project based and seasonally driven. The projects will all be participatory and the student may be may be required to participate indoor or outdoor depending on the activity. Anishinaabe knowledge is not required but will be learned throughout the process.

The course introduces students to traditional Ojibwe (Anishinaabe) activities such as canoeing, hide tanning, maple sugaring, wild ricing, sewing (skirt, regalia, glove/mittens, quilting), food processing, etc.

AMIN 1062 **2 credits**
Manoominike-Giizis, Moon of the Wild Rice Harvest

The course will introduce the student to an important Ojibwe tradition, the manoomin (wild rice) harvest. (Manoominike-Giizis, Moon of the Wild Rice Harvest has long been an important time for the Ojibwe). A fundamental staple of the people's diet, manoomin maintains an important place in their ceremony and tradition. For the Ojibwe, manoomin is a gift, a gift of creation, of sky, of earth. The course will share this tradition by examining the cultural and historical significance of wild rice to Ojibwe people. Students will learn harvesting techniques and gain hands-on processing experience.

AMIN/SPCH 1065 **4 credits (3 lecture, 1 lab)**
Introduction to Digital Storytelling

Introduction to Digital Storytelling provides students the opportunity to use contemporary digital production tools to present, interpret and honor stories from an Indigenous perspective. The course includes critical viewing of Indigenous produced media; technical training in video, photography and music recording; and story creation.

AMIN/JOUR 1070 **3 credits (2 lecture, 1 lab)**
Introduction to Audio Recording

An introduction to audio production, will include principles of programming, producing, directing voice talent, interviewing and some engineering. This class will have direct exposure to recording equipment and soundboard at Fond du Lac Tribal and Community College Ojibwemowining Digital Arts Studio and exposure to the radio stations of the Fond du Lac Reservation.

AMIN/ART 1075 **3 credits (1 lecture, 2 lab)**
Introduction to Jewelry

An exploration of the design, materials and technical processes of jewelry fabrication. Focus is on use of natural materials and found objects with particular emphasis on Indigenous American Indian reference and cultural traditions. (This course does not address hot metal fabrication techniques such as silver soldering or casting.)

AMIN 1099 **1–3 credits**
Special Topics
 Study of special topics in American Indian studies. Special course topics will be announced in the class schedule.

AMIN 2001 **3 credits**
Federal Laws and the American Indian
 An initial examination of the history of the United States Government's (federal government's) relationship with American Indian people as reflected in federal laws. Issues and topics covered include American Indian tribal law and customs, the unique legal and political status of Indian people, sovereignty, treaties, U.S. Supreme Court case law, and federal statutes. The course will also cover the integration of tribal, state, and federal laws and the impact on tribal communities. Contemporary issues and recent court decisions and how they affect present day situations will also be explored. (Meets MnTC goal area 5).

AMIN 2010 **2 credits**
Survey of Bilingual American Indian Education
 This course is a survey of American Indian Education with emphasis on historical precedents leading to the present day American Indian Education programs.

AMIN 2030 **3 credits**
Contemporary Indian Concerns
 This course is an overview of contemporary and critical issues affecting the American Indian population and the state of affairs in Indian country. Critical issues will be analyzed in specific areas; Indian education, tribal economies, natural resources, culture and language revitalization, religion, health and welfare, and self-governance. (Meets MnTC goal area 5).

AMIN/ART 2035* **3 credits (1 lecture, 2 lab)**
Regalia-Traditional Dress and The Arts of Ojibwe Culture
 This course assists students in their development as designers and makers of traditional Native American regalia. Anishinaabe culture, design, pattern making and handwork skills will be emphasized. Students will create clothing and regalia suitable for indigenous ceremony and rituals of celebration. Advantageous for students to have previous experience. (Prerequisite: AMIN 1050, ART 1045 and ART 1075 and/or consent of the instructor).

AMIN 2040 **5 credits**
Museum Practices
 Museum practices will include basic instruction in a spectrum of museum related skills from curation, conservation, documentation, and display of cultural objects. Exhibit development description, design, fabrication, museum management and fund raising.

AMIN/HLTH 2100 **3 credits**
Community Health/Wellness with Anishinaabe Perspective
 The focus of this course is on the overall health and wellness with an Anishinaabe perspective of the community. Development of teaching strategies appropriate for the holistic health and wellness including physical education activities, healthy nutritional choices, mental health, and spirituality for a balanced sense of self that will be appropriate for elementary school children. Discussion will be about the prevention of: drugs, alcohol, and tobacco use, reduced risk and control of diseases and the health and wellness in the communities.

AMIN/ENGL 2200* **3 credits**
American Indian Children's Literature
 Children's literature is an essential component when we teach literacy. American Indian children's literature will be emphasized in this course to allow students to become familiar with the opportunity to incorporate American Indian literature with the state standards for elementary education. The quality of literature with an emphasis on American Indian literature will provide students with instructional materials for literacy education, and content areas that will stress the oral and written Anishinaabeg ways also. This course is designed to help students acquire knowledge of the different genres of children's literature and develop the ability to evaluate, select and have the opportunity to teach children's literature in an elementary classroom with an emphasis on multicultural literature specific to the Anishinaabeg. (Meets MnTC goal areas 6, 7), and 8); prerequisite: ENGL 1101).

AMIN 2300* **1 credit**
Culturally Responsive Education
 Students in this course will develop a culturally responsive classroom unit/project for a K-6 classroom. Participation in "cultural standards for educators" assessment, will be used as a tool to assist in the process of self-reflection of their own personal perspective of a culturally responsive classrooms. Anishinaabe practices will be introduced throughout the unit. Students will become familiar with the different resources available within the community to enhance the project. (Prerequisite: AMIN 1020).

AMIN 2301* **2 credits**
Culturally Responsive Leadership
 Students in this course will develop a culturally responsive classroom unit/project for a K-6 classroom. Participation in "cultural standards for educators" assessment will determine the student's direction for their own project in a culturally responsive leadership role. Anishinaabe practices will be introduced throughout the unit. Students will become familiar with the different needs in the community and will address this need with a chosen project of their choice that will be useful for classroom purposes. Students will identify and utilize appropriate sources of Ojibwe-Anishinaabe cultural, historical, social, and political knowledge to apply to this classroom project. (Prerequisite: AMIN 2300) (Meets MnTC goal areas 7 and 8).

ANISHINAABE LANGUAGE

The mission of the Anishinaabe Language Department is to introduce students to and expand their knowledge of Anishinaabe language in conversational and written form. Students will learn to converse in Anishinaabe as well as attain an understanding of the complexity and beauty of the Anishinaabe language. Analysis of sentence structure will be introduced and expanded at the introductory and advanced levels leading to the delivery of oral presentation.

ANSH 1001 **4 credits** **Introduction to Anishinaabe Language**

This course will introduce students to the Anishinaabe Language. Conversational writing skills will be learned leading to an oral presentation. Analysis of sentence structure will be utilized in attaining an understanding of the complexity and beauty of the Anishinaabe Language. Students will write and speak simple sentences. (Meets MnTC goal areas 6 and 8).

ANSH 1002* **4 credits** **Anishinaabe Language II**

This course will continue to reinforce the conversational and written skills which began in ANSH 1001. New vocabulary, grammatical concepts and utilization of acquired skills will be emphasized. (Prerequisite: ANSH 1001) (Meets MnTC goal areas 6 and 8).

ANSH 1010 **1 credit** **Examination of Anishinaabe Language**

An overview of the Anishinaabe language at an introductory level.

ANSH 1099 **1–3 credits** **Special Topics**

Study of special topics in Anishinaabe language. Special course topics will be announced in the class schedule.

ANSH 2001* **4 credits** **Anishinaabe Language III**

This course is designed for the advanced students of the Anishinaabe Language who wish to increase their knowledge of complex sentence structure building and analysis skills. The goal of this course is to develop oral and written fluency. (Prerequisite: ANSH 1002) (Meets MnTC goal areas 6 and 8).

ANSH 2002* **4 credits** **Anishinaabe Language IV**

This course will continue to build on the advanced skills presented in ANSH 2001. The focus will be upon analysis of short stories and the delivery of oral presentations in the Anishinaabe Language. (Prerequisite: ANSH 2001) (Meets MnTC goal area 6 and 8).

ANSH 2010* **3 credits** **Anishinaabe Language for the Classroom**

This course is designed to provide pre-service teachers with the requisite knowledge to facilitate an Anishinaabe language-learning environment. Methodology and best practices for teaching an endangered language will be explored. The course will cover general and specialized language for teaching Anishinaabe language in an educational setting. Students will explore ways to incorporate the use of foreign language standards and curriculum content standards into an Anishinaabe language curriculum. Vocabulary and grammar for classroom management, elementary content areas, and traditional Anishinaabe harvest practices will be the language focus of this course. Students will develop and compile lesson plans and curriculum for a final portfolio that can be used in the classroom. (Prerequisite: ANSH 1001).

ANSH 2090* **6 credits** **Ojibwe Immersion Academy**

The Ojibwe Immersion Academy offers a complete immersion experience in the Ojibwe Language for three weeks (120 hours) during the summer, with follow-up practice through the school year. Taught by first speakers and faculty instructors, the immersion academy enrolls qualified students and graduates of Fond du Lac Tribal and Community College, students from other colleges and universities in the Upper Midwest, K-12 Ojibwe Language teachers in public and tribal schools, and other members of Minnesota, North and South Dakota, and Wisconsin tribal communities. Qualified applicants should have studied the language for the equivalent of one year of college, exhibit intermediate facility in hearing and speaking Ojibwe, and possess a fierce resolve to improve their language fluency. Participants in the immersion academy commit themselves to speak Ojibwe and only Ojibwe as they engage in small group discussions with first speakers and elders, receive linguistic instruction from UMD, UM-TC, and Fond du Lac Tribal and Community College professors, and engage in educational field trips aimed at enhancing knowledge and experience of the language and culture. Follow-up instruction and practice is provided at weekly language tables and language immersion weekends. (Prerequisite: ANSH 1001 and 1002 or permission from instructor).

ANTHROPOLOGY

The mission of the Anthropology department is to provide for the study of human nature, society, and culture, focusing on the Indigenous and world perspectives.

ANTH 1001 **3 credits** **Introduction to American Indian Studies**

This course will look at the various Indigenous cultures of North America. North American prehistory and the historic period from contact to the present will be addressed. American Indigenous history, religion, and philosophy will be studied with an emphasis on the Anishinaabe people of Minnesota. (Meets MnTC goal area 5).

ANTH 1005 **1 credit** **Cultural Diversity**

This course is designed to help students understand cultural diversity and the need for cultural competence as it relates to our world today. Designed as a seminar, this course will provide an overview of culture and its many dimensions. It will provide hands-on experience to aid in the understanding of other cultures and offer tools for cultural competence in both our personal and public lives.

ANTH 1010 **4 credits** **Native Skywatchers**

A cross-disciplinary study of the practical and spiritual role of the sky in the Indigenous cultures of the continental Americas. Astronomical and meteorological inspired art, architecture, and mythologies will be examined, with special emphasis on the Great Lakes region. (Meets MnTC goal areas 8 and 10).

ART

Art instruction at Fond du Lac Tribal and Community College serves to provide students with an awareness and understanding of how art functions in contemporary societies. Courses encourage risk-taking, exploration and acquisition of the techniques and processes of art. Emphasis on problem solving enables students to develop skills applicable to a range of venues. Introductory courses are designed for students with little or no experience in the visual arts.

ART 1001 **3 credits** **Introduction to Art**

An investigation of art related topics, techniques and materials that explore the functions and principles of two- and three-dimensional art. This course is best suited for non-art majors fulfilling humanities requirements and/or students with little or no experience in the visual arts. (Meets MnTC goal area 6).

ART 1005 **3 credits** **Art Appreciation**

This course is an introduction to human creativity and the expression of the visual arts from a global perspective. Students will view and discuss works from a wide spectrum of human history and world cultures with an emphasis on expression, style, and artistic meaning. (Meets MnTC goal areas 6 and 8).

ART 1010 **3 credits** **Drawing**

Introduction to the fundamentals of representative, freehand drawing with emphasis on expression, organization and technique. An essential beginning to any study of the visual arts. (Meets MnTC goal area 6).

ART 1015* **3 credits (1 lecture, 2 lab)** **Drawing II**

Offers students an opportunity to continue the study of traditional drawing methods and materials. Personal creative development encouraged through experimental application of a variety of drawing mediums. (Prerequisite: ART 1010).

ART 1020 **3 credits** **Design**

Examines the fundamental principles of two- and three-dimensional art with emphasis on formal elements of design including: form, composition, texture and color. Effective visual communication emphasized through concept development as well as material and technological manipulation. (Meets MnTC goal area 6).

ART 1030 **3 credits (1 lecture, 2 lab)** **Painting**

Provides an introduction to the principle elements of painting and color theory. The instructor will guide students through explorations of acrylic painting mediums, brush technique and composition. (Meets MnTC goal area 6).

ART 1035* **3 credits (1 lecture, 2 lab)** **Painting II**

Designed to encourage students to continue their development as artist/painters. Students work with the instructor to gain proficiency in developing personal style and visual narrative through application of traditional and/or experimental mediums and methods. (Prerequisite: ART 1030).

ART 1040 **3 credits (1 lecture, 2 lab)** **Watercolor Painting**

This course provides an introduction to the principles of color and the art of painting. Basic instruction in the traditional use of water based painting mediums including color mixing, brush work, composition and pictorial development. (Meets MnTC goal area 6).

ART/AMIN 1045 3 credits (1 lecture, 2 lab)**American Indian Art**

This course is designed to increase awareness of American Indian culture through the study of the basic elements of creative art. The relationship between elements of design and traditional art from the Anishinaabe culture will be stressed, including sewing, beadwork and leatherwork. (Any combination can be worked in here). (Meets MnTC goal area 6).

ART 1055 3 credits (1 lecture, 2 lab)**Fashion, Fabric Design and Construction I**

An introduction to the study and practice of traditional and contemporary fiber arts to include fabric designs, sewing techniques, and basic clothing assembly skills to construct multicultural apparel and accessories. (Meets MnTC goal area 6 and 8).

ART/AMIN 1075 3 credits (1 lecture, 2 lab)**Introduction to Jewelry**

An exploration of the design, materials and technical processes of jewelry fabrication. Focus is on use of natural materials and found objects with particular emphasis on Indigenous American Indian reference and cultural traditions. (This course does not address hot metal fabrication techniques such as silver soldering or casting).

ART 1080 3 credits**Art History I**

A survey of ancient, medieval and gothic art emphasizing historical context and motivation for the creation of art forms worldwide. Comparisons and similarities across time, continents and cultural evolution will be examined. This course has been designed to encourage cross cultural understanding and visual literacy. (Meets MnTC goal area 6 and 8).

ART 1081 3 credits**Art History II**

A survey of art from the Renaissance (1500 CE) to the present emphasizing historical context and motivation for the creation of art forms worldwide. Comparisons and similarities across time, continents and cultural evolution will be examined. This course has been designed to encourage cross cultural understanding and visual literacy. (Meets MnTC goal areas 6 and 8).

ART 1095 3 credits (1 lecture, 2 lab)**Digital Photography**

An introductory course emphasizing digital camera function and simple image editing. Basic concepts of photography such as the use of light and shadows, composition and visual literacy will be explored. Image editing software will be used to edit and enhance pictures. Students must possess basic knowledge of computer function. (Meets MnTC goal area 6).

ART/CSCI 1097 3 credits (1 lecture, 2 lab)**Introduction to Digital Graphics**

This course will introduce students to computer technologies that apply specifically to graphic design and the production of digital art works. Use of computer software for design layout and creation of two-dimensional, digital imagery will be emphasized. (Meets MnTC goal area 6)

ART 1099 1–3 credits
Special Topics

Study of special topics in Art. Special course topics will be announced in the class schedule.

ART/MUSC 1250 3 credits (2 lecture, 1 lab)**Foundations of Anishinaabe and American Arts**

The Anishinaabe culture and traditions will be the basis of the visual and performing arts for a beginning level of the elementary education coursework. These areas of the visual and performing arts are inclusive of: art, dance, music, theater, and multimedia with the Anishinaabe emphasis. The personal, social, cultural and historical contexts will be influenced in the creation, interpretation or performance of the arts including the contributions of Minnesota American Indian tribes and communities. (Meets MnTC goal areas 6 and 7).

ART 2001* 3 credits (1 lecture, 2 lab)**Digital Photography II**

A course for students who wish to further pursue their interest in Digital Photography. Students will work with the instructor to gain proficiency in using the digital camera and software programs like Photoshop to make images suitable for a variety of uses including personal photo-journaling, internet publication and fine art print photography. (Prerequisite: ART 1095).

ART 2010 3 credits (1 lecture, 2 lab)**Sculpture**

Provides an introduction to the plastic arts through construction of three dimensional and/or low relief sculptures. Students will be taught to use basic traditional materials and methods such as clay modeling and simple metal fabrication. (Meets MnTC goal area 6).

ART 2015* 3 credits (1 lecture, 2 lab)**Sculpture II**

A course for students who want to continue their study of the principles and processes of sculpture. Students will work with the instructor developing skills in the conceptualization and construction of sculptural art. Project management from original ideas to finished artwork will be emphasized. Advanced students will develop projects exhibiting individual creativity and process mastery. (Prerequisite: ART 2010).

ART 2020 **3 credits**
Ceramics
 Provides an introduction to the origins and functions of the ceramic arts. Basic construction and surface decoration of clay forms will be taught with emphasis on traditional hand building technique and design technologies of indigenous peoples worldwide. (Meets MnTC goal area 6).

ART 2025* **3 credits (1 lecture, 2 lab)**
Ceramics II
 Designed for students who wish to continue to work with clay and gain proficiency in its use as an art medium. Students will work with the instructor to plan and create sculptural and/or functional ceramics. (Prerequisite: ART 2020).

ART 2030* **1–3 credits (lab)**
Portfolio Development
 Students enrolled in this course will work one on one with an assigned instructor/mentor preparing and organizing artwork for exhibition and/or portfolio presentation. Hands on preparation of traditional art portfolios and digital art presentations will be emphasized, however, students may choose to complete a body of work for exhibition. This course may be individually tailored to student goals. Enrollment option from one to three credits depending upon portfolio objectives. (Prerequisite: Must be seeking Fond du Lac Tribal and Community College AFA degree).

ART/AMIN 2035* **3 credits (1 lecture, 2 lab)**
Regalia-Traditional Dress and The Arts of Ojibwe Culture
 This course assists students in their development as designers and makers of traditional Native American regalia. Anishinaabe culture, design, pattern making and handwork skills will be emphasized. Students will create clothing and regalia suitable for indigenous ceremony and rituals of celebration. Advantageous for students to have previous experience. (Prerequisite: AMIN 1050, ART 1045 and ART 1075 and/or consent of the instructor).

ART/CSCI 2097* **3 credits (1 lecture, 2 lab)**
Digital Graphics II
 Students will build upon skills learned in ART 1097 Introduction to Digital Graphics or an equivalent, introductory digital graphics course. Typography, multipage communications and informational design will be studied. Students will design booklets, charts, maps and diagrams demonstrating creative organization skills and artful conceptual presentation. To run concurrently with ART 1097 Introduction to Digital Graphics.

BIOLOGY

The mission of the Biology department is to provide quality instruction in the biological and environmental sciences that can transfer to bachelor degree programs, as well as to teach all students the relevance of biology and the use of the scientific method in everyday activities.

BIOL 1001 **1 credit**
Concepts in Cell Biology
 An introduction to the field of cell biology with a focus on the basic unit of life, the cell - its function, chemistry, metabolism, and structure. Must be passed with a grade of "C" or better to qualify as a prerequisite for Anatomy and Physiology I.

BIOL 1005 **1 credit**
Medical Terminology
 A self-contained on-line tutorial program designed to enhance basic word attack skills and medical vocabulary for students and workers in the allied health sciences. This course will provide a foundation of basic medical terms, which are created by adding prefixes and suffixes to root words. The course will include terminology used in anatomy and physiology, body systems and appropriate abbreviations for common medical terms.

BIOL 1010 **4 credits (3 lecture, 1 lab)**
Aspects of Biology
 This course covers basic biology as it pertains to contemporary issues. Biology coverage includes cell biology, genetics, evolution and ecology. In addition to helping students understand biology, students will learn to more critically evaluate science that is presented in the media. Humans are discussed as a model organism. (Meets MnTC goal area 3).

BIOL 1011 **4 credits (3 lecture, 1 lab)**
Introduction to Forensic Biology
 This course provides an introduction to the science of biology with a forensic biology theme. The course covers concepts in human biology, cell biology, and molecular biology and their applications to forensic biology. This course is intended for people contemplating the pursuit of more advanced courses in biology, forensic science, or law enforcement. (Meets MnTC goal area 3).

BIOL 1060 **4 credits (3 lecture, 1 lab)**
Environmental Science
 This course will focus on basic concepts in biology, ecology, and the scientific method. In addition, students will develop the ability to discuss the scientific basis of environmental issues and investigate potential solutions. Local ecosystems, organisms, and environmental issues will be used to develop an environmental literacy for students in this course. (Meets MnTC goal areas 3 and 10).

BIOL 1065 **4 credits (3 lecture, 1 lab)**
Ecology of Minnesota

Students will explore the interrelationships of the plants and animals common to the region with an emphasis on developing an appreciation of the natural cycles and organism adaptations to seasonal changes. (Meets MnTC goal areas 3 and 10).

BIOL 1099 **1–3 credits**
Special Topics

Study of special topics in Biology. Special course topics will be announced in the class schedule.

BIOL 1101 **4 credits (3 lecture, 1 lab)**
General Biology I

Fundamental concepts of biology, including chemical basis of life, cell structure and function, energy transformations, photosynthesis, cellular respiration, genetics, molecular biology, DNA technology, development, origin of life, and evolution. (Meets MnTC goal area 3).

BIOL 1102* **4 credits (3 lecture, 1 lab)**
General Biology II

Fundamental concepts of biology including classification and diversity of life, anatomy, physiology, and development of prokaryotes, protists, fungi, animals, and plants; behavior; population, community, and ecosystem ecology. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or consent of instructor).

BIOL 2005 **3 credits**
Fundamentals of Nutrition

This course is a comprehensive study of the role of carbohydrates, proteins, fats, vitamins, minerals, and water in the human body and their impact on human health. Students will assess their own diet compared to nutritional guidelines for key nutrients and health. Chemical and biological aspects of nutrition will be discussed. (Meets MnTC goal area 3).

BIOL 2010* **4 credits (3 lecture, 1 lab)**
Microbiology

An introduction to the basic characteristics of microorganisms and their beneficial and detrimental effects on their environment, including disease, epidemiology, and pollution. This study includes viruses, bacteria, fungi, algae, and protozoans. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or BIOL 1001 or consent of instructor).

BIOL 2015* **3 credits**
Pathophysiology

Pathophysiology involves the study of functional or physiologic changes in the body that result from disease processes. This course focuses on essential concepts of disease processes, etiology, clinical manifestations, significant diagnostic tests, common treatment modalities and potential complications. (Meets MnTC goal area 3) (Prerequisite: BIOL 2021 or consent of instructor).

BIOL 2020* **4 credits (3 lecture, 1 lab)**
Human Anatomy and Physiology I

Structural and functional aspects of selected human body systems with a strong emphasis on laboratory dissection and study. Designed for students majoring in nursing and health related sciences as well as physical education and liberal arts. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or BIOL 1001 or consent of instructor).

BIOL 2021* **4 credits (3 lecture, 1 lab)**
Human Anatomy and Physiology II

Structural and functional aspects of selected human body systems with a strong emphasis on laboratory dissection and study. Designed for students majoring in nursing and health related sciences as well as physical education and liberal arts. (Meets MnTC goal area 3) (Prerequisite: BIOL 2020 or consent of instructor).

BIOL 2025* **4 credits (3 lecture, 1 lab)**
Cellular Biology

Structure and function of prokaryotic and eukaryotic cells, including cell surface, membranes, organelles, cytoskeleton, cell growth, cell physiology, experimental methods used in cell studies including research techniques and hypothesis testing, and communication of research results. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or consent of instructor).

BIOL 2030* **3 credits (2 lecture, 1 lab)**
Botany

A survey of the plant kingdom; taxonomy, morphology, physiology, ecology, and evolution of plant. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or consent of instructor).

BIOL 2031* **3 credits (2 lecture, 1 lab)**
Zoology

A survey of the animal kingdom including taxonomy, comparative anatomy, physiology, ecology, and evolution of animals. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 and BIOL 1102 or consent of instructor).

BIOL 2040* **3 credits (2 lecture, 1 lab)**
Native Plant Identification

Students will identify and classify common vascular and non-vascular plants of the Lake Superior Region with regard to floristic taxonomy, habitat requirements, and roles in various ecosystems. This course also emphasizes the ethnobotanical values of these plants for uses as tools, food, medicines, art, and cultural/spiritual significance. Lab includes field trips and laboratory time to collect, identify, and preserve specimens. (Prerequisite: BIOL 1101 or consent of instructor).

BIOL 2050* **4 credits (3 lecture, 1 lab)**
Principles of Ecology

Students are introduced to ecological principles demonstrating the relationship between organisms and their environment with special emphasis on ecosystems, energetics, population dynamics, and Native American philosophy of the natural environment. Labs include surveying environmental factors of local ecosystems and preparing one research paper. (Meets MnTC goal area 3) (Prerequisite: BIOL 1101 or consent of instructor).

BIOL 2060* **3 credits (2 lecture, 1 lab)**
Aquatic Biology

This course is an introduction to the biology, chemistry, and physics of lakes and streams. Students will describe and analyze lakes and other aquatic environments. Field and lab methods will be used to obtain information on environmental conditions in aquatic environments and measure the abundance of organisms, especially plankton, using field/lab instruments, sampling devices, microscopy, water chemistry, data analysis. (Prerequisite: BIOL 1101 or consent of instructor).

BUSINESS

The mission of the Business department is to provide its students with an opportunity to be trained in a broad range of business skills designed to allow the student to adapt to the multi-disciplinary conditions which are experienced in workplace environments within society. Students will be provided with analytical and communications skills within an enriched professional and ethical learning environment that will prepare them to become leaders in the modern world.

BUS 1001 **3 credits**
Introduction to Business

This course is designed to give students an introduction to contemporary business concepts in such areas as business management, human resource future scope of business. Students will receive a broad overview as to what is involved in the various areas of business as well as the ability to experience how these concepts relate to the real world.

BUS 1002 **3 credits**
Introduction to Entrepreneurship

This course is for anyone interested in starting a business, working with an entrepreneurial company, or using entrepreneurial ideas to revitalize a larger company. The course uses different learning media, especially cases, to examine the life cycle of opportunities in new and established business contexts. This involves identifying a winning business opportunity, getting funding for and launching the opportunity, growing the business and harvesting the rewards. The course invites you to consider how your entrepreneurial initiative can make a difference to business and society.

BUS 1003 **3 credits**
Opportunity Analysis

This course is designed to allow students to be able to assess the current economic, social and political climate in relation to small business development. In addition, students will learn how demographic, technological and social changes create opportunities for small business ventures.

BUS 1020 **3 credits**
General Office Procedures

This course is intended to assist students with working effectively in an office setting. Course content emphasizes basic office procedures and includes, but is not limited to, general operations of basic office equipment (computers, copy machines, scanners, fax machines), principles for establishing and maintaining filing systems for paper and electronic documents, methods of managing, storing, and retrieving information, and human relations.

BUS 1035 **3 credits**
Database and Data Spreadsheets

Provides hands-on computer experience to learn the commands, functions, database capabilities, and use of macros (short program) of an electronic software program. These spreadsheets are useful for business, accounting, engineering, science, and personal-record keeping. Introduces the concept of a computerized database management system and how this powerful management tool can be used in various business applications, database concepts, and its practical application to business problems.

BUS 1050 **2 credits**
Business Mathematics

A thorough review of fundamental operations with special emphasis on the practical application of mathematics, decimals, fractions, and percentages.

BUS 1055 **3 credits**
Business Communication

This course encompasses the various elements that produce effective communication in a business setting. Topics include types of written and oral communication applied across a variety of purposes, nonverbals, cross cultural communication, and communication related to seeking employment.

BUS 1064 **1 credit**
Customer Service

This course is to assist in the development of the students' ability to treat customers properly and respectfully. Topics include: telephone courtesy, listening under pressure, assertive problem solving, dealing with the irate customer, winning customers through service, and management of those who have direct contact with customers.

BUS 1080 **3 credits****Personal Finance**

An overview of personal and family financial planning with an emphasis on financial record keeping, planning your spending, tax planning, consumer credit, making buying decisions, purchasing decisions, purchasing insurance, selecting investments, and retirement and estate planning.

BUS 1099 **1–3 credits****Special Topics**

Study of special topics in Business. Special course topics will be announced in the class schedule.

BUS 2001 **3 credits****Business Computers**

This course will introduce students to the role of computers in business. Students will explore various hardware platforms and devices currently used by all types of companies. The course will include Windows operating system and Apple. Students will gain experience using Microsoft Office and other products to create various documents, spreadsheets, databases, and presentations. Students will also explore the foundations of the Internet and its use for researching relevant information.

BUS 2020 **3 credits****Principles of Management**

A broad-based course in management fundamentals as they apply to management as a career. Includes the study of current philosophies and approaches as they apply to the successful practice of this profession. This course includes a study of current management principles and motivational/leadership skills that may be utilized in the business world.

BUS 2030 **3 credits****Personnel Administration & Supervision**

A study of the policies and practices used in the effective utilization of human resources-including such management functions as selecting staff, training, communication, motivation, and compensation.

BUS 2035 **3 credits****Principle of Financial Management**

This course is designed to provide exposure to the broad range of topics and techniques found in financial management. The major areas covered include: the financial environment, financial statements, analysis and planning, working capital management, stocks and bonds, capital budgeting, and capital structure.

BUS 2036 **3 credits****Money and Banking**

An exploration of the role of financial institutions and markets with discussions regarding the Federal Reserve system and its control of the commercial banking system, monetary theory and policy, and international economics as well as the development of banking in Indian Country.

BUS 2037 **2 credits****Topics in Tribal Finance**

The course will examine the basic financial management of tribal organizations. An extensive examination of historical documents; treaties, acts of congress, etc. will be presented to ensure the students understanding of the unique relationship that exists between the Indian tribes and federal government. Topics of discussion will also include a comparison of tribal and non-tribal organizations.

BUS 2038 **3 credits****Financial Statement Analysis**

This course covers the basic principles used in analyzing corporate financial statements and budgets as performed by a financial investment analyst. Upon completion the student will be proficient in reading and analyzing financial statements. Topics include analysis of income statements, balance sheets, funds flow, risk, cash flow projections, capital accounts and financial ratios. (Prerequisite: ACCT 2001 or consent of instructor).

BUS 2040 **3 credits****The Legal Environment of Business**

This course focuses on the consideration of the forms and functions of law in society with an emphasis on public law and the regulation of business activities.

BUS 2060 **3 credits****Introduction to Business Plan Development**

The purpose of this course is to familiarize students with how small businesses are created, operate, and function in the American economy. Students will demonstrate knowledge by developing a formal business plan suitable for a small business start-up.

BUS 2090 **1–4 credits****Practicum**

This course consists of on-the-job-training in a business establishment. This is an opportunity for the student to learn the functional organization of a business, to apply classroom theory to hands-on learning experiences and to participate in the total merchandizing process. (Prerequisite: consent of instructor).

CAREER PLANNING

The mission of the Career Planning department is to encourage an ongoing process of self-evaluation that leads to accurate self-awareness which promotes rational job and career decisions.

CAOR 1005 1 credit Career Exploration

Effective career decision-making and life planning requires skills. In this course, students will learn about their interests, values, and abilities, and how these elements are related to a career choice. Techniques for researching occupations will be taught as well as skills for effective decision making and goal setting.

CAOR 1010 1 credit Job Search Skills

This course will provide student with simple, proven methods for finding employment. Topics include: understanding employer expectations, identifying skills and qualifications, preparing effective written tools (applications, resumes, letters), developing job leads, improving interviewing skills, and surviving on a new job.

CAOR 1099 1–3 credits Special Topics

Study of special topics in Career Planning. Special course topics will be announced in the class schedule.

CHEMICAL DEPENDENCY

The mission of the Chemical Dependency department is to prepare students for entry-level positions in the field of chemical dependency intervention and counseling. The department will assist students to obtain current knowledge of drug use and abuse, the major theories of addiction, dependency, and treatment; to develop the assessment and counseling skills appropriate to the field; and to grow in personal, ethical, and cultural awareness and effectiveness.

CDEP 1001 3 credits Peer Recovery Specialist

The course is designed to meet the State of MN Certificate requirements for the Peer Recovery Specialist. The course focuses on ethics and boundaries, advocacy, mentoring and education, and recovery and wellness support.

CDEP 1099 1–3 credits Special Topics

Study of special topics in Chemical Dependency. Special course topics will be announced in the class schedule.

CDEP 2001 4 credits Chemical Dependency Theories

A study of addiction systems, processes, and treatment modalities; to include historical perspective and the development of current theories and models from initial recognition and intervention to assessment and treatment. The course will explore various views and theories including social learning. 12-Step approaches, psychoanalytical and behavioral theories, medical models, dual diagnosis, and the mental health concerns. DSM criteria, dimensions models for treatment and several of the current counseling approaches including REBT, Person Centered, Motivational, and Behavioral will be included.

CDEP 2010* 3 credits Adolescent Chemical Dependency Assessment & Treatment

The course is designed to provide an overview of current identification, assessment, treatment and research methods most widely used in the intervention and recovery process for adolescents with substance abuse disorders. The course will discuss the continuum of care from the initial identification through aftercare. It is intended to give the student information regarding the formal and legal responsibilities concerning the assessment and treatment process as well as awareness of and insight into the current instruments and methods used to assist the adolescent in their recovery. (Prerequisites: PSYC 1030 and CDEP 2001).

CDEP 2020* 4 credits Chemical Dependency Assessment and Procedures

The course is designed to provide an overview of current assessment, treatment and research methods most widely used in the intervention and recovery process for chemical dependency. The course will discuss the continuum of care from the initial assessment through relapse prevention. It is intended to give the student information regarding the formal and legal responsibilities concerning the assessment and treatment process and awareness of and insight into the current methods and techniques used to assist the client in their recovery. Emphasis will be placed on procedures and techniques. (Prerequisite: HSER 1010 and CDEP 2001).

CDEP 2030* 4 credits Co-Occurring Disorders

The course will explore the relationship between psychiatric disorders and AOD (Alcohol and Other Drug) disorders. The co-existence of AOD and other psychiatric disorders will be discussed focusing on several possible relationships between AOD use and psychiatric symptoms and disorders, i.e. AOD may induce, worsen, or diminish psychiatric symptoms, complicating the diagnostic process. The implications of these coexisting relationships on screening, assessment and treatment planning and modalities will be discussed. (Prerequisite: CDEP 2001 and PSYC 1030).

CDEP 2040* **3 credit****Life Management – Second Stage Recovery**

The goal of the Life Management course is to help empower persons to improve the quality of their lives. It is a skills based, measurable program designed to create a new, healthy self image and world view based on cognitive and behavioral change. Change is practiced through a five-track course: 1. Focus on Anatomy of Issues, 2. Models and Principles, 3. Cognition Charting, 4. Coping Skills, 5. Recovery/ new self-perception

CDEP 2045* **1 credit****Clinical Supervision**

The course is designed to meet BBHT requirements for clinical supervision for chemical dependency counselors. It focuses on models of clinical supervision, building technical competence, methods of evaluation and understanding the ethical and legal perspectives and standards. (Prerequisite: CDEP 2001).

CDEP 2050* **5 credits****Chemical Dependency Practicum I**

The course is an off-campus experiential learning component of the Chemical Dependency Counselor State License (LADC) program. CDEP 2050 I is one half or 440 hours of the required 880 hours for the LADC. CDEP I must be taken in sequence with CDEP 2051 II in order to meet the LADC requirements. Attendance at assigned seminars are a required component of CDEP 2050 I. The emphasis of this practicum is on gaining practical experience in using the methods and knowledge gained in the classroom. Students will complete the contracted hours of supervised experience at the practicum site. Students will choose, with instructor approval, a practicum site which meets MN Statute 148C requirements and will complete the required hours in the 12 Core Functions and total hours of practicum experience as defined by MN Statute. Students will complete all requirements of the chemical dependency practicum written contract. (Prerequisite: Completion of the 28 credit Chemical Dependency Certificate or permission of the Human Services/Chemical Dependency Program Coordinator).

CDEP 2051* **5 credits****Chemical Dependency Practicum II**

The course is an off-campus experiential learning component of the Chemical Dependency Counselor State License (LADC) program. CDEP 2051 II is one half of 440 hours of the required 880 hours for the LADC. CDEP 2051 II must be taken in sequence with CDEP 2050 I in order to meet the LADC requirements. Attendance at assigned seminars are a required component of CDEP 2051 II. The emphasis of this practicum is on gaining practical experience in using the methods and knowledge gained in the classroom. Students will complete the contracted hours of supervised experience at the practicum site. Students will choose, with instructor approval, a practicum site which meets MN Statute 148C requirements

and will complete the required hours in the 12 Core Functions and total hours of practicum experience as defined by MN Statute. Students will complete all requirements of the chemical dependency practicum written contract. (Prerequisite: Completion of the 28 credit Chemical Dependency Certificate or permission of the Human Services/Chemical Dependency Program Coordinator).

CHEMISTRY

The mission of the Chemistry department is to provide quality instruction dealing with chemistry topics to all students, provide a strong chemical background for all students, and to teach all students the relevance of chemistry in everyday activities.

CHEM 1001* **4 credits (3 lecture, 1 lab)**
Aspects of Inorganic Chemistry

This is an introductory course in inorganic chemistry, intended for nursing majors, or those preparing for CHEM 1010. The primary components of this course are atomic structure, periodicity of the elements, chemical bonding, matter and energy, and a brief introduction to organic chemistry. (Meets MnTC goal area 3) (Prerequisite: MATH 0020).

CHEM 1002* **4 credits (3 lecture, 1 lab)**
Organic Chemistry

This is an introductory course in organic chemistry, intended for nursing majors. The primary components of this course are an introduction to the carbon atom and how it interacts with other atoms. (Meets MnTC goal area 3) (Prerequisite: CHEM 1001).

CHEM 1010 **5 credits (4 lecture, 1 lab)**
General Chemistry I

This is an in depth study of the principles of inorganic chemistry with emphasis on atomic structure, molecular structure, periodic properties, chemical nomenclature, stoichiometry, chemical bonding, the mole concept, and chemical reactions. (A working knowledge of basic algebra is recommended) (Meets MnTC goal area 3).

CHEM 1011* **5 credits (4 lecture, 1 lab)**
General Chemistry II

This is an in depth study of the principles of inorganic chemistry with emphasis on modern atomic theory, chemical bonding, molecular geometry, gas laws, solution chemistry, acids and bases, chemical equilibrium, electrochemistry, nuclear chemistry, and an introduction into organic chemistry. (A working knowledge of basic algebra is recommended) (Meets MnTC goal area 3).

CHEM 1099 **1–3 credits**
Special Topics
 Study of special topics in Chemistry. Special course topics will be announced in the class schedule.

CHEM 2010* **5 credits (4 lecture, 1 lab)**
Organic Chemistry I
 Chemistry of aliphatic and aromatic hydrocarbons with emphasis on reaction mechanisms and the characteristics of numerous functional groups. Laboratory work consists of standard preparation and purification procedures, organic qualitative analysis, and individual synthesis projects. (Prerequisite: CHEM 1011).

CHEM 2011* **5 credits (4 lecture, 1 lab)**
Organic Chemistry II
 Chemistry of aliphatic and aromatic hydrocarbons with emphasis on reaction mechanisms and the characteristics of numerous functional groups. Laboratory work consists of standard preparation and purification procedures, organic qualitative analysis, and individual synthesis projects. (Prerequisite: CHEM 1011).

CHEM 2060* **4 credits (3 lecture, 1 lab)**
Environmental Chemistry
 This course will introduce students to key concepts and skills necessary for the study of environmental chemistry. Chemistry of natural systems, both terrestrial and aquatic, will be explored. Understanding these processes is fundamental to protection of our ecosystems and supporting the concept of sustainable development. (Prerequisite: CHEM 1001 and CHEM 1010).

COMPUTER SCIENCE

The mission of the Computer Science department is to provide preparation in contemporary computing practices and for transfer to high-quality, four-year degree programs in computer science and engineering.

CSCI 1002 **1 credit**
Computing Essentials
 This course is focused on the practical essentials of computer technology, information resources, computing software, and computing for students at Fond du Lac Tribal and Community College. This will include online learning tutorials and assessments in the following areas: using student email accounts including sending/receiving, sending attachments, forwarding and organizing email folders, google docs and calendar; developing basic word processing skills including Word & PowerPoint; saving/retrieving/organizing files on a computer, using USB devices; Internet browsing and search techniques; determining credible sources/scholarly research; netiquette; and information protection and privacy. Other topics will include: Developing typing skills and troubleshooting basic computer problems.

CSCI 1010 **3 credits**
Write Your Own Mobile Web Apps
 This is a hands-on introduction to building web sites, games, and "web apps" aimed at mobile devices. HTML5, CSS3, and Javascript are sufficient technologies and promise to deliver broad access and new capabilities on any web-capable device. This course also serves as a survey of web technology and programming.

CSCI 1020* **3 credits**
Introduction to Programming
 An introduction to programming using a high-level language such as C/C++, Java, or Python. Programming techniques such as modularization, step-wise refinement, development of algorithms, documentation, and program testing will be covered in a survey fashion as suitable for an introductory course with minimal pre-requisites. This course features a hands-on approach solving common practical programming problems.

CSCI 1021* **1 credit**
Introduction to Engineering: Robotics
 Build and program a robot from a kit. The programming language is C. The robot will demonstrate specific tasks as assigned. (Prerequisite: College Algebra or consent of Instructor).

CSCI 1025 **1 credit**
Introduction to Engineering: Aerial Platforms
 Learn to design and build a high-powered rocket and high-altitude balloon payload in this hands-on course. Includes discussion of aerospace concepts, sensors and programming, and the ethics of flight. Requires travel to rocket launch event.

CSCI/LAW 1072* **3 credits**
Introduction to Cyber Crime
 Introduction to Cyber Crime is a basic introduction to concepts and investigative techniques used in cybercrimes investigations, as well as traditional investigations when digital evidence is present. Emphasis will be made on social networking, chat rooms, instant messaging, email, and peer to peer investigations. (Prerequisite: LAWE 2010 or Advisor Consent).

CSCI/ART 1097 **3 credits (1 lecture, 2 lab)**
Introduction to Digital Graphics
 This course will introduce students to computer technologies that apply specifically to graphic design and the production of digital art works. Use of computer software for design layout and creation of two-dimensional, digital imagery will be emphasized. (Meets MnTC goal area 6)

CSCI 1099 **1–3 credits**
Special Topics

**CSCI/GEOG 2051* 4 credits (1 lecture, 3 lab)
Web Mapping**

This course covers the creation of both static and interactive online maps. Course topics include the basics of internet architecture, web data formats, web services, web cartography, UI/UX (user interface/user interaction) design, and publishing on the web using HTML, CSS, and JavaScript. Students will create shareable web maps on real-world topics using both graphical mapping platforms and JavaScript code-based APIs. No prior coding experience is necessary. (Prerequisite: GEOG 2001, GEOG 2005 or instructor consent).

CSCI/ART 2097* 3 credits (1 lecture, 2 lab)

Students will build upon skills learned in ART 1097, Introduction to Digital Graphics or an equivalent, introductory digital graphics course. Typography, multipage communications and informational design will be studied. Students will design booklets, charts, maps and diagrams demonstrating creative organization skills and artful conceptual presentation. To run concurrently with ART/CSCI 1097 Introduction to Digital Graphics.

CORRECTIONS

The mission of the Corrections department is to provide students an opportunity to gain in-depth knowledge, skills, and abilities in the field of Corrections. Upon completion of the curricula, students are prepared to seek employment opportunities or transfer to a four-year institution.

**CORR 1500 4 credits
New Perspectives in Corrections**

This course provides a trauma-informed perspective of delinquent thinking and behavior, a strength-based model for mitigating the negative impact of trauma, and an introduction to restorative justice as an alternative to the traditional focus on retribution. The use of restorative principles will be examined from the prospective of victim, offender, and community. Students will examine the literature to compare and contrast a trauma-informed, strength-based and relationally-oriented approach to the practices of the current criminal justice system.

**CORR 2001 3 credits
Legal Issues in Corrections**

This course will research and address the legal rights of staff and incarcerated individuals confined in public and private facilities. constitutional issues such as privacy, search and seizure, correspondence, medical treatment and religious practice will be studied. Agency procedures and existing laws will be used to analyze these issues.

**CORR 2005 3 credits
American Jails and Prison Systems**

This course will explore the role of the correctional system in society. Students will examine the history and evolution of corrections; the different ideologies and goals of incarceration (punishment; retribution; deterrence; incapacitation; reform and prevention) and the role of society in determining how those goals are manifested. Students will look into the various components of the correctional system; jails, diversion programs, probation, and examine the functions of each.

**CORR 2010 4 credits
Clinical Skills for Corrections**

The nature of this course is to impart to the student the basic physical procedures encountered by correctional personnel. Paramount in the course are basic jail safety/security principles and practices; intake and release of prisoners; contraband control; patrol and escort procedures; medication disbursement; the use of force continuum; and jail communications.

**CORR 2025 3 credits
Best Practices in Corrections**

Correctional agencies in Minnesota have invested time and energy into aligning with evidence-based correctional practices. These interventions are based on research that supports the core goals of corrections: a reduction in recidivism and improved public safety. Evidence-based practices in corrections is a significant trend in the helping professions that emphasizes the importance in outcomes and reduced recidivism that ultimately have a long-term positive impact on public safety. This course will explore the guiding principles that focus on the risk/need/responsivity factors of offender rehabilitation.

**CORR 2090* 2 credits
Corrections internship**

The purpose of the internship is to introduce students to the correctional environment. Students will be expected to analyze the correctional setting from their different perspectives outlined. Students will be required to keep a journal of their experiences. Minimum internship is 100 hours or two credits in one correctional facility/ Court and Field Services/ or Residential Treatment Program. Since the different types of agencies have wide differences in correctional characteristics, students will register for two, 2-credit internship opportunities. These opportunities will expose them to the wide-range of employment in the corrections field. The internship(s) will be a skills-based model, and the student will complete in in year one of their program, as well as one in year two. (Prerequisite: CORR 2025).

EARLY CHILDHOOD DEVELOPMENT

The mission of the Early Childhood Development department is to provide students with opportunities for learning experiences that encompass all aspects of child development and to facilitate and encourage personal application of developmentally appropriate practice in the care of education of children from birth through school age.

CDEV 1200* **3 credits (2 lecture, 1 lab)** **Introduction to Early Childhood Education**

This course provides an overview of the early childhood field, including philosophies, missions, and regulations. Students will examine the roles, responsibilities and job requirements of professionals in a variety of career settings, positive communication and relationships with families.

CDEV 1202* **1 credit** **Curriculum and Assessment**

This course provides an overview of selecting and using curriculum and assessment in early childhood settings. (Prerequisite: Completed Selecting and Using Curriculum and Assessment in EC Settings offered via Child Care Resource and Referral Network or Minnesota Department of Education and instructor permission).

CDEV 1210* **3 credits (2 lecture, 1 lab)** **Child Growth and Development**

This course focuses on human development. It provides an overview of development from conception through adulthood, examining the patterns and theories of human development. Content will include physical, intellectual and social-emotional development with emphasis given to the periods of early childhood through late childhood. Knowledge of developmental stages will be integrated with developmentally appropriate practices in education and care settings. This course requires students to spend a minimum of 30 hours at a licensed child care/education setting. (Prerequisite: Check with advisor for current prerequisites).

CDEV 1222 **3 credits** **Health, Safety and Nutrition**

This course is an introduction to the regulations, standards, policies, and procedures, prevention techniques, and early childhood curriculum related to health, safety, and nutrition. Students will identify components that ensure physical health, mental health, and safety for both children and staff, as well as the importance of collaboration with families and health professionals. A focus will be on integrating the concepts into everyday planning and program development.

CDEV 1230* **3 credits (2 lecture, 1 lab)** **Positive Child Guidance**

This course provides students with an overview of major theories, principles, and techniques of positive discipline. We will also examine the adult's role and reflect on how our own unique experience with punishment, anger and control affect our discipline style. This course requires students to spend a minimum of 30 hours at a licensed child care/education setting. (Prerequisite: Check with advisor for current prerequisites).

CDEV 1240* **3 credits (2 lecture, 1 lab)** **Working with Diverse Families and Children**

This course is designed to provide an overview of Culturally Sensitive Caregiving by assisting students to identify the influence of culture on childcare practices. Identifying and negotiating conflicts based on cultural values can help caregivers form partnerships with families that lead to more culturally consistent care for children and help strengthen the child's feelings of security and developing identity. This course requires students to spend a minimum of 30 hours at a licensed child care/education setting. (Prerequisite: Check with advisor for current prerequisites).

CDEV 1252* **3 credits (2 lecture, 1 lab)** **Observation and Assessment**

This course provides an overview of observation methods used in home or center-based settings. Students will integrate knowledge of developmental needs, developmentally appropriate environments, effective caregiving, teaching strategies and observation methods. (Prerequisite: Check with advisor for current prerequisites).

CDEV 1340* **4 credits** **Learning Environment and Curriculum**

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children. Students will examine the role of the teacher in providing learning experiences to meet each child's needs, capabilities, and interests, and ways to implement the principles of developmentally appropriate practices. An overview of content areas including (but not limited to): physical/motor experiences, language and literacy, social and emotional learning, sensory learning, art and creativity, math and science will be covered. (Prerequisite: CDEV 1210, CDEV 1222 and CDEV 1230).

CDEV 1350* **3 credits (2 lecture, 1 lab)** **Literature and Language Experiences**

This course provides an overview of language and literacy learning experiences in either home or center-based settings. Students integrate knowledge of child development, learning environments, and teaching methods to promote literacy, conversation, literature, and bilingualism. (Prerequisite: Check with advisor for current prerequisites).

CDEV 2510* **3 credits lab**
Practicum I

Students demonstrate early childhood teaching competencies under guided supervision to make connections between theory and practice and developing professional behaviors. Students apply comprehensive understanding of children and families, developmentally appropriate, child-centered, play-oriented approaches to teaching and learning, and knowledge of curriculum content areas. They design, implement, and evaluate experiences that promote positive development and learning for all young children. (Prerequisite: CDEV 1200, CDEV 1210, CDEV 1222, CDEV 1230, and CDEV 1340).

CDEV 2530* **3 credits**
Challenging Behaviors

This course will help students understand children's behavior and challenges and identify intervention strategies to prevent and resolve problem behavior, use behavior modification effectively and design behavior plans. (Prerequisite: CDEV 1200, CDEV 1210, CDEV 1222, CDEV 1230, or instructor permission).

CDEV 2610* **2 credits**
Organizational Leadership and Management

The student will discuss personal and professional reasons for becoming a teacher, ways to advocate in this profession and will develop a plan for continuous education and professional development. Students will improve skills in working with others demonstrating strategies for team building, coping with stress, problem-solving, utilizing professional ethics and procedures for evaluating staff. (Prerequisite: CDEV 1200, CDEV 1210, CDEV 1222, CDEV 1230, CDEV 1340, CDEV 1252, CDEV 2640).

CDEV 2620* **3 credits (2 lecture, 1 lab)**
Children with Differing Abilities

This course examines the development of children with special needs and prepares caregivers to integrate children with special needs into child development settings. (Prerequisite: Check with advisor for current prerequisites).

CDEV 2640* **3 credits**
Curriculum Planning

This course provides an advanced level exploration of curriculum planning and management skills. Students will integrate their knowledge of developmental needs, developmentally appropriate environments, practices, curricula and teaching methods to organize, implement, and evaluate quality, comprehensive curricula. Curricula models from both within and outside the United States will be explored. (Prerequisite: CDEV 1210, CDEV 1222, CDEV 1230, CDEV 1340 and Instructor permission).

CDEV 2810* **3 credits lab**
Practicum II

This course provides an opportunity to apply knowledge and skill in an early childhood setting. Students implement a variety of learning experiences that are developmentally appropriate for and culturally sensitive to a specific age and group of children. (Prerequisite: CDEV 2510, CDEV 1252, CDEV 2640 and Instructor permission).

ECONOMICS

The mission of the Economics department is to provide students with an opportunity to be trained in economic skills adaptable to the needs of business in our society. Students will be provided with the basic economic knowledge, analytical, and communication skills necessary in the business world.

ECON 1099 **1-3 credits**
Special Topics

Study of special topics in Economics. Special course topics will be announced in the class schedule.

ECON 2010 **3 credits**
Principles of Economics-Microeconomics

This course focuses on the individual parts of our economic system including supply and demand, types of economic systems, production and costs, and analysis of other microeconomic problems. (Meets MnTC goal area 5).

ECON 2020 **3 credits**
Principles of Economics-Macroeconomics

This course focuses on the economy as a whole including supply and demand, national income analysis, inflation, unemployment, fiscal policy and analysis of other macroeconomic problems. (Meets MnTC goal areas 5 and 8).

EDUCATION

Courses under the EDU designator apply to the Anishinaabe and American Elementary Education program and the Early Childhood Development program.

EDU 1300 **3 credits**
Special Education Foundations

This course is designed to introduce liaisons to history perspectives, terminology, practices, concepts and legalities involved in being a cultural liaison during the special education process. Overviews on special education processes, assessment, criteria and barriers will be discussed.

ELECTRIC UTILITY TECHNOLOGY

The mission of the Electrical Utility Technology department is to prepare students for apprenticeship openings as electrical technicians in the electric utilities and in other large power-use facilities and service providers.

EUT 1020 **3 credits (2 lecture, 1 lab)** **Basic Electricity**

This is the first half of a two-semester course. In this course students will be introduced to Direct Current (DC) and Alternating (AC) electric circuits and devices from the perspective used in the electric industry. The topics of DC electric circuits, motors, generators, AC current generation and circuit systems and other topics will be introduced through hands-on learning activities.

EUT 1021* **3 credits (2 lecture, 1 lab)** **AC Electricity for Electric Utility Technicians**

This is the second half of a two-semester course. In this course students will be introduced to Alternating Current (AC) electric circuits and devices from the perspective used in the electric power industry. The topics of AC electric circuits, motors, generators, and other topics will be introduced through hands-on learning activities. (Prerequisite: EUT 1020).

EUT/GEOG 1025 **3 credits** **Alternative and Renewable Energy Systems**

Students will become acquainted with the background issues, scientific and geographic concepts, and technologies of alternative and renewable energy systems. This course also explores the potential of solar, biomass, photovoltaics, wind, and other energy sources.

EUT 1030 **4 credits (3 lecture, 1 lab)** **Transmission and Distribution and Metering of Power**

In this course, the student will be introduced to transmission, distribution, and metering systems used in the electric power industry. The electrical equipment, the theory of operations, system behavior, and other topics will be introduced through hands-on learning activities so that the student will acquire knowledge and skills to be able to enter into industry apprenticeship programs. (Prerequisite: EUT 1020 and EUT 1021. Co-requisite: MATH 1010).

EUT 1035 **3 credits (2 lecture, 1 lab)** **Photovoltaic Energy Systems**

Photovoltaic (PV) systems for the generation of electricity, for home use and for business, will be covered in theory and practice with emphasis on covering practical implementation measures. Experts in PV will provide, as a component of this course, current information on this developing renewable

energy technology.

EUT 1040* **4 credits (3 lecture, 1 lab)** **Power Electronics and Communications Equipment**

In this course, the student will be introduced to power electronics and communications equipment from the perspective used in the electric power industry. The course is intended to prepare the student for technical work in typical apprenticeship programs for electric utility technicians, and to dovetail into those apprenticeship programs. In this course, power electronics and communications equipment and other topics will be introduced through hands-on learning activities. (Prerequisite: EUT 1020 or approval of instructor).

EUT 1045 **3 credits (2 lecture, 1 lab)** **Wind Energy Systems**

Wind energy systems for the generation of electricity, for home use and for business, will be covered in theory and practice with emphasis on covering practical implementation measures. Course work will cover the site and the turbine fundamentals with the student preparing a system design proposal using actual data from current wind systems available. The class includes online and classroom learning opportunities with material from experts in the small wind field.

EUT 1050* **3 credits (2 lecture, 1 lab)** **Protective Relaying**

In this course, students will be introduced to the technologies of protective relaying, Electric Utilities use protective relays to monitor and disconnect electric transmission and distribution lines for fault conditions. Relay components, relay types, and relay maintenance techniques will be taught by an experienced electric utility relay professional. Students will learn through hands-on use of electronic equipment. Fault simulation equipment will be employed, and students will become acquainted with the activities encountered by relay technicians. (Prerequisite: EUT 1020, EUT 1021 or concurrent registration in EUT 1040).

EUT 1055 **3 credits (2 lecture, 1 lab)** **Home Energy Systems and Auditing**

The science of home energy systems and energy auditing methods will be covered in theory and practice with an emphasis on covering practical methods to increase home energy efficiency. Experts in home energy systems and auditing will provide, as a component of this course, information on current best practices.

EUT 1056* **3 credits (2 lecture, 1 lab)** **Residential Building Construction Techniques**

This course will cover basic home construction methods and techniques, as they relate to a buildings energy performance. This course will provide the basic knowledge required in understanding building methods that apply to the Home energy Audit field as well as better housing for healthier living

environments. (Co-requisite: MATH 0020 or consent of instructor).

EUT 1100* 3 credits (2 lecture, 1 lab)
Programmable Logic Controllers

In this course, the student will learn the basics of programmable logic controllers. They will learn the fundamentals of how PLCs operate and how to program them to perform simple control functions. The student will learn Ladder Logic programming using the Allen Bradley Control Logics software or equivalent, and interface input and output devices. (Prerequisite: EUT 1020 or Electrical experience and instructor approval).

EUT 1110 3 credits (1 lecture, 2 lab)
Fluid Power Systems

This course covers the general fundamentals of machine control utilizing pneumatics and electro pneumatics components. Concentrates on pneumatic systems, control devices and actuators related to machine control and interfacing of air and electrical circuits.

EUT 2010* 3 credits (2 lecture, 1 lab)
Advanced Home Energy Auditing

This course expands on the basic principles of the EUT 1055: Home Energy Systems and Auditing course. This course will look at returns on investments (ROI), the different types of remediation work, and the advanced heat loss calculators for Home Energy Rating Systems (H.E.R.S.) and Energy Star Ratings. The lab work will provide advanced building science testing, furnace testing, and zone pressure testing utilizing a building lab. (Prerequisite: EUT 1055).

EUT 2110* 3 credits (2 lecture, 1 lab)
Sensors and Controls

This course will provide students with the principles of measurement and control systems. The student will gain an understanding of different sensor technologies used to measure and detect physical properties used in a variety of electro mechanical, electro hydraulic and electro pneumatic systems. The student, through lab work, will also learn how to use and troubleshoot sensors used in open and closed loop control systems.

ENGLISH

The mission of the English department is to provide opportunities to explore, understand, appreciate, and effectively use the English language through reading, writing, and research.

ENGL 0094 2 credits
College Prep English II

College Prep Writing is designed to support students who need help with college-level writing. The course focuses on the fundamental elements of academic and professional writing. It provides qualified students with an opportunity to improve writing skills while acclimating to the challenges of college-level coursework.

ENGL 1099
Special Topics

ENGL 1101* 3 credits
College Composition

College Composition is a first semester freshman composition course which focuses on college-level writing. This course immediately addresses an essential academic skill, the ability to communicate ideas in written form. This course will provide you with academic skills and intellectual habits you will need throughout your academic career. (Meets MnTC goal area 1).

ENGL 1102* 3 credits
Advanced College Composition

Advanced Composition is a second semester freshman composition course that focuses on writing effective arguments and academic papers. Emphasis will be placed on the in-depth research paper, with attention paid to both MLA and APA styles. (Prerequisite: Passing Grade in ENGL 1101 College Composition) (Meets MnTC goal area 1).

ENGL 1110* 3 credits
Introduction to Literature

In this introductory survey course, students will read, discuss and write critically about a variety of literary texts: essays, memoir, poetry, short stories, novels and/or plays. Students will study a broad range of historical periods and location, including British, American and perhaps even global literature. (Prerequisite: ENGL 1101) (Meets MnTC goal area 6).

ENGL 1120* **3 credits**
Writing for Professionals

This course teaches the fundamentals of writing and communicating professionally, especially in our digital age. Students will learn how to write clear, concise, and persuasive workplace documents with special attention paid to the audience, tone, style, and purpose of any given message. Students will practice drafting, writing, and editing a variety of assignments, including emails, letters, blogs, newsletters, webpages, résumés, formal business letters, proposals, short reports, and presentations. This course fulfills the second semester English requirement. (Meets MnTC goal area 6) (Prerequisite: Student must have completed ENGL 1101).

ENGL 1130* **3 credits**
Creative Writing

Creative Writing focuses on learning and practicing techniques to help the beginning and intermediate writer create poetry, fiction, memoirs, sketches, and essays. The writer will develop a selected number of pieces to polish and "publish" as final projects. Attention is given to the development of critical judgment and individual interest. (Meets MnTC goal area 6) (Prerequisite: Must have completed ENGL 1101 or equivalent).

ENGL 2005 **3 credits**
American Indian Literature

In this class, you will sample foundational works from the American Indian Literary Renaissance and explore contemporary Native writers as they revise and redefine modes of literary expression. Readings will include novels, short stories, poetry, graphic novels, non-fiction, and other genre-defying works that address Native life, identity, and sovereignty. Special emphasis will be placed on Anishinaabeg writers and theorists. (Meets MnTC goal areas 6 and 7).

ENGL 2010* **3 credits**
Reading & Writing the Short Story

Reading and Writing the Short Story is the study of the short story as a specific artistic genre with attention given to fictional elements that enable each story to achieve its purpose. In addition, each story is read as a unique literary statement that affords a special vision of human experience. Students will explore this genre not only as readers but also as writers, having the opportunity to compose their own creative work during the semester. (Meets MnTC goal area 6 and 7) (Prerequisite: ENGL 1101).

ENGL 2015* **3 credits**
The Modern Novel

Designed to teach critical reading skills and the process of literary analysis, particular attention is paid to theme, artistic style, and literary techniques. Students should gain an understanding of and an appreciation for good literature. Several selected novels will be read and analyzed. (Meets MnTC goal area 6) (Prerequisite: ENGL 1101, Completion of ENGL 1110 recommended).

ENGL 2020* **3 credits**
Poetry

The study of selected poetry read to understand, appreciate, and enjoy this literary art form. Attention is given to major techniques and mechanics poets use. (Meets MnTC goal area 6) (Prerequisite: ENGL 1101 is required, completion of ENGL 1110 is recommended).

ENGL 2025* **3 credits**
Modern Drama

Survey of plays from Ibsen to the present. Almost every kind of writer in the modern theater is represented: realistic, expressionistic, and absurd. Emphasis is placed on the summation of man as he has come to sense himself in the nineteenth and twentieth centuries. (Meets MnTC goal area 6) (Prerequisite: ENGL 1101).

ENGL 2030* **3 credits**
Film as Art

The nature and possibilities of film as an art are examined in this course so that the viewer may gain a better understanding and appreciation of how the art works. Emphasis is centered on the relationship between the techniques of film making and their creative application. Also emphasized are the affinities film shares with literature. In addition, the student will investigate the history of cinemas, become acquainted with contemporary filmmakers, and will be exposed to critical approaches to film viewing. Designed to create intelligent and critical film viewers, the course incorporates film and textual materials. (Meets MnTC goal area 6) (Prerequisite: Student must have passed ENGL 1101).

ENGL 2031* **3 credits**
The Holocaust in Literature and Film

This course first presents the history of the Jews and antisemitism as a prelude to understanding the causes of and reactions to the Holocaust. Literary responses to the "Final Solution" will be examined through specific works from various generations, cultures, and genres. (Meets MnTC goal area 6) (Prerequisite: ENGL 1101).

ENGL 2035* **3 credits**
The Literature of Science Fiction

Designed to offer the student an understanding of the key concerns of science fiction, the course examines the relationship between humans and technology, the possibilities involved in alternate futures, and the ramifications of alternate value systems as reflected in the literature. (Meets MnTC goal areas 6 and 7). (Prerequisite: ENGL 1101).

ENGL 2040* **3 credits**
Mythology

An overview of myths from around the world. The student will be introduced to their place in literature and examine the allegorical, symbolic, and psychological aspects of myths. Myths from American Indian, Middle East, Greek and Roman, European, and African cultures will be studied. (Meets MnTC goal areas 6 and 8) (Prerequisite: ENGL 1101).

ENGL 2045 **3 credits**
Literature by Women

This course offers a social, historical, and political examination of literature written by women through the centuries in a variety of genres (novels, short stories, poetry, essays and memoirs). What role, if any, does an author's gender play in the production of a text and in our interpretation of it? Is there really a distinct manner of writing that is specific to women? How have women writers been understood and valued (or not) through time? While we will look for common themes among the work assigned, we will also uncover the vast diversity of human experience present in women's literature. Through the process, students will develop their critical reading, thinking, and writing skills and use them to analyze literary texts. (Meets MnTC goal areas 6 and 7.)

ENGL 2050* **3 credits**
Introduction to Language

What is language, how does language happen to a human, and how do humans judge each other on the basis of language? How are new languages born, and why do some die? English 2050 introduces students to the complex nature of human language and its biological, structural, and social dimensions through readings, lectures, speakers, and fieldwork. (Prerequisite: ENGL 1101).

ENGL 2055* **3 credits**
African American Literature: Reconstruction to Today

This course is designed to acquaint students with literature written by African Americans since the Civil War. The course material will be presented chronologically, focusing on specific literary movements and the themes prevalent in the literature. The course will help students become familiar with the characteristics of the various genres presented and build skills in literary analysis. Students will be able to discuss the goals of the writers, the influences on their work, and the literary quality of those works. (Meets MnTC goal area 6 and 7).

ENGL/AMIN 2200* **3 credits**
American Indian Children's Literature

Children's literature is an essential component when we teach literacy. American Indian children's literature will be emphasized in this course to allow students to become familiar with the opportunity to incorporate American Indian literature with the state standards for elementary education. The quality of literature with an emphasis on American Indian literature will provide students with instructional materials for

literacy education, and content areas that will stress the oral and written Anishinaabeg ways also. This course is designed to help students acquire knowledge of the different genres of children's literature and develop the ability to evaluate, select and have the opportunity to teach children's literature in an elementary classroom with an emphasis on multicultural literature specific to the Anishinaabeg. (Meets MnTC goal areas 6 and 7) (Prerequisite: ENGL 1101).

GEOGRAPHY

The mission of the Geography department is to emphasize the importance of places and the links between them in the past, the present, and the future in a way that fosters intellectual development in students. These links include such things as geographic information systems (GIS), cartography, environment, natural resources, communities, and cultures.

GEOG 1001 **3 credits (2 lecture, 1 lab)**
The Digital World

This course presents a broad overview of geospatial technologies used to observe, map, and describe our shared planet. The course is organized into an Introduction to Geospatial Information section and four sections introducing geospatial technology fields: Global Navigation Satellite Systems (GPS and others), Remote Sensing, Geographic Information Systems (GIS), and Cartography. Students will apply these technologies in hands-on labs. This course is intended for non-GIS majors but may be helpful as an introductory course for intended majors as well.

GEOG 1010 **3 credits**
Physical Geography

This course provides an introduction to the spatial patterns of the earth's physical environment highlighting maps, earth-sun relationships, weather, climate, water resources, soil, vegetation, and land forms. Students will perform lab-like activities through individual field experiences investigating physical aspects of local landscapes. (Meets MnTC goal areas 3 and 10).

GEOG 1015 **3 credits**
Geography of Food

From corn to croutons, lasagna to lefse, sauces and spices, students will embark on an investigation of where food comes from and how food shapes place locally and regionally. The conversation will transcend to the global arena, where food systems influence access and power yet are integral to tradition and celebration. Topics include food origins, production and distribution, food systems, and the relationship between food and culture, politics, and the environment through the lens of geography. This course has a service-learning component. (Meets MnTC goal areas 5 and 8).

GEOG 1020 **3 credits**
Cultural Geography

This course provides a systematic study of spatial patterns concerning the cultural elements of geography including cultural diversity, population, migration, agriculture, industrialization, urbanization, and the distribution of resources. (Meets MnTC goal areas 5 and 8).

GEOG/EUT 1025 **3 credits**
Alternative & Renewable Energy Systems

Students will become acquainted with the background issues, scientific and geographic concepts, and technologies of alternative and renewable energy systems. This course also explores the potential of solar, biomass, photovoltaics, wind, and other energy sources.

GEOG 1030 **3 credits**
Environmental Conservation

Integrated hands-on study of the physical, economic, social, and political aspects of natural resource management. Emphasis on identifying environmental problems and evaluating alternatives for resolution through data collection and critical thinking. (Meets MnTC goal areas 5 and 10).

GEOG 1040 **3 credits**
World Regional Geography

This course provides a geographical study of world regions with emphasis on internal spatial patterns and the interrelations of regions. (Meets MnTC goal areas 5 and 8).

GEOG/PE 1054 **1 credit lab**
Using GPS: Geocaching & Field Mapping

Curious about how to use a GPS unit? This course will inform students about the Global Positioning System (GPS) through both conceptual and hands-on applications, such as geocaching and field data collection. GIS software and associated applications will also be introduced.

GEOG 1099 **1–3 credits**
Special Topics

Study of special topics in Geography. Special course topics will be announced in the class schedule.

GEOG 2001 **3 credits (1 lecture, 2 lab)**
Introduction to GIS

This course introduces basic concepts of Geographic Information Systems (GIS). Students will apply GIS theory to hands-on laboratory activities and projects based on real-world scenarios and data. Industry standard online and desktop software is utilized to introduce data creation, acquisition, management, and editing, georeferencing, spatial analysis, symbolization, and map production workflows for a variety of professional GIS applications.

GEOG 2005 **4 credits (2 lecture, 2 lab)**
Cartography and Visualization

Course explores the art, science, technology, and ethics of map design and map making. Course topics include maps as representations of reality and culturally situated documents, the power of maps, coordinate systems and projections, scale and generalization, map elements, visual hierarchy and variables, typography, reference and thematic map types, and design considerations for print and web. Students will apply cartographic principles using industry-standard GIS and graphics software to design effective maps covering real-world social, cultural, and/or scientific themes. (Meets MnTC Goal Area 6).

GEOG 2010 **3 credits**
Disasters

An examination of the underlying causes and ultimate impacts of disasters, both natural and human-induced. Students will learn how disasters affect populations and appreciate the significance of location and how that can determine the presence of hazards. Topics will include, but are not limited to: Earthquakes, volcanoes, storms, radon, disease, extraterrestrial impacts, wildfires, population, and other phenomenon. Students will perform lab-like activities through problem-solving using computer-based simulations. (Meets MnTC goal areas 3 and 10).

GEOG 2030 **3 credits (2 lecture, 1 lab)**
Remote Sensing of the Environment

This course explores the fundamental concepts and applications of remote sensing. Students will investigate land-cover patterns of physical and social environments spatially and historically through laboratory activities. Course topics include electromagnetic principles, sensors and their characteristics, imagery data sources, image analysis, image classification and interpretation, LiDAR, and integration with GIS. (Meets MnTC goal area 3).

GEOG 2050* **4 credits (2 lecture, 2 lab)**
GIS Applications

Comprehensive consideration is given to a real-world geospatial project, either aligning with an external partner or suitable to the student's field of interest. Topics include data and file management, project management, advanced GIS analysis techniques, and developing and presenting products that convey project results. (Prerequisite: GEOG 2001 and GEOG 2005 or consent of instructor).

GEOG 2051* **4 credits (1 lecture, 3 lab)**
Web Mapping

This course covers the creation of both static and interactive online maps. Course topics include the basics of internet architecture, web data formats, web services, web cartography, UI/UX (user interface/user interaction) design,

and publishing on the web using HTML, CSS, and JavaScript. Students will create shareable web maps on real-world topics using both graphical mapping platforms and JavaScript code-based APIs. No prior coding experience is necessary. (Prerequisite: GEOG 2001, GEOG 2005 or instructor consent).

GEOG 2054* **3 credits (1 lecture, 2 lab)**
Programming in GIS

This course covers the automation of geoprocessing tasks using graphic GIS software, Python scripts, and open-source command line utilities. Students will be introduced to programming in Python and on the Windows command line, and will learn how to automate tasks with ArcGIS Model Builder, how to translate Model Builder into Python scripts, and how to create custom toolboxes for ArcGIS. No previous programming experience is assumed. (Prerequisite: GEOG 2001 or instructor consent).

GEOG 2090* **1–3 (Repeatable)**
Undergraduate Research

Independent experimental or theoretical research under faculty supervision. (Prerequisite: consent of instructor).

GEOG/PHIL 2095* **1-3 (Repeatable)**
Internship

Preparation for professional career through arranged internship in geography/geospatial technologies. Student will apply knowledge and skills from program coursework to internship experience. Student will acquire the social and technical skills expected in the workplace through this hands-on experience. (Prerequisite: advanced arrangement and consent of instructor).

GEOLOGY

It is the mission of the Geology department to provide introductory coursework in the geological sciences to meet the needs of students in liberal arts and pre-professional programs as well as of students who wish to pursue careers in these fields.

GEOL 1001 **4 credits (3 lecture, 1 lab)**
Introductory Geology

An introduction to the structure and evolution of the earth and its landforms, including the study of minerals and rocks, volcanic activity, earth quakes, and the theory of plate tectonics. The geology of Minnesota is emphasized. (Meets MnTC goal area 3).

GEOL 1099 **1–3 credits**
Special Topics

Study of special topics in Geology. Special course topics will be announced in the class schedule.

GEOL 2010 **4 credits**
Geomorphology

A study of the origin and evolution of landforms on the Earth's surface with emphasis on the examination of geomorphic processes through laboratory and field trip activities. Implications of human interactions with the environment from a geomorphic perspective will be incorporated. (Meets MnTC goal area 3 and 10).

HEALTH

The mission of the Health department is to provide students with opportunities for learning experiences that encompass all aspects of well-being, and to facilitate and encourage the development of healthy behaviors and life-styles through a variety of course offerings in an environment that is conducive to personal application of health goals for a lifetime.

HLTH 1005 **4 credits (2 lecture, 2 lab)**
**Introduction to Nursing/
Nursing Assistant/Home Health Aide**

This course introduces the concepts of basic human needs, the health/illness continuum, basic nursing skills, and how to apply basic nursing. It is designed to prepare the student for entry level employment as a Nursing Assistant—Registered at a long term care facility and as Home Health Aide in the home care environment. It also serves as an introduction to the nursing sequence for students who successfully complete the Minnesota State Nursing Assistant Test-Out (NATO) to be placed on the Minnesota Nursing Assistant Registry.

HLTH 1010 **3 credits**
Personal, Tribal and Community Health

This course examines the broad range of health information, from personal wellness to issues facing local and global communities. Topics include personal wellness, mental health, stress, nutrition, substance abuse, sexual health, the health marketplace, and current public health issues.

HLTH 1015 **3 credits**
Care & Prevention of Athletic Injuries

This course will provide students with the basic concepts of identification, prevention and care of common athletic injuries. Students will learn skills needed by coaches to provide initial care of injured athletes. A hands-on preventative injury taping component will be included. This course, along with First Aid and CPR, meets the hour requirement for MSHSL and Minnesota Statute 122A.33 necessary for the Athletic Coaching Certificate.

- HLTH 1032** **1 credit**
Health Care Provider-CPR & 1st Aid
 This class follows the current requirements of the American Red Cross. It provides instruction in dealing with emergencies, heart attack, and obstructed airway with emphasis on developing skills to properly perform techniques of rescue breathing and CPR for the adult, child, and infant. A Red Cross certificate is awarded upon successful completion.
- HLTH 1050** **3 credits (2 lecture, 1 lab)**
Emergency Response/ First Responder
 This First Responder course is designed to provide you with information and skills that will enable you, the learner, to provide emergency care to the sick and injured. The course will utilize both learning from the text and a hands-on approach that will promote confidence and competence in skills that will be used to provide care. This course is EMSRB certified. (Required for Law Enforcement).
- HLTH 1099** **1–3 credits**
Special Topics
 Study of special topics in Health. Special course topics will be announced in the class schedule.
- HLTH 2015** **3 credits**
Food: Safety, Risk & Technology
 Introduction to the risks and safety of the food supply, and the role public policy and food technology play in reducing these risks. The course will cover microbiological, chemical and environmental hazards, government and industry controls to ensure food safety, including the new US Food Safety Initiative and public perception of those risks. Emphasis will be placed on the prevention of biological, microbiological, physical and chemical deterioration of foods. This course focuses on issues related to everyday life and involves critical thinking and analyzing on the part of the student.
- HLTH 2025*** **6 credits (3 lecture, 3 lab)**
Emergency Medical Technician
 This course covers the most recent curriculum from US D.O.T. which presents assessment-based education and interventions. Medical direction for the EMT is an essential component of the curriculum to allow the EMT to carry and assist with the administration of medications to patients. Additional sections may be added to meet continuing education needs. This course meets or exceeds the EMT guidelines of the National Registry of Emergency Medical Technicians and the Minnesota State EMS Regulatory Board. (Prerequisite: HLTH 1050).

- HLTH/AMIN 2100** **3 credits**
Community Health/Wellness with Anishinaabe Perspective
 The focus of this course is on the overall health and wellness with an Anishinaabe perspective of the community. Development of teaching strategies appropriate for the holistic health and wellness including physical education activities, healthy nutritional choices, mental health, and spirituality for a balanced sense of self that will be appropriate for elementary school children. Discussion will be about the prevention of drugs, alcohol, and tobacco use; reduced risk and control of diseases; and the health and wellness in the communities.

HISTORY

The mission of the History department is to increase student understanding of the modern world through an examination of economic, social, and political history.

- HIST 1010** **4 credits**
History of Western Civilization I
 This course examines the history of western civilization to 1776 with a focus on economic, social and political developments. Topics include Ancient Civilizations, Ancient Greece and Rome, the Middle Ages and the Renaissance. (Meets MnTC goal areas 5 and 8).
- HIST 1011** **4 credits**
History of Western Civilization II
 This course examines the history of western civilization from 1776 to the present. The scope of the course includes economic, social and political developments. Topics include: political and economic revolution, the industrial age, the world wars and the cold war. (Meets MnTC goal areas 5 and 8).
- HIST 1012** **4 credits**
History of Global Civilizations I
 The course examines the history of global civilizations to 1700. The course uses a regional and chronological structure to a focus on economic, social and political history of global civilizations. (Meets MnTC goal areas 5 and 8).
- HIST 1013** **4 credits**
History of Global Civilizations II
 The course examines the history of global civilizations from 1500 to the present. The course uses a regional and chronological structure to a focus on economic, social and political history of global civilizations. (Meets MnTC goal areas 5 and 8).

HIST 1030 **4 credits**
History of United States I

This course examines the history of the United States to 1876. The scope of inquiry includes economic, social and political developments. Topics include: the colonial era, foundation of the American Republic, westward continental expansion and the Civil War. (Meets MnTC goal area 5).

HIST 1031 **4 credits**
History of the United States II

This course examines the history of the United States from 1876 to present. The scope of inquiry includes economic, social and political developments. Topics include: industrialization, the depression and New Deal, the world wars and the cold war. (Meets MnTC goal area 5).

HIST 1050 **4 credits**
American Indian History I

This course examines American Indian history to 1840. The course includes an examination of traditional American Indian cultures before contact and an examination of the conflict between American Indians and the expanding United States. (Meets MnTC goal areas 5 and 7).

HIST 1051 **4 credits**
American Indian History II

This course examines American Indian History from 1840 to present. Topics include: westward expansion and conflict, the reservation system, federal Indian policy, the termination era and the current movement towards self-governance. (Meets MnTC goal areas 5 and 7).

HIST 1099 **1–3 credits**
Special Topics

Study of special topics in History. Special course topics will be announced in the class schedule.

HUMAN SERVICES

The mission of the Human Services department is to assist students to grow in personal and cultural awareness and effectiveness; to acquire accurate and current knowledge of human services issues in practice; to develop listening, influencing, critical thinking, and counseling skills; and to prepare for employment or transfer through academics and field practicums.

HSER 1001 **4 credits**
Introduction to Human Services

This course provides a theoretical overview of beginning concepts in human services including the history and future of human services, the social welfare system, strategies of intervention, the helping role, professional ethics, diversity, values and human services.

HSER 1010 **4 credits**
The Helping Process

An introduction to the helping process, the course surveys the basic elements and contemporary strategies used in the field including case management, problem assessment, planning, documentation, professional ethics, and evidence based practice.

HSER 1099 **1–3 credits**
Study of special topics in Human Services. Special course topics will be announced in the class schedule.

HSER 2010* **4 credits**
Counseling Skills

This course is designed to increase the student's level of competency in conducting effective counseling interviews and establishing and developing counseling relationships. Using case study, classroom participation, and videotape, the student will develop competency in listening, influencing, and intervention skills, basic counseling skills, and the skills involved in conducting full interviews, including skills in working with special populations and situations, including cultural and gender issues. (Prerequisite: HSER 1010 or consent of instructor).

HSER 2020* **4 credits**
Family Dynamics

The course is designed as an introduction to the study of family systems theory, family dynamics, and the major theories of family counseling. Students will develop an understanding of family systems, develop basic skills in counseling family systems, and participate in classroom and outside assignments designed to increase awareness of the development of family dynamics within their own family system and across the changing sociological and cultural spectrum. (Prerequisite: HSER 1010 or consent of instructor).

HSER 2090* **2 credits**
Practicum

This course is the off-campus experiential learning component of the program. The emphasis is on gaining practical experience in using the techniques and knowledge gained in the classroom. Students will complete the contracted hours of supervised experience at the selected practicum site. Students will choose, with instructor approval, the site for the practicum, and determine objectives and goals of the practicum with the field supervisor and the instructor. Students will complete all requirements of the written contract, plus arrange and meet with the instructor on a weekly basis. (Prerequisite: Advanced standing in the Human Services program, concurrent registration for completion of core courses, and consent of instructor).

HSER 2095*
Practicum**4 credits**

This course is the off-campus experiential learning component of the program. The emphasis is on gaining practical experience in using the techniques and knowledge gained in the classroom. Students will complete the contracted hours of supervised experience at the selected practicum site. Students will choose, with instructor approval, the site for the practicum, and determine objectives and goals of the practicum with the field supervisor and the instructor. Students will complete all requirements of the written contract, plus arrange and meet with the instructor on a weekly basis. (Prerequisite: Advanced standing in the Human Services program, concurrent registration for completion of core courses, and consent of instructor).

JOURNALISM

The mission of the Journalism department is to provide students with the basic skills to pursue a career in journalism.

JOUR 1001**Mass Communication****3 credits**

This course is a survey of the theories and concepts important to understanding mass communication. A strong emphasis is placed on the effects of mass communication (newspapers, magazines, radio, and television) on society. The role and responsibility of the mass media in a free society is both examined and debated. (Meets MnTC goal area 9).

JOUR/AMIN 1070 **3 credits (2 lecture, 1 lab)**
Introduction to Audio Recording

This introduction to audio production will include principles of programming, producing, directing voice talent, interviewing and some engineering. This class will have direct exposure to recording equipment and soundboard at Fond du Lac Tribal and Community College Ojibwemowining Digital Arts Studio and exposure to the radio stations of the Fond du Lac Reservation.

JOUR 1099**Special Topics****1–3 credits****LAW ENFORCEMENT**

The mission of the Law Enforcement department is to provide a comprehensive approach to law enforcement focusing on current and past practices in enforcement, problem solving and conflict resolution, and community involvement and partnerships. The program focuses on utilizing information obtained from sources and applying this information to formulate and solve problems. Special attention is placed on global diversity and knowledge of different cultures.

LAWE 1001**Introduction to Criminal Justice****3 credits**

An analysis of the criminal justice system in the United States, including criminal law and the roles and relationships of agencies of crime and delinquency prevention, police, courts, and corrections.

LAWE 1005**Seeking Careers in Criminal Justice****3 credits**

An in-depth examination of the hiring processes and practices unique to criminal justice agencies. All areas and professions within the criminal justice system are discussed. Students will participate in a simulated hiring situation, beginning with an investigation of career goals, the application process, undergoing a comprehensive background investigation, and participation in mock interviews with professional representatives from a variety of criminal justice organizations. This course is recommended as both a career preparatory experience and as a career screening opportunity.

LAWE 1010**Crime & Delinquency****3 credits**

A study of crime and juvenile delinquency. Emphasis is placed on the juvenile justice system and upon the definition, nature, and causes of criminal behavior and the effect this has upon society.

LAWE 1020**Criminal Investigation****4 credits**

Fundamentals of criminal investigations, including overviews of crimes against persons and crimes against property; crime scene responsibilities, including crime scene securing, searching, and the collection and preservation of evidence; identifying and arresting suspects; report writing; obtaining information; interview and interrogation; and testifying in court.

LAWE/CSCI 1072* **3 credits**
Introduction to Cyber Crime
 Introduction to Cyber Crime is a basic introduction to concepts and investigative techniques used in cybercrimes investigations, as well as traditional investigations when digital evidence is present. Emphasis will be made on social networking, chat rooms, instant messaging, email, and peer to peer investigations. (Prerequisite: LAWE 2010 or Advisor Consent).

LAWE 1099 **1–3 credits**
Special Topics
 Study of special topics in Law Enforcement. Special course topics will be announced in the class schedule.

LAWE 2010* **3 credits**
Criminal Procedure & Evidence
 The study of executive, legislative, and judicial regulation of the criminal justice system under the federal and Minnesota constitutions with particular emphasis upon the police role in arrests, searches and seizures, interviews and interrogations, and identification procedures. The course also examines the rules of evidence which control criminal litigation. (Prerequisite: Passage of LAWE 1001 and LAWE 1010 with a grade in each of those courses of at least 2.0 and an overall college grade point average of at least 2.0 or permission of the instructor and the Law Enforcement Program coordinator).

LAWE 2020* **4 credits**
Minnesota Statutes and Traffic Law
 An introduction to substantive criminal law. Includes the classification and analysis of crimes and criminal acts, and the studying of criminal law as a means of preserving and protecting life and property. The course focuses on the provisions of the Minnesota Criminal and Traffic Code. (Prerequisite: Passage of LAWE 1001 and LAWE 1010 with a grade in each of those courses of at least 2.0 and an overall college Grade Point Average of at least 2.0 or permission of the instructor and the Law Enforcement Program coordinator).

LAWE 2030* **3 credits**
Critical Issues and Community Relations in the Criminal Justice System
 An examination of issues in law enforcement embracing the following: community-based policing; law enforcement and First Amendment rights; police ethics; community relations and crime prevention; crisis intervention; stress management; civil and criminal liability of officers; and selected judicial decisions and statutes. (Prerequisite: Passage of LAWE 1001 and LAWE 1010 with a grade in each of those courses of at least 2.0 and an overall college grade point average of at least 2.0 or permission of the instructor and the Law Enforcement Program Coordinator).

LAWE 2050 **3 credits (1 lecture, 2 lab)**
Use of Force I: Basic Defense Tactics
 Discussions and demonstrations of the continuum of force. This course will prepare students for verbal and physical encounters. Minnesota statutes regarding the use of force are discussed. Applicable federal case law is also discussed.

LAWE 2051 **4 credits (1 lecture, 3 lab)**
Use of Force II: Firearms
 This course will cover the use of deadly force. Minnesota statutes pertaining to the use of deadly force, firearms safety, shooting principles, and the care and cleaning of firearms. The course will familiarize the student with the Glock Pistol, Remington 870 shotgun, AR-15 Rifle, and less lethal options. The course will challenge the student's judgment and develop skills to deal with deadly force situations.

LAWE 2052 **2 credits**
Leadership, Ethics & Diversity in Law Enforcement
 This course examines the critical areas of leadership and ethics in policing. An integral part of this course is an examination of the leader role as it applies to the role of peace officer as the officer operates in diverse communities, including initial conflict resolution and problem solving. Special attention is given to critical issues currently facing law enforcement such as profiling.

LAWE 2053 **4 credits**
Practical Applications of Criminal Investigations
 This course involves primary incident response, the protection and subsequent collection of crime scene evidence, and the preliminary investigation procedures. Special attention is given to interview and interrogation of victims and suspects, report writing, and case preparation.

LAWE 2054 **4 credits**
Patrol Procedures
 This course examines the patrol function of the peace officer. Specific content areas include vehicle contacts and stops, emergency vehicle operations, traffic code enforcement, standard field sobriety testing, and response to public safety issues.

LAWE 2095* **1-3 credits**
Internship
 The purpose of the Internship is to provide law enforcement and criminal justice students with off campus practical experience. The site for the internship will be determine by the instructor. Students will successfully complete the requirements of the written contract, including the contracted hours of supervised experience.

MARKETING

The mission of the Marketing department is to provide an opportunity to be trained in the basic foundations of marketing. Students will develop the analytical, communication, and knowledge skills necessary in marketing to prepare them for the business world.

MKTG 1010 **3 credits**
Principles of Marketing

An introductory study of marketing as an important element of our economy. This course examines marketing institutions and their characteristics. Basic marketing functions, price theory and methods, product decisions, marketing segmentation, and marketing communications as related to social and political issues are studied.

MKTG 1020 **3 credits**
Small Business Management

This course stresses basic techniques in starting or buying a small business and successful operation procedures. The course includes financial planning, location, decision making, cost analysis, marketing, labor budgets, advertising, plus problems of stock control, taxes and insurance. Activities may be assigned in a business setting to develop skills related to running a small business.

MKTG 1030 **3 credits**
Sales Management

The principles and techniques of salesmanship are stressed along with a study of customer buying, behavior, and motivational theories. This course is designed to show the importance of personal selling as an integral component of the marketing mix.

MKTG 1035 **3 credits**
Sales Promotion and Advertising

This course provides students an opportunity to gain an understanding of advertising and other mass communications marketing practices, common business activities and terminology, perspectives applied when taking the optimal approach to decisions, plus descriptions and rationales of common practices.

MKTG 1099 **1–3 credits**
Special Topics

Study of special topics in Marketing. Special course topics will be announced in the class schedule.

MKTG 2015
Visual Merchandising

This course emphasizes merchandise presentation as a seller's tool for getting customers and clients' interests with branded products and services in conventional retail settings as well as non-traditional venues like grocery stores, special events, and trade shows. Students analyze branding and visual image in existing stores and online and devise ways to physically present products/services to targeted markets.

MATHEMATICS

The mission of the Mathematics department is to prepare students for practical applications of mathematics in their chosen disciplines and careers and to provide an overview of mathematics history and ideas for general intellectual strength.

MATH 0010 **3 credits**
Math Concepts

In-depth study of basic mathematics and pre-algebra skills. Topics include operations and principles using whole numbers, fractions, decimals, percents, and integers; solutions of first degree equations; exponents, applications and graphing.

MATH 0020* **3 credits**
Beginning Algebra

Beginning Algebra applies algebra and geometry to problem solving. Featured topics are problem modeling, linear programming, plane coordinate geometry, solid geometry, and appropriate computational methods. A review of basic topics is included: operations with real numbers and rational expressions, linear equations, systems of linear equations, geometry, set theory and logic, and operations with polynomials (Prerequisite: MATH 0010 or Accuplacer or instructor's permission).

MATH 0025* **1 credit**
Statistics Preparation

Statistics Prep is a one-credit course designed to be taken concurrently with Beginning Algebra. It will prepare students to take Intro to Statistics the following semester. Students will bridge beginning algebra topics to statistic applications that will ready them for college level statistics. Topics will include: using percent as applied to probability, familiarization with variables and symbols used in statistics, applying these variables to expressions and equations, linear equations as used in regression, and using technology to build spreadsheets and graphs for statistical analysis. (Prerequisite: Instructor permission. Concurrent MATH 0020 Beginning Algebra enrollment).

MATH 0030* **3 credits**
Higher Algebra

Review of operations with real numbers and with polynomials; solutions of linear equations and applications; factoring; operations with rational expressions and applications; solutions of quadratic equations, graphing techniques; solutions of systems of linear equations. (Prerequisite: MATH 0020 or placement through Accuplacer or instructor permission).

MATH 1010* **3 credits**
College Algebra

The real numbers, first degree equations and inequalities with word problem applications and linear graphs. Second degree equations and inequalities in one and two variables with the quadratic formula and graphs. Relations, functions, absolute value, and variation. Exponential and logarithmic functions with applications. Polynomial equations and complex numbers. Systems of equations and inequalities. (Meets MnTC goal area 4). (Prerequisite: MATH 0030 or placement by Accuplacer or permission of instructor).

MATH 1015* **2 credits**
Trigonometry

Study of angles in degree and radians; trigonometry functions of angles in a coordinate system and in triangles; solutions of triangles and applications; solutions of trigonometric identities and equations; graphs of the trigonometric functions and inverses. (Meets MnTC goal area 4). (Prerequisite MATH 0030 or equivalent).

MATH 1020* **3 credits**
Calculus: Short Course

A brief survey of calculus; Students will review real numbers, graphing, and functions. Core material includes limits, continuity, differentiation and integration. Applications of differentiation include minimizing/maximizing cost, profit, and revenue functions. Students will learn applications of the integral with respect to the physical, social, and behavioral sciences and use exponential and logarithmic functions to explore growth, decay, and population models. Students planning to enroll in more than one semester of calculus should begin with MATH 2001. (Prerequisites MATH 1010, placement by Accuplacer, or instructor consent).

MATH 1025* **3 credits**
Introduction to Contemporary Mathematics

This course is designed for students not pursuing a math or science major. The emphasis is on developing quantitative skills that can analyze a variety of practical applications. The main topics include counting methods, probability and statistics, exponential growth and network analysis. Optional topics could include logic, linear programming, set, voting theory, optimization, polygons and polyhedra and game theory. (Meets MnTC goal area 4). (Prerequisite: C grade in MATH 0020 or appropriate Accuplacer score).

MATH 1030* **3 credits**
Introduction to Statistics

An introduction to statistics suitable for social and behavioral science majors, but also suitable for students in other disciplines. Topics include statistical theory and experimental design, descriptive statistics, probability distribution models, regression analysis and correlation, inference, and sampling methods. (Meets MnTC goal area 4). (Prerequisite: MATH 0020 or placement by Accuplacer or permission of instructor).

MATH 1040* **3 credits**
Finite Mathematics

Primarily for students in the social sciences, behavioral sciences, and various business curricula. Provides an excellent background for statistics. Set theory with operations and Venn diagrams. Permutations, combinations, and binomial theorem. Probability: basic concepts, Baye's theorem, frequency functions, binomial probability. Matrices: operations, transposes, inverses, solutions of systems of linear equations. Markov chains: regular and absorbing. Linear programming with Simplex method. (Prerequisite: MATH 1010 or placement by Accuplacer or instructor consent).

MATH 1050* **4 credits (3 lecture, 1 lab)**
Mathematics for Elementary Teachers

The purpose of this course is to develop mathematical reasoning, problem solving, and communication through performing and interpreting experiments, thinking analytically, and incorporating practical applications that are important aspects of real world phenomena. This course is intended for the elementary education majors. (Prerequisite: MATH 1025 or instructor permission).

MATH 1099 **1–3 credits**
Special Topics

Study of special topics in Math. Special course topics will be announced in the class schedule.

MATH 2001* **5 credits**
Calculus I

The two semester calculus sequence is designed for mathematics, computer science, engineering, and natural sciences majors. An introduction to basic differential and integral calculus: limits, derivatives and applications, integration and applications. (Meets MnTC goal area 4) (Prerequisite: MATH 1010 and MATH 1015 or placement by Accuplacer or instructor permission).

MATH 2002* **5 credits**
Calculus II

Continuation of topics from calculus I: integration techniques, infinite series, conic sections, parametrized curves, multi-variable functions and partial derivatives. (Prerequisite: MATH 2001 or instructor permission).

MUSIC

The mission of the Music department is to increase students' understanding of musical works as expressions of the human imagination, personally, culturally, and globally; engage students in critical analysis and aesthetic dialogue, assist students in the development of an appreciation for music, and provide students with the tools and opportunities for individual and group expression of music.

MUSC 1010 **3 credits**
Music Appreciation

A general overview of the field of traditional European classical music within its historical, philosophical, and sociological context. The emphasis is on gaining familiarity with stylistic characteristics and representative composers as well as the acquisition of listening skills. Music of the non-western world as well as the western world will be included. No previous music experience is required. (Meets MnTC goal area 6).

MUSC 1020 **3 credits**
American Popular Music

An introduction to the roots of American popular music including blues, jazz, rock-n-roll, big band, and country. Discussion will center around the roles that culture and human diversity play in the development of "popular" musical styles and the interrelationships of these musical styles. (Meets MnTC goal area 6 and 7).

MUSC 1030 **3 credits**
Music of the World's Peoples

An introductory course that explores music in its original cultural settings throughout the world. Music of African, American Indian, Asian, Latin American, and Indian peoples will be studied and listened to. No previous musical experience is required. (Meets MnTC goal areas 6 and 8).

MUSC 1035 **3 credits**
American Indian Music

A course designed to acquaint students with music of various American Indian tribes, with a focus on music of the Ojibwe-Anishinaabeg. The course will take an historical approach examining various musical styles and genres of American Indian music from its earliest recordings through to the present. Students will develop an understanding of American Indian music while hearing, discussing, analyzing and participating in the American Indian musical experience. (Meets MnTC goal areas 6 and 7).

MUSC 1040 **2 credits**
Fundamentals of Music Theory

This course is for the student interested in acquiring the basic knowledge of Music Theory. The basic concepts of rhythm, melody, and harmony are studied, as well as chord inversions, altered chords, simple forms, and cadences. Students are introduced to the playing of instruments such as the recorder and piano. Students planning to major in Elementary Education must take this course to fulfill the requirements for an Elementary Education degree. Music majors and minors will need to take this course in sequence with Music 1041.

MUSC 1041* **5 credits**
Music Theory II

This course is a continuation of Music 1040. It is required for students planning to major or minor in music. Ear training, sight-singing, and musical analysis are an integral part of this class. The student will also be introduced to 7th chords, nonharmonic tones, secondary dominant chords, dominant chords, borrowing chords, and voice leading in addition to harmonization and composition. (Prerequisite: MUSC 1040 or consent of instructor).

MUSC 1070 **1 credit**
Vocal Ensemble (Choir)

The choir is a performance organization of mixed voices. Concerts are prepared using sacred and secular, a cappella and accompanied music. A requirement for vocal music majors and minors. May be taken for credit or as an activity (noncredit). May be repeated for credit. (Meets MnTC goal area 6).

MUSC 1072* **1 credit**
Instrumental Ensemble

Small instrumental ensembles allow students to explore literature for their particular instruments. Brass, woodwind, Percussion, or string ensembles are organized according to the interests of the students. May be taken for credit or as an activity (noncredit). May be repeated for credit. (Meets MnTC goal area 6) (Prerequisite: Consent of the instructor).

MUSC/ART 1250 **3 credits (2 lecture, 1 lab)**
Foundations of Anishinaabe and American Arts

The Anishinaabe culture and traditions will be the basis of the visual and performing arts for a beginning level of the elementary education coursework. These areas of the visual and performing arts are inclusive of art, dance, music, theater, and multimedia with the Anishinaabe emphasis. The personal, social, cultural and historical contexts will be influenced in the creation, interpretation or performance of the arts including the contributions of Minnesota American Indian tribes and communities. (Meets MnTC goal areas 6 and 7).

APPLIED MUSIC**1 credit**

Half-hour private music lessons are given on a one-to-one basis by arrangement with the instructor for anyone who is interested in studying voice or an instrument. Lessons may be taken each semester. A grade of C or better is required to progress to the next level. Students planning on majoring in music at their transfer institution should take lessons every semester. Lessons are highly recommended for music minors and for elementary education majors. (Prerequisite: Consent of the instructor) (Meets goal area 6).

MUSC 1080/1180/2080/2180
Voice

MUSC 1081/1181/2081/2181
Piano

MUSC 1082/1182/2082/2182
Brass

MUSC 1083/1183/2083/2183
Woodwind

MUSC 1084/1184/2084/2184
Percussion

MUSC 1085/1185/2085/2185
Strings

MUSC 1086/1186/2086/2186
Guitar

MUSC 1087/1187/2087/2187
Banjo

MUSC 1099
Special Topics

1–3 credits

Study of special topics in Music. Special course topics will be announced in the class schedule.

NURSING

The Nursing program at Fond du Lac Tribal and Community College is designed to train students for a range of careers in the field of Nursing. The program emphasizes work environment and situations common to rural health care sites. The Nursing program is approved by the Minnesota Board of Nursing.

NURS 1025***3 credits****Mathematics for Medication**

Mathematics for medication covers the mathematics necessary for clinical calculations. Dimensional analysis will be used to teach dosage calculations. Metric system, drug measure systems, reading medication labels and a review of basic mathematics will be included. This course is intended only for students in the nursing program. (Prerequisite: Appropriate placement test score or successful completion of MATH 0020. (There will be a chance to test out by taking a competency test that will be available for the student to take one time and pass at the 90% level).

NURS 1135***5 credits****Holistic Nursing Care I (3 lecture, 2 lab)**

Holistic Nursing I provides an introduction to the theoretical foundation for holistic assessment and nursing skills. The student is given an opportunity to demonstrate these skills in the laboratory setting. An overview of the nursing process provides the student with a beginning framework for nursing judgment. The student learning outcomes of Patient Centered Care, Quality Improvement, Professional Identity, Nursing Judgment and Teamwork, and Collaboration are reviewed. Emphasis is placed on the health needs of the American Indian population and the rural community.

NURS 1136***1 credit****Holistic Nursing Care I Clinical**

This clinical course emphasizes the knowledge and skills needed to provide safe, quality care. The student is given an opportunity to demonstrate basic assessment and nursing skills in a clinical setting. The nursing process is used as a decision-making framework to assist students in developing effective clinical judgment skills.

NURS 1140***4 credits (3 lecture, 1 lab)****Holistic Nursing Care II**

Holistic Nursing II introduces students to the care of the adult patients with a focus on health promotion and safety and common medical surgical health problems. Application of pathophysiology, nutrition and pharmacology are applied to common diseases within each topic area. Emphasis is placed on the health needs of the American Indian population and the rural community.

NURS 1141* 3 credits
Holistic Nursing Care II Clinical

This course focuses on the care of adult clients with health alterations that require medical and/or surgical intervention. Clinical experiences provide the student an opportunity to apply client centered care, cultural sensitivity, informatics, safe practice, nursing judgment and professionalism and implement safe client care to adults in a variety of settings.

NURS 2010* 5 credits (3 lecture, 1 lab, 1 clinical)
Bridge to Professional Nursing

This nursing course focuses on the transition of the licensed practical nurse to the Associate Degree Nursing student nurse conceptual learning level. The course has an emphasis on role transition, specific to: Patient Centered Care, Quality Improvement, Professional Identify, Nursing Judgment, and Collaboration. The clinical experience is designed to prepare and assess readiness of the licensed practical nurse. Emphasis is placed on the health needs of the American Indian population and the rural community.

NURS 2130* 1 credit
Community Clinical

The focus of the community clinical is to observe and engage in the provision of health care for a defined community. There are many different groups of people that may create a community. These communities may be defined by demographic, disease process, geographic location, or other defining characteristic. Furthermore, these communities require health care interventions and resources specific to that population of people. The clinical experience may be an observational experience, hands on nursing care, or special project dependent on the clinical site chosen. Students will have the opportunity to observe and engage in the nursing care of a community with a focus on the provision of culturally sensitive nursing care, focusing on the health needs of the American Indian population and/or the rural community.

NURS 2135* 4 credits (3 lecture, 1 lab)
Holistic Nursing Care III

Holistic Nursing III provides an integrative approach to the care of the childbearing women, newborns, and children. Prominence is placed on normal and high-risk pregnancies, normal growth and development, and common pediatric and obstetrical disorders. In addition, we will cover common mental health and behavioral disorders across the lifespan. Emphasis is placed on the health needs of the American Indian population and the rural community.

NURS 2136* 4 credits
Holistic Nursing Care III Clinical

This course provides an integrative, family-centered approach to the clinical setting. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe client care to childbearing women and newborns, children, and those with mental illness across the lifespan in a variety of settings.

NURS 2140* 4 credits (3 lecture, 1 lab)
Holistic Nursing Care IV

Holistic Nursing IV focuses on the care of adults with the complex medical/surgical health problems and comorbid diseases. Emphasis is place on the physiological disorders that require management in an acute care facility. Application of pathophysiology, nutrition and pharmacology are applied to co-morbid diseases within each topic area. Emphasis is placed on the health needs of the American Indian population and the rural community.

NURS 2141* 4 credits
Holistic Nursing Care IV Clinical

This course focuses on advanced nursing care of clients across the lifespan with complex multi-system health problems. Emphasis is placed on implementing time management and organizational skills while managing the care of multiple clients and collaborating with the interdisciplinary team. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe care to clients and selected groups in a variety of settings.

NURS 2145* 2 credits
Nursing Leadership

This course facilitates the transition of the student to the RN role and to the workplace. Concepts related to career development options that enhance career mobility are reviewed. Standards of practice and the importance of practicing according to state regulations and statutes for the scope of practice for the RN are examined.

PHILOSOPHY

The mission of the Philosophy department is to expand students' knowledge and application of philosophical study within a global environment, taking into consideration the historical and sociological values of the people and cultures reflected in philosophical writings.

PHIL 1010 3 credits Understanding the Bible as Literature, History, and Philosophy

This course is a systematic study of the literature of the Bible within its historical, cultural, and philosophical context. The influence of the Bible throughout history and specifically in today's society will also be explored. (Meets MnTC goal area 6).

PHIL 1020* 3 credits Critical Thinking

This course teaches both critical thinking and problem solving by emphasizing awareness of the thinking process. Topics will include understanding and evaluating arguments, various forms of reasoning, and common fallacies. (Meets MnTC goal area 4) (Prerequisite: MATH 0020 or Accuplacer score).

PHIL 1030 3 credits Introduction to Sustainability

This course introduces students to the concept of global sustainability as it relates to the environment, economics, and social equity; a brief history of sustainability, an overview of indigenous perspectives on sustainability, and a discussion of the role systems thinking and values, both personal and cultural, perform in developing sustainability practices. Case studies and/or case simulations will be used to provide the student with real world examples and applications. (Meets MnTC goal areas 8 and 10).

PHIL 1099 1–3 credits Special Topics

Study of special topics in Philosophy. Special course topics will be announced in the class schedule.

PHIL 2001 3 credits Introduction to Philosophy

An introduction to philosophical inquiry from a multi-cultural perspective. The student is presented with the history of philosophical thought through the discussion of several topics including reality, knowledge, religion, and ethics. (Meets MnTC goal areas 6 and 8).

PHIL 2010 3 credits Ethics

The study of Ethics has two basic components: the theory of ethics and the practical application of ethical theory. The student will learn the terminology and the history of ethical theory and become aware of the impact of culture on ethical study while exploring the practical application of ethical theory. (Meets MnTC goal areas 6 and 9).

PHIL 2020* 3 credits Logic

In this course students will be introduced to the basic concepts of logic including informal fallacies, categorical syllogisms, propositional logic and induction. (Meets MnTC goal area 4) (Prerequisite: Accuplacer score placing the student in MATH 1010).

PHIL 2030 3 credits American Indian Philosophy

This course examines in depth, the philosophy and religion of the American Indian within its historical, social, and cultural context. The student will recognize the significance of creation stories, and the impact of teachings on the relationship with and responsibility for the environment.

PHIL 2040 3 credits World Religions

This course is a survey of the world's diverse religious traditions. Through lecture, readings, and videos the student will explore these religious traditions including Native American, Christianity, Judaism, Islam, Hinduism and Buddhism. Basic philosophical questions relevant to the study of philosophy of religion will also be discussed. (Meets MnTC goal areas 6 and 8).

PHIL 2060 3 credits Ethics of Sustainability

This course addresses the role that ethics plays in the concept of sustainability. The student will be introduced to axiology (the study of values) and aretaic (virtue-based) ethics as well as the relationship between the Native American perspective of looking to the consequences of one's actions seven generations into the future and the development of one's personal ethical perspective.

PHIL 2070 3 credits Environmental Ethics

This course is an overview of ethical issues relevant to our ecological environment. The student will be introduced to traditional ethical theories as well as those theories directly relating to the environment. Core discussions will focus on possible answers to the question, "How does what we value influence our moral choices?" (Meets MnTC goal areas 6 and 9).

PHIL/GEOG 2095* 1–3 credits Internship

This internship provides an opportunity for students to take philosophy out of the classroom and use it in the real world by focusing their study on one or more aspects of philosophy and connecting it to a hands-on experience.

PHYSICAL EDUCATION

The mission of the Physical Education department is to promote healthy life-styles for the college community through sport, provide opportunities and encourage participation in a variety of individual, dual, and team sports, and to develop the interest, knowledge, and skills which enable participation in sport and fitness activities both while at the college and throughout life.

PE 1004 **1 credit**
Beginning Golf

The purpose of this class is to present the playing skills, rules, and knowledge of the game of golf to the beginner in such a manner that he/she can develop skills to the intermediate or advanced level.

PE 1006 **1 credit**
Beginning Bowling

Skills start at beginning level with emphasis given to fundamental technique. The objective is to try to combine a well-rolled ball with consistent aiming. Knowledge of the sport as a whole should be acquired.

PE 1009 **1 credit**
Beginning Tennis

The purpose of this class is to present the playing skills, rules, and knowledge of the game of tennis to the beginner in such a manner that he/she can develop skills to the intermediate or advanced level. (Student provides own racquet and one can of balls).

PE 1012 **1 credit**
Basketball

Fundamentals of basketball. Dribbling, shooting (set, jump, and free throw), and passing. Limited game-playing in one-on-one, three-on-three, and five-on-five settings.

PE 1013 **1 credit**
Volleyball

Learn to play power volleyball as you see it played in competition. Take the skills of pass, set, spike, block, and serve and coordinate them into a well-played game.

PE 1015 **1 credit**
Soccer

Learn to play soccer as you see it played in competition. Learn the fundamental skills of passing, dribbling, shooting and defensive positioning and goal tending. Games will be played in 4-on-4, 5-on-5 and 10-on-10. For beginner and experienced players.

PE 1018 **1 credit**
Softball

Basic skills of throwing, batting, base running, limited game strategy as used in the sport of softball. For the beginner and the experienced player. (Student provides glove).

PE 1019 **1 credit**
Cross Country Skiing

This course includes: basic skills in diagonal technique, short excursions to local ski trails, development of general knowledge concerning the sport of cross-country skiing. (Student provides own equipment; Minnesota state cross-country ski license required).

PE 1040 **1 credit**
Introduction to Conditioning

An entry-level survey course to introduce students to many different activities and methods that develop cardio-respiratory endurance. Students will be guided to set their own goals and develop programs to attain these goals.

PE 1041 **1 credit**
Fitness for Endurance

Emphasis on the cardiorespiratory development. Students will be asked to jog/run for 30 minutes at the conclusion of the course. Students will be guided to set their own goals and develop appropriate fitness program to meet these goals.

PE 1042 **1 credit**
Fitness through Walking

Introduction to walking as a means of fitness.

PE 1043 **1 credit**
Weight Training

An overview of the fundamental concepts and techniques of weight training, focusing on safety, proper lifting techniques, and overall fitness.

PE 1046 **1 credit**
Fitness Yoga

This course introduces students to basic yoga techniques and allows practice and development of the physiological and psychological aspects needed to perform these basic poses. Students gain knowledge in basic breathing and stress reduction.

PE 1047 **1 credit**
Aerobics

Course will follow the standards and guidelines of the Aerobics and Fitness Association of America. This will include a definition of aerobic exercise, medical considerations of the participant, body composition, nutritional needs, endurance development, flexibility, injury prevention, injury treatment and in-class participation in aerobic exercise.

PE 1048 **1 credit**
Winter Outdoor Activities

Introduction to safety, etiquette, and skills necessary for winter outdoor activities. This course will briefly introduce the student to areas of snowshoeing, orienteering, winter survival, and winter naturalist areas of plants, tracks, and winter night sky. (Additional fee; this course requires an overnight stay and is a weekend course).

<p>PE 1049 Summer Outdoor Activities Introduction to safety, etiquette, and skills necessary for summer outdoor activities. This course will briefly introduce the student to areas of canoeing, archery, riflery, challenge course, orienteering, and high ropes course or tower climbing. (Additional fee; this course requires an overnight stay and is a weekend course).</p>	<p>1 credit</p>	<p>PE 1063* Varsity Athletics-Basketball (Men) Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>
<p>PE 1051 American Indian Traditional Dance Introduction to history, songs, etiquette and cultural awareness of American Indian dance with an emphasis on Anishinaabe dances.</p>	<p>1 credit</p>	<p>PE 1064* Varsity Athletics-Basketball (Women) Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>
<p>PE/AMIN 1052 American Indian Hand Games This course provides an introduction to the history, rules, etiquette and skills of American Indian Hand Games. Handgames are a highly competitive game of skill and chance. The course focuses on both traditional styles of American Indian Hand Games played at the American Indian Higher Education Consortium Student Conference (AIHEC): Fathead and Cheyenne style. A traditional form of game among Indigenous people, the course also provides cultural awareness.</p>	<p>1 credit</p>	<p>PE 1065* Varsity Athletics-Softball Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>
<p>PE/GEOG 1054 Using GPS: Geocaching & Field Mapping Curious about how to use a GPS unit? This course will inform students about the Global Positioning System (GPS) through both conceptual and hands-on applications, such as geocaching and field data collection. GIS software and associated applications will also be introduced.</p>	<p>1 credit lab</p>	<p>PE 1066* Varsity Athletics-Baseball (Men) Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>
<p>PE 1060 Jujitsu Jujitsu is a traditional Japanese martial art. This art has its roots in the unarmed Japanese samurai tradition. It includes all the components of a complete martial art, such as throwing, joint locks, grappling, blocking, kicking, and striking. It is taught as a traditional martial art and as a basis for self-defense.</p>	<p>1 credit</p>	<p>PE 1075 Officiating Softball Techniques of officiating softball. Preparation for certification by the Minnesota State High School League as an official.</p>	<p>1 credit</p>
<p>PE 1061* Varsity Athletics-Volleyball Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>	<p>PE 1076 Officiating Volleyball Techniques of officiating volleyball. Preparation for certification by the Minnesota State High School League as an official.</p>	<p>1 credit</p>
<p>PE 1062* Varsity Athletics-Football Participation in intercollegiate sport competitions, including practices and games as required by the coach. (Prerequisite: Permission from instructor/coach required).</p>	<p>1 credit</p>	<p>PE 1077 Officiating Basketball Techniques of officiating basketball. Preparation for certification by the Minnesota State High School League as an official.</p>	<p>1 credit</p>
		<p>PE 1078 Officiating Hockey Techniques of officiating hockey. Preparation for certification by the Minnesota State High School League as an official.</p>	<p>1 credit</p>
		<p>PE 1083 Introduction to Physical Education A study of the history, philosophies of selected leaders, and present trends in physical education. Additional emphasis will be concerned with professional preparation and problems of leadership.</p>	<p>2 credit</p>

- PE 1099** **1–3 credits**
Special Topics
 Study of special topics in Physical Education. Special course topics will be announced in the class schedule.
- PE 1100** **2 credits**
Coaching Methods
 Course will cover topics and skills appropriate for sports coaching. Topics will include: Coaching philosophies, behavior management in sports, teaching progression, game and practice management, budgeting, psychology of coaching, conflict management.
- PE 2005*** **1 credit**
Advanced Golf
 A course for those interested in developing skill beyond the beginning level. Emphasis on the short game, reading a putt. (Additional fee; student provides own equipment). (Prerequisite: PE 1004, one year experience or consent of instructor).
- PE 2007*** **1 credit**
Advanced Bowling
 A course for those interested in developing skill beyond the beginning level. Emphasis on a hook ball delivery. (additional fee). (Prerequisite: PE 1006, one year experience with hook ball or consent of instructor).
- PE 2010*** **1 credit**
Intermediate Tennis
 For the experienced player who has reasonable control of fundamentals. Emphasis on advanced skills and strategy. (Prerequisite: PE 1009, or one year experience playing, able to sustain a rally. Student provides own racquet).
- PE 2046** **1 credit**
Fitness Yoga II
 This course expands on the fundamentals of Fitness Yoga I, with more emphasis on depth and understanding of postures (poses) breathing techniques, and self-discovery techniques. (Prerequisite: PE 1046 Fitness Yoga I).
- PE 2095*** **2 credits**
Coaching Practicum
 This course will provide students with the opportunity to employ coaching knowledge in a practical coaching environment. The student will work closely with a mentor coach in the field and have hands-on experiences that will develop their individual learning. Background check required for this course. (Prerequisite: PE 1100, HLTH 1015, HLTH 1032).

PHYSICS

It is the mission of the Physics department to provide introductory coursework in the fields of physics, astronomy, and meteorology to meet the need of students in liberal arts and pre-professional programs as well as of students who wish to pursue a career in these fields.

PHYS 1001* **4 credits (3 lecture, 1 lab)**
Introduction to Physics I

An algebra-based general physics course designed for pre-professional and non-engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be explored through extensive laboratory activities. (Meets MnTC goal area 3) (Prerequisite: high school Higher Algebra or consent of instructor).

PHYS 1002* **4 credits (3 lecture, 1 lab)**
Introduction to Physics II

An algebra-based general physics course designed for pre-professional and non-engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be explored through extensive laboratory activities. (Meets MnTC goal area 3) (Prerequisite: high school Higher Algebra or consent of instructor).

PHYS 1010* **5 credits (4 lecture, 1 lab)**
General Physics I

Calculus-level general physics course designed for science and engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be examined. (Prerequisite: Concurrent enrollment in Calculus sequence).

PHYS 1011* **5 credits (4 lecture, 1 lab)**
General Physics II

Calculus-level general physics course designed for science and engineering majors. Concepts in mechanics, electricity, magnetism, heat, light, sound, and modern physics will be examined. (Prerequisite: Concurrent enrollment in Calculus sequence).

PHYS 1020 **4 credits**
Introductory Astronomy

An introductory study of the nature and dynamics of the solar system and universe beyond. Observations of the sun, moon, planets, and stars will give students a personal and real-world connection to the universe we live in. (Meets MnTC goal area 3).

PHYS 1030 **3 credits**
Meteorology

An introduction to the study of the nature and dynamics of the Earth's atmosphere with emphasis on meteorological processes and weather observation. Implications of extreme weather on humans and the environment will be examined. (Meets MnTC goal area 3 and 10).

PHYS 1099 **1–3 credits**
Special Topics

Study of special topics in Physics. Special course topics will be announced in the class schedule.

POLITICAL SCIENCE

The mission of the Political Science department is to provide students with a basic overview of the national and international political arenas so that students can better understand how government should work and how it actually does work in the real world.

POLS 1010 **3 credits**
American Government

A study of the structure and function of the national government of the United States. The course examines the Presidency, Congress, and federal courts as well as the impact of interest groups, political parties, and the media upon government. (Meets MnTC goal area 5).

POLS 1020 **3 credits**
State and Local Government

This course examines the structure and function of state and local governments with emphasis on state and local problems and conditions in Minnesota. (Meets MnTC goal areas 5 and 9).

POLS 1030 **3 credits**
International Relations

This course examines contemporary international relations, foreign policy, and international organizations. (Meets MnTC goal areas 5 and 8).

POLS 1099 **1–3 credits**
Special Topics

Study of special topics in Political Science. Special course topics will be announced in the class schedule.

PSYCHOLOGY

The mission of the Psychology department is to provide a basic understanding of the science of psychology, prepare students for further training in the field of psychology, and promote an understanding that psychology is applicable in everyday living.

PSYC 1002 **1 credit**
College Success

The course is designed for students entering or planning to enter college and helps students understand the demands of college life. It explores strategies that contribute to success in college and life. Specific emphasis is placed on the student's exploration of who they are, what kind of expectations they have for themselves, and how to reach their goals. The course will use GPS LifePlan technology to explore college resources and life planning. Students will be prepared for their college experience and be able to meet the expectations of the college environment.

PSYC 1020 **3 credits**
Death, Dying & Bereavement

This course presents an overview of historical and contemporary perspectives on death, dying, and bereavement. Students will have the opportunity to explore their own values, beliefs, and attitudes regarding death-related experiences in our society. Topics include cross-cultural perspectives on death/afterlife, understanding the experience of loss within different developmental stages of life, dying in a technological age, end of life issues including moral and ethical issues, legal issues, rituals and funerals (Meets MnTC goal area 5 and 8).

PSYC 1030 **3 credits**
Drug Use and Abuse

A study of the pharmacology, physiological, psychological, behavioral, and societal effects of mood-altering chemicals. In addition to studying the effects of chemicals on the human body, the course will also examine some of the social, behavioral, and psychological, legal, medical, and rehabilitative aspects of drug use and abuse. (Meets MnTC goal areas 5 and 9).

PSYC 1099 **1-3 credits**
Special Topics

Study of special topics in Psychology. Special course topics will be announced in the class schedule.

PSYC 2001 **4 credits**
General Psychology

An introduction to the scientific study of human behavior: history, background and methods, development, perception, learning, thinking, motivation, emotion, intelligence, personality adjustment, mental health, and social psychology. (Meets MnTC goal area 5).

PSYC 2002 3 credits**Indigenous Psychology**

This course is designed to examine the psychology of Indigenous people of North America. Topics of study include Indigenous theories, the impact of historical trauma on Indigenous peoples, intergenerational trauma, the psychology of internalized oppression, and Indigenous healing interventions. Students will participate in class activities to enhance their understanding of indigenous worldview and learn specific counseling strategies in working effectively with indigenous populations. (Meets MnTC goal areas 5 and 7).

PSYC 2010* 4 credits**Developmental Psychology**

This course is designed to provide an overview of human development from conception through death. The course is designed to contribute to the students understanding of changes that occur across the lifespan. Topics include the biological processes, physical development, health, cognitive and socio-emotional development, as well as end of life issues. These topics will lend themselves to discussions that will include public policy and global concerns (Prerequisite: PSYC 2001 or consent of instructor) (Meets MnTC goal areas 5 and 8).

PSYC 2020* 3 credits**Group Dynamics**

The course provides the theory and practice in group communication. Topics include development, types and purposes of groups, group process, group norms and leadership skills. Students will spend a substantial part of the course time participating in groups, completing group projects and analyzing group process. (Meets MnTC goal area 5) (Prerequisite: HSER 1001 and HSER 1010).

PSYC 2030* 3 credits**Abnormal Psychology**

This course focuses on mental disorders and behavioral deviations with primary emphasis on etiology, classification, symptomology, and alternative therapeutic approaches. (Meets MnTC goal area 5) (Prerequisite: PSYC 2001).

SCIENCE

Courses under the SCI designator primarily apply to those interested in pursuing a major in the Anishinaabe and American Elementary Education program.

SCI 1280 4 credits (3 lecture, 1 lab)
Investigative Science I

This course is an introduction to the science areas of: life, biology, and engineering for the aspiring elementary education teachers. Basic concepts in chemistry, technology and biology will be covered with an emphasis on the scientific methods, inquiry based with hands on exercises in a lab setting. Anishinaabe aspects of science will be explored. (Meets MnTC goal area 3).

SCI 1285 4 credits (3 lecture, 1 lab)
Investigative Science II

An exploration of fundamental concepts in Earth and Space Science (chemistry and physics) through inquiry-based, hands-on exercises including the preparation and proper use of equipment and supplies in Earth science laboratory. Emphasis will be placed on science education principles and connections to state and national science education standards. This course will incorporate the Anishinaabe perspective throughout the course. (Meets MnTC goal area 3).

SOCIOLOGY

The mission of the Sociology department is to increase students' awareness of the social realities which impact their lives. These social realities will be examined beyond the common sense contexts of society. Students are encouraged to engage in an objective, socio-historical approach to understand social realities.

SOC 1001 3 credits
Introduction to Sociology

A survey of the characteristics of human group life with emphasis on the social structure of the social environment and its influence upon the individual. (Meets goal areas 5).

SOC 1020 3 credits
Human Relations

A study of the contributions and life-styles of the various racial, cultural, and economic groups in our society; recognizing and dealing with dehumanizing biases, discriminations and prejudices; learning to respect human diversities and personal rights; developing positive feelings toward all humanity. (Meets MnTC goal area 5 and 7).

SOC 1050 **3 credits****The Family as a Social Institution**

A cross cultural view of marriage and the family with the main emphasis on the contemporary American family. Topics discussed will be dating, counseling, and the adjustment of the spouse/partners (not only to each other, but to other problems such as religion, role, relatives, sex, money and finances, and time management). (Meets MnTC goal area 5).

SOC 1060 **3 credits****Human Sexuality**

For that person who wishes both to better understand his/her own sexual needs and behavior and to be more accepting of his/her neighbor whose sexual attitudes and behaviors might be different from his/her own. The major topics covered include the human sexual system, the sexual act, sexual attitudes and behavior, sexual complicators, and sex and society. Ideally suited for teachers, parents of teenagers, or for those persons who work or plan to work with young adults. (Meets MnTC goal area 5).

SOC 1099 **1–3 credits****Special Topics**

Study of special topics in Sociology. Special course topics will be announced in the class schedule.

SOC 2001* **3 credits****Human Diversity**

This course will examine the similarities and differences of people from various racial, social and cultural heritages. This course measures understanding of people from diverse groups living throughout the world. The course will emphasize historical developments in the U.S. in terms of interaction, which includes various forms of marginality and oppression. The course will conclude with an evaluation of course content in order for the student to find avenues for increased social involvement. (Prerequisite: College Level Reading and Writing or Instructor Permission).

SOC 2010 **3 credits****Social Problems**

Survey of contemporary social problems with emphasis on social disorganizations: mental and physical health, chemical dependency, crime and delinquency, racism and sexism, the elderly population, the environment, and liberties. Origins, social effects, public attitudes, and means of trying to resolve these conditions are stressed. (Meets MnTC goal areas 5 and 7).

SPEECH

The mission of the Speech Communication department is to provide students opportunities for the acquisition and enhancement of effective communication skills in the context of their personal and professional lives, and to help students recognize the importance of communication competence in a culturally diverse world. The department is committed to promoting cultural awareness, appreciation and inclusion in its examination of the communication process.

SPCH 1010 **3 credits****Public Speaking**

This course provides students the opportunity to develop and/or enhance their public speaking skills in both formal and informal contexts. With a focus on extemporaneous delivery, students will learn to organize, outline, research, prepare, and deliver introductory, ceremonial, informative, and persuasive speeches. Impromptu, manuscript and group discussion deliveries will also be practiced. The course will include techniques to minimize stage fright, analyze audiences and develop culturally inclusive speaking styles. (Meets MnTC goal area 1).

SPCH 1020 **3 credits****Interpersonal Communication**

An introduction to interpersonal communication concepts and theories, this course focuses on the acquisition of knowledge and skill for intrapersonal, interpersonal and intercultural communication competence. The course helps students: assess their strengths and needs as interpersonal communicators; recognize fundamental concepts and theories in everyday and professional situations; and develop and apply appropriate, practical communication skills. Students will learn the various dimensions of interpersonal communication, understand various processes within intrapersonal and interpersonal communication, and become more skilled and confident communicators. (Meets MnTC goal area 1).

SPCH 1030 **3 credits****Intercultural Communication**

This course intersects culture and interpersonal communication. The course provides opportunities for the acquisition and enhancement of interpersonal communication skills specific to communicating across various cultural contexts. Examining both culture generals and culture specifics, students learn how culture provides individuals with different worldviews, beliefs, attitudes and values, and examines how this creates difficulties in the intercultural/multicultural communication process. This course is designed to cultivate, promote and increase awareness appreciation, understanding, and communication competence with people outside one's immediate culture. (Meets MnTC goal areas 7 and 8).

