Courses projected to be offered during the next three school years are listed in this section.

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 communicating financial information to external parties through the balance sheet and the income statement. This course focuses on the process of how to record, classify, measure, and report business and small business data.

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, price level changes, partnerships and corporations, long-term liabilities, statement of cash flows, financial statement analysis, present value concepts, as well as other special business topics. (Prerequisite: ACCT 2001 or consent of instructor)

ACCT 2005 3 credits
Managerial Accounting
This course focuses on decision-making accounting. The course emphasizes the analysis and use of accounting information from the internal manager's perspective. (Prerequisite: ACCT 2002 or consent of instructor)

ACCT 2010 2 credits
Computerized Accounting Applications
A concentrated course in computerized software packages available to solve accounting problems. General Ledger and spreadsheets packages are emphasized with applications to computerized payroll, depreciation, budgets, and cash flow areas. Students will gain practice in setting up and solving accounting problems. (Prerequisite: ACCT 2001 and 2002 or consent of instructor)

AMERICAN INDIAN STUDIES
The mission of the American Indian Studies department is to provide for an 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 1050 3 credits
Anishinaabeg of Lake Superior
This course explores the past and contemporary history of the Anishinaabeg people of the Lake Superior region, including the migration to the area, conflicts and treaties, customs, and the spiritual and philosophical perspectives of the culture. This course focuses on the local history of Lake Superior Ojibwe, as well as an exploration of contemporary urban and reservation life as it pertains to the area. This course is a degree requirement for all students entering Fall 2001 and after.

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 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.

AMIN 2030/SOC 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.
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 to lead to the delivery of oral presentation.

ANSH 1001  4 credits
Introduction to Anishinaabe Language
This course will introduce students to the Anishinaabe language. Conversational and 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.

ANSH 1002  4 credits
Anishinaabe Language II
This course will continue to reinforce the conversational and writing skills which began in ANSH 1001. New vocabulary, grammatical concepts, and utilization of acquired skills will be emphasized. (Prerequisite: ANSH 1001)

ANSH 1099  1–3 credits
Special Topics
Study of special topics in Anishinaabe language. Special course topics will be announced in the class schedule.

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.

ANSH 2001  4 credits
Anishinaabe Language III
This course is designed for 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)

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)

ANTHROPOLOGY

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

ANTH 1001  3 credits
Introduction to American Indian Studies
This course will look at the various American Indian cultures of North America. North American prehistory and the historic period from contact to the present will be addressed. Indian history, religion, and philosophy will be studied with an emphasis on the Anishinaabe people of Minnesota.

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.

ART

Art instruction at FDLTCC 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
(1 lecture, 2 lab)
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.
ART 1010 3 credits (1 lecture, 2 lab)
Drawing I
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.

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. This course is conducted concurrently with Drawing I. (Prerequisite: ART 1010)

ART 1020 3 credits (1 lecture, 2 lab)
This course focuses on design process and resources, using environment at the core of its examination of function, purpose, and value. It additionally emphasizes design integrated as a lifestyle.

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

ART 1035 3 credits (1 lecture, 2 lab)
Painting II
Designed to encourage students to continue their development as artists/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. This course is conducted concurrently with Painting I. (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, brushwork, composition, and pictorial development.

ART 1060 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.

ART 1070 3 credits (1 lecture, 2 lab)
Introduction to Jewelry Design
An exploration of the design, materials, and technical processes of jewelry fabrication. Focus is on use of natural materials and found objects. (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.

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.

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

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. Students enrolling in this class must have basic understanding of computer functions and applications. (Prerequisite: CSCI 1001)

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

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 work with the instructor to gain proficiency in using the digital camera and software programs such as Photoshop to make images suitable for a variety of uses including personal photojournaling, internet publication, and fine art print. This course is conducted concurrently with Digital Photography I. (Prerequisite: ART 1095)

ART 2010 3 credits (1 lecture, 2 lab)
Sculpture I
Provides an introduction to the plastic arts through construction of three-dimensional and/or low relief sculptures. Students are taught to use...
basic traditional materials and methods such as clay modeling and simple metal fabrication.

**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. This course is run concurrently with Sculpture I. (Prerequisite: ART 1060, ART 1070, or consent of instructor)

**ART 2020 3 credits (1 lecture, 2 lab)**

**Ceramics I**
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.

**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. Conducted concurrently with Ceramics I. (Prerequisite: ART 2020)

**ART 2030 1 credit**

**Portfolio Development**
Students enrolled in this course will work one on one with an assigned instructor/mentor learning how to identify their best artistic efforts and how to prepare that artwork for exhibition and/or portfolio presentation. Hands-on preparation of traditional art portfolios and digital art presentations will be accomplished. (Prerequisite: Must be seeking FDLTCC AFA degree)

**ART 2040 3 credits (1 lecture, 2 lab)**

**Regalia, Traditional Dress, and Arts of the Ojibwe People**
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 student to have previous experience. (Prerequisite: ART 1060, ART 1070, or consent of instructor)

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

**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. Utilizing text/workbook, weekly tests and student activity CD-ROM, this course will provide the student with a working knowledge of common medical terms and abbreviations.

**BIOL 1010 4 credits (3 lecture, 1 lab)**

**Aspects of Biology**
Principles of modern biology stressing the origin and nature of life, evolution and taxonomy of the living kingdoms, developmental biology, population dynamics, ecology, and other biological issues focusing on the human as a model organism.

**BIOL 1060 4 credits (3 lecture, 1 lab)**

**Environmental Science**
A detailed study of the ecology of natural systems, pollution, solid, liquid and radioactive wastes, and energy.

**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 5 credits (4 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.

**BIOL 1102 5 credits (4 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. (Prerequisite: BIOL 1101)

**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.
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 and pollution. This study includes viruses, bacteria, fungi, algae, and protozoa. (Prerequisite: BIOL 1101)

BIOL 2015 3 credits  
Pathophysiology  
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. (Prerequisite: BIOL 2021)

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. (Prerequisite: BIOL 2021)

BIOL 2025 3 credits  
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. Communication of research results is also emphasized. Lecture and laboratory.

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. (Prerequisite: BIOL 2020)

BIOL 2030 3 credits (2 lecture, 1 lab)  
Botany  
A survey of the plant kingdom: taxonomy, morphology, physiology, ecology, and evolution of plants. (Prerequisites: BIOL 1101 and 1102)

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. (Prerequisite: BIOL 2011 and 1102)

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. The course also emphasizes the ethnobotanical values of these plants for such uses as tools, foods, medicines, art, and cultural/spiritual significance. Lab includes field trips and laboratory time to collect, identify, and preserve specimens. (Prerequisite: BIOL 1101)

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. (Prerequisite: BIOL 1101)

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 to measure the abundance of aquatic organisms, especially plankton, using field/lab instruments, sampling devices, microscopy, water chemistry, data analysis. (Prerequisites: BIOL 1101)

BUSINESS AND OFFICE TECHNOLOGY

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 communication 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 management, marketing, accounting, finance, and the 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  
A course for anyone interested in starting a business, working with an entrepreneurial company, or using entrepreneurial ideas to revitalize a larger company. This 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 students to consider how one's 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 1035**  3 credits  
Database and Data Spreadsheets  
Provides hands-on computer experience to learn the commands, functions, database capabilities, and use of macros (short programs) 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 business letters, memorandums, reports, and resumes. Emphasis is placed on developing effective and positive communication through the written message. Various aspects of oral communication are also covered.

**BUS 1064**  1 credit  
Customer Service  
The purpose of this course is to develop the student's 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 games customers and customer service people play.

**BUS 1072**  2 credits  
Topics in Successful Native American Entrepreneurs  
The purpose of this course is to introduce students to successful Native American entrepreneurs. This is a study of how a group of Native Americans combined traditional Native values with contemporary business practices and were successful. Students will demonstrate knowledge by developing a major case study of an area Native American entrepreneur.

**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 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. The course includes a study of current management principles and motivational /leadership skills that may be utilized in the business world.

**BUS 2030**  2 credits  
Personnel Administration and 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  
Principles 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 student's 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 borrower financial statements and budgets as performed by a credit 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.

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 merchandising process. (Prerequisite: consent of the 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 students 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 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, professional ethical concerns, and the mental health concerns. DSM criteria, dimensions models for treatment and several of the current counseling approaches including person centered, motivational, and cognitive/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 adolescents in their recovery.

CDEP 2020 4 credits
Chemical Dependency Assessment & 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, ethical, 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, 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.

CDEP 2050 5 credits
(5 lab)
Chemical Dependency Practicum I
The course is an off-campus experiential learning component of the Chemical Dependency Counselor State License (LADC) program. CDEP 2050 is one-half or 440 hours of the required 880 hours for the LADC. CDEP 2050 must be taken in sequence with CDEP 2051 in order to meet the LADC requirements. The one-credit Seminar I is a required component of CDEP 2050. 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.

CDEP 2051 5 credits
(5 lab)
Chemical Dependency Practicum II
The course is an off-campus experiential learning component of the Chemical Dependency Counselor State License (LADC) program. CDEP 2051 is one-half of 440 hours of the required 880 hours for the LADC. CDEP 2051 must be taken in sequence with CDEP 2050 in order to meet the LADC requirements. 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.

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 a presentation of the principles of inorganic chemistry including atomic structure, periodic classification of the elements, chemical bonding, matter and energy changes, solutions, electronic structure and acid base theory. (Prerequisite: MATH 0020)

CHEM 1002 4 credits
(3 lecture, 1 lab)
Organic Chemistry
This is a presentation of the principles of organic chemistry for students in science-related fields who only need one semester of organic chemistry. Topics include hydrocarbons, alcohols, ethers, aldehydes, ketones, acids, carbohydrates, lipids, and proteins. (Prerequisite: CHEM 1001)

CHEM 1010 5 credits
per course
(4 lecture, 1 lab)
General Chemistry I
An in-depth study of the principles of chemistry with emphasis on atomic and molecular structure, periodic relationships, stoichiometry, structural concepts, bonding, molecular geometry, and chemical reactions. (Prerequisite: high school chemistry, CHEM 1001, or consent of instructor)
CHEM 1011 5 credits
(4 lecture, 1 lab)
General Chemistry II
This course will provide an in-depth study of the principles of chemistry with emphasis on bonding, gas laws, phase changes of matter, solution chemistry, acids and bases, equilibrium, nuclear chemistry, and an introduction to organic chemistry. (Prerequisite: CHEM 1010)

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

CHEM 2010/2011 5 credits per course
(4 lecture, 1 lab)
Organic Chemistry I and II
Chemistry of aliphatic and aromatic hydrocarbon 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 or CHEM 1010)

COMPUTER SCIENCE

CSCI 1001 2 credits
Computer Literacy
An introduction to computing applications, history, and elementary theory requiring no prior computer experience or knowledge. The basic design of computer systems is covered, and a survey of computing history puts the present and future of computing in perspective. Students have a hands-on experience learning and using common applications such as word processors, spreadsheets, graphics editors, and Internet tools. (Prerequisite: MATH 1010 or equivalent)

CSCI 1020 3 credits
Introduction to Programming
An introduction to programming using a high-level language, such as C++ or Java. Programming techniques such as modularization, step-wise refinement, development of algorithms, documentation, and program testing will be covered. A hands-on approach using the high-level language to solve problems will be done in a laboratory setting. (Prerequisite: MATH 1010 or equivalent)

CSCI 1030 3 credits
(2 lecture, 1 lab)
Fortran Programming
An introduction to FORTRAN programming with a focus on program structure and statements, logical and arithmetic operators, elements of structured programming, transfer of control, formatted and unformatted input/output, DO loops, multidimensional arrays, function and subroutine subprograms, and input/output to external files. (Prerequisite: MATH 1010)

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. (Prerequisite: CSCI 1001)

CSCI 2010 4 credits
Introduction to Computer Science I
Programs, computers and problem solving; an introduction to a high level language, such as C++ or Java, and development of programming skills. Provides an introduction to computer organization, machine and assembly language exercises. Introduction to algorithmic problem solving. Overview of social and ethical issues with technology and computing, both with historical review and examination of contemporary issues.

CSCI 2011 4 credits
Introduction to Computer Science II
Algorithms and data structures; fundamental data structures such as stacks, queues, trees, and graphs are introduced and explored through exercises. Computational complexity is studied through analysis of standard searching and sorting algorithms. A high-level language, such as C++ or Java, is used for exercises with attention to developing good object-oriented programming style. (Prerequisite: CSCI 2010)
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 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 investigated. Agency procedures and existing laws will be used to analyze these issues.

CORR 2005  3 credits
American Jail 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 2030  1 credit
Corrections Seminar: Interpersonal Communication in a Correctional Setting
This course will prepare students for the specific communications skills needed in a correctional setting. Content will focus on evaluating situations through positioning, posturing, observing and distancing. Communicating with offenders through responding or asking questions; and controlling behavior through handling requests, making requests, and reinforcing behavior.

CORR 2040  1 credit
Corrections Seminar: Diversity Issues in Correctional Facilities
This course will explore ethnic and cultural differences experienced in correctional facilities. The course will aid the student in contrasting diversity issues in society and how issues of diversity affect correctional facilities. Myths and stereotypes are discussed with emphasis on how these impact facilities in the form of prejudice and discrimination by individuals and the institution itself.

CORR 2050  1 credit
Corrections Seminar: Social Problems in Correctional Facilities
This course will examine issues related to incarcerated populations and offenders with emphasis on the correctional social culture. Topics that will be discussed include security threat groups, chemically dependent, mentally ill, sex offenders, special needs, gender, juveniles, elderly, emotionally disturbed, and vulnerable adults.

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 the different perspectives outlined. Students will be required to keep a journal of their experiences. Minimum internship is 100 hours in one correctional facility completed over two months or less. (Prerequisite: CORR 2010. Open to second-year students only)

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 and education of children from birth through school age.

ECD 1001  3 credits
(2 lecture, 1 lab)
Overview of Child 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.

ECD 1010  3 credits
(2 lecture, 1 lab)
Child Care Issues and Program Practice
This course is for child care providers interested in learning more about child care as a profession, key elements of program management, and issues in family communications. Curriculum includes job descriptions, licensing requirements, developmentally appropriate learning environments, program routines, accreditation process, anti-bias program planning, reporting and planning for children with special needs.
COURSE DESCRIPTIONS

ECO 1099 3 credits (1 lecture, 2 lab)
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.

ECO 1099 1–3 credits
Special Topics
Study of special topics in Economics. Special course topics will be announced in the class schedule.
ENGL 0094 2 credits
College Prep English II
College Prep English II is the second of a two-course series designed to prepare students for college-level writing. The course content focuses on elements foundational to all academic and professional writing. Students will learn how to build well-constructed paragraphs and how to organize paragraphs into essays that achieve specific purposes. This course provides an excellent opportunity for students to develop and refine writing skills that directly apply to their future educational and career goals; for those who have been away from the classroom for awhile, it is also an opportunity to review and practice the fundamentals of writing. (Prerequisite: Accuplacer placement score of 61-84 or equivalent if an instrument other than Accuplacer was completed)

ENGL 1001 4 credits
College Writing I:
Composition and Research
College Writing is a freshmen-level writing course, the core of a two-semester English requirement. This course is a prerequisite for all English courses above 1001. Thesis development, idea organization, grammar and usage problems, and library research are studied and practiced. Students will be required to use a standard word processing program. (Prerequisite: ENGL 0094 or appropriate Accuplacer score)

ENGL 1010 3 credits
College Writing IIA:
Introduction to Literature
In this introductory literature course students will read, discuss, and write about essays, poems, short stories, and plays. This course fulfills the second semester of the English requirement. (Prerequisite: ENGL 1001)

ENGL 1020 3 credits
College Writing IIB:
Writing for Work
Students will study the principles of clear writing. Analyzing audience and purpose, students will write letters, reports, and documents commonly used in the workplace. Students will be required to use a standard word processing program. This course fulfills the second semester of the English requirement. (Prerequisite: ENGL 1001)

ENGL 1030 3 credits
College Writing IIC:
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. This course fulfills the second semester of the English requirement. (Prerequisite: ENGL 1001)

ENGL 1040 3 credits
College Writing IID:
American Indian Literature
A course designed to acquaint students with literature written by American Indians. The course will take a historical approach, tracing American Indian literature from its beginnings to present. It will examine stories, poems, novels, etc., from various male and female American Indian authors. The course will help students build skills in literary analysis through critical reading and writing. Students will be able to discuss the goals of the writers, the influences on their work, and the literary quality of those works. This course fulfills the second semester of the English requirement. (Prerequisite: ENGL 1001)

ENGL 1099 1–3 credits
Special Topics
Study of special topics in English. Special course topics will be announced in the class schedule.
ENGL 2010  3 credits
Modern Short Story
Modern 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. (Prerequisite: ENGL 1001)

ENGL 2015  3 credits
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. (Prerequisite: ENGL 1001)

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. (Prerequisite: ENGL 1001)

ENGL 2025  3 credits
Modern Drama
Survey of plays from Ibsen to present. Almost every kind of writer in the modern theatre is represented: realistic, expressionistic, and absurd. Emphasis is placed on the summation of humans as people have come to sense themselves in the nineteenth and twentieth centuries. (Prerequisite: ENGL 1001)

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 film makers, and will be exposed to critical approaches to film viewing. Designed to create intelligent and critical viewers, the course incorporates film and textual materials. (Prerequisite: ENGL 1001)

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. (Prerequisite: ENGL 1001)

ENGL 2040  3 credits
Mythology
An overview of myths from around the world. The student will be introduced to myths’ 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. (Prerequisite: ENGL 1001)

ENGL 2045  3 credits
Literature by Women
An examination of literature by and about women which explores how and why women write about their problems, aspirations, and search for self-identification and self-determination as writers. (Prerequisite: ENGL 1001)

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 1001)

ENGL 2055  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. (Prerequisite: ENGL 1001)

ELECTRIC UTILITY TECHNOLOGY
The mission of the Electric Utility Technology department is to provide students educational opportunities in electric energy, distributed and renewable energy sources, and electric utility technologies.

EUT 1010  3 credits
Introduction to Alternative and Renewable Energy Systems
Students will become acquainted with the background issues, scientific concepts, and technologies of alternative and renewable energy systems. The different types of systems will be surveyed and compared, and their future discussed.

EUT 1020  3 credits
DC Electricity for Electric Utility Technicians
This is the first half of a two-semester course sequence. Students will be introduced to Direct Current (DC) electric circuits and devices from the perspective used in the electric power industry. The topics of DC electric circuits, motors, generators, and other topics will be introduced through hands-on learning activities. (Co-requisites: PHYS 1001 and MATH 1010)

EUT 1021  3 credits
AC Electricity for Electric Utility Technicians
This is the second half of a two-semester course sequence. 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. (Co-requisite: PHYS 1002, Prerequisites: MATH 1010, PHYS 1001, EUT 1020)
EU T 1030  4 credits  (1 lecture, 3 lab)
Transmission, 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, EUT 1021)

EU T 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. (Prerequisite: EUT 1010 or instructor’s permission)

EU T 1040  4 credits  (1 lecture, 3 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, EUT 1021)

EU T 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. Experts in wind energy systems will provide, as a component of this course, current information on this developing renewable energy technology. (Prerequisites: EUT 1010 or instructor’s permission)

EU T 1050  3 credits  (1 lecture, 2 lab)
Protective Relaying
Students will be introduced to the technologies of protective relaying, and the activities encountered by relay technicians. 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 equipment. (Prerequisites: EUT 1020, EUT 1040)

EU T 1055  3 credits  (2 lecture, 1 lab)
Home Energy Systems & 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. (Prerequisites: EUT 1010 or instructor’s permission)

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 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 landforms. Students will participate in exercises exposing these concepts.

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 resource problems.

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.

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.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>GEOG 1050 Introduction to Geographic Information Systems (GIS)</td>
<td>3 credits</td>
<td>(2 lecture, 1 lab)</td>
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<td>Introduction to Geographic Information Systems (GIS)</td>
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<td>This course will introduce concepts of GIS theory. Hands-on applications will be used, primarily consisting of ArcGIS 9.x software. Students will complete lab assignments within appropriate topics and fields. Other topics may be explored as necessary and as deemed appropriate by the instructor. Topics may include, but not limited to, environmental assessment, crime analysis, and natural resource management.</td>
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<tr>
<td>GEOG 1052 Computer Cartography</td>
<td>3 credits</td>
<td>(2 lecture, 1 lab)</td>
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<td>Computer Cartography</td>
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<td>Students will apply principles and techniques using computer software to produce effective thematic maps. Both qualitative and quantitative types of thematic maps will be examined and created. (Recommended: BUS 1035 or CSCI 1001)</td>
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<tr>
<td>GEOG 1054 Introduction to Global Positioning Systems (GPS)</td>
<td>1 credit</td>
<td>(2 lecture, 1 lab)</td>
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<td></td>
<td>Introduction to Global Positioning Systems (GPS)</td>
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<td>This course will give students knowledge of the Global Positioning System (GPS), with both conceptual and hands-on applications. GIS software and real-world applications will also be introduced. This course also satisfies one Physical Education credit.</td>
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<tr>
<td>GEOG 1056 Data Acquisitions in GIS</td>
<td>3 credits</td>
<td>(2 lecture, 1 lab)</td>
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<td>Data Acquisitions in GIS</td>
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<td>Students will learn about and engage in the acquisition, conversion, and creation of digital data. Equipment used will include but not be limited to digitizers, scanners, utilization of remote sensing data, and a Global Positioning System (GPS).</td>
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<tr>
<td>GEOG 1058 Introduction to Remote Sensing</td>
<td>3 credits</td>
<td>(2 lecture, 1 lab)</td>
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<td>Introduction to Remote Sensing</td>
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<td>This course explores the fundamental concepts and applications of remote sensing. Various hands-on remote sensing analysis techniques will be covered during laboratory sessions, including image interpretation and classification for local and regional areas. Laboratory emphasis will be placed on practical applications of remote sensing techniques and technologies.</td>
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<tr>
<td>GEOG 2054 Programming in ArcGIS</td>
<td>3 credits</td>
<td>(1 lecture, 2 lab)</td>
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<td>Programming in ArcGIS</td>
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<td>Students will learn and apply basic object-oriented programming skills applicable to ESRI's ArcGIS software package. Web-based programming and simple web interfaces will be explored. Upon completion of this course, students will have amassed sample code for future use as well as acquired the skills to customize GIS applications.</td>
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<tr>
<td>GEOG 2059</td>
<td>1–3 credits</td>
<td>Special Topics</td>
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<td>Special Topics</td>
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<tr>
<td>GEOG 2060 Disasters</td>
<td>3 credits</td>
<td>Special Topics</td>
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<td>Disasters</td>
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<td>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, extra-terrestrial impacts, wildfires, population, and other phenomenon.</td>
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<tr>
<td>GEOG 2061 Geomorphology</td>
<td>4 credits</td>
<td>(3 lecture, 1 lab)</td>
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<td>Geomorphology</td>
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<td>An introduction to the study of landforms and the geometric processes that create and modify them. Topographic maps and aerial photographs are used as tools for interpreting the origin and geologic history of landscapes.</td>
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<tr>
<td>GEOG 2062 Visualization in GIS</td>
<td>3 credits</td>
<td>Special Topics</td>
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<td></td>
<td>Visualization in GIS</td>
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<td>Students will examine and apply 3-D GIS technology. Students will use ArcGIS software along with the 3-D Analyst extension. Additionally, students will utilize a GeoWall for 3D visualization. (Prerequisite: GEOG 1050 or permission of instructor)</td>
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<tr>
<td>GEOG 2063 Special Topics</td>
<td>1–3 credits</td>
<td>Special Topics</td>
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<td>Special Topics</td>
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<td>Study of special topics in Geography. Special course topics will be announced in the class schedule.</td>
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<tr>
<td>GEOG 2064 Geology</td>
<td>4 credits</td>
<td>(3 lecture, 1 lab)</td>
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<td>Geology</td>
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<td>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.</td>
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<tr>
<td>GEOG 2065 Disasters</td>
<td>3 credits</td>
<td>Geology</td>
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<td>Disasters</td>
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<td>An introduction to the structure and evolution of the earth and its landforms, including the study of minerals and rocks, volcanic activity, earthquakes, and the theory of plate tectonics. The geology of Minnesota is emphasized.</td>
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<tr>
<td>GEOG 2066</td>
<td>1–3 credits</td>
<td>Special Topics</td>
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<td>Study of special topics in Geology. Special course topics will be announced in the class schedule.</td>
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<tr>
<td>GEOG 2067 Geomorphology</td>
<td>4 credits</td>
<td>(3 lecture, 1 lab)</td>
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<td>Geomorphology</td>
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<tr>
<td></td>
<td></td>
<td>An introduction to the study of landforms and the geometric processes that create and modify them. Topographic maps and aerial photographs are used as tools for interpreting the origin and geologic history of landscapes.</td>
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</tbody>
</table>
HEALTH

The mission of the Health department is to provide 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 1001  3 credits
(1 lecture, 2 lab)
Introduction to Nursing/
Long Term Nursing Assistant
This course introduces the concepts of basic human needs, health/illness continuum and basic nursing skills. It is designed to prepare the student for entry-level employment as a Nursing Assistant I at a long-term care facility and serves as an introduction to the nursing sequence for students who successfully complete the Minnesota Nursing Assistant Test-Out to be placed on the Nursing Assistant Registry.

HLTH 1002  1 credit
Home Health Aid
This course is designed to instruct students to apply basic nursing principles in caring for the client at home. The course continues from the 84-hour Long-Term Nursing Assistant course. Students are prepared for entry-level employment. Successful completion of the State NA Test-out is required for a Home Health Aid Certificate. (Prerequisite: HLTH 1001)

HLTH 1010  3 credits
Personal, Tribal and
Community Health
Frank, open discussions of current health issues affecting today’s society, both as an individual and as a member of the community.

HLTH 1025  6 credits
(4 lecture, 2 lab)
Emergency Medical Technician
This course covers the US D.O.T. 1994 Emergency Medical Techni-
cian-Basic (EMT-B) curriculum which presents assessment-based education and interventions. Medical direction for the EMT-Basic is an essential component of the curriculum to allow for the EMT-Basic to carry and assist with the administration of medications to patients. Additional sections may be added to meet continuing education needs (Advanced Airways, etc.). This course meets or exceeds the EMT-B guidelines of the National Registry of Emergency Medical Technicians and the Minnesota State EMS Regulatory Board. (Prerequisite: Current Health Care Provider CPR Card or complete HLTH 1032)

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
Emergency Response/
First Responder
The content and activities of this course will prepare participants to make appropriate decisions about the care required in an emergency. The course teaches the skills a First Responder needs to act as a crucial link in the emergency medical services system. Upon successful completion the student shall receive American Red Cross certification in Emergency Response. 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, Risks,
and Technology
Introduction to the risks and safety of the food supply, including the use of public policy and food technology to reduce or control those risks. The course will cover microbiological, chemical, and environmental risks with our food supply. Review of government and industry controls that are used to ensure food safety will be discussed.

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.

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.

HIST 1030  4 credits
History of the 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.
COURSE DESCRIPTIONS

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.

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.

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.

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 and 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, 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. Basic relationship skills and counseling approaches including, cognitive, behavioral, brief therapies, and integrative strategies such motivational and special populations approaches are included. (Prerequisite: HSER 1001 or consent of instructor)

HSER 2095 (4 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 the 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. (Prerequisites: 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 3 credits
Mass Communication
A survey of the theories and concepts important to understanding mass communication. A strong emphasis will be placed on the effects of newspapers, magazines, radio, and television on society. The role and responsibility of the mass media in a free society will be debated.
LAWE 1001 3 credits
Introduction to Criminal Justice
An analysis of the criminal justice system in the United States, including criminal law and the roles and responsibilities of agencies of crime and delinquency prevention, police, courts, and corrections.

LAWE 1005 3 credits
Seeking Careers in the Criminal Justice System
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/SOC 1010 3 credits
Crime and Delinquency
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 4 credits
Criminal Investigation
Fundamentals of investigation, crime scene search and recording, collection and preservation of physical evidence, scientific aids, modus operandi, sources of information, interview and interrogation, follow-up and case preparation.

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 and 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: pass LAWE 1001 and LAWE 1010 with a grade in each of those courses of at least 2.00 and an overall college grade point average of at least 2.00 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
Provides an overview of the concepts of Community Orientated Policing (COP) and Community Problem Solving. (Prerequisite: pass LAWE 1001, LAWE 1010 with a grade in each of those courses of at least 2.00 and an overall college grade point average of at least 2.00 or permission of the instructor and the law enforcement program coordinator)

LAWE 2050 3 credits
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
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. (Prerequisite: LAWE 2050)
COURSE DESCRIPTIONS

COURSES

COURSE

LAWE 2052  2 credits
Leadership, Ethics, and 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 and policing diverse communities. (Prerequisite: LAWE 2050 and 2051)

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 preliminary investigation procedures. Special attention is given to interview and interrogation of victims and suspects, report writing, and case preparation. (Prerequisite: LAWE 2050 and 2051)

LAWE 2054  4 credits
Patrol Procedures
This course examines the patrol function of the peace officer. Specific content areas include vehicle contacts and traffic stops, emergency motor vehicle operations, traffic code enforcement, standard field sobriety testing, and response safety issues. Practical applications are the primary methods of instruction. (Prerequisite: LAWE 2050 and 2051)

MARKETING

COURSE

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

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  4 credits
Small Business Management
(3 lecture, 1 lab)
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.
Lab: Activities addressed and performed in the lab will be those related to the above course description. The lab time will be spent working in the student-owned and operated coffee shop.

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
An introduction to algebra with emphasis on operations with real numbers and polynomials; operations with rational expressions, solutions of linear equations and quadratic equations and graphing.
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.

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. (Prerequisite: MATH 0030 or equivalent)

MATH 1015  2 credits  
Trigonometry  
Study of angles in degree and radian measure; trigonometric 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. (Prerequisite: MATH 0030 or equivalent)

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. (Prerequisites: C grade in MATH 0030 or appropriate Accuplacer score, fully prepared for college-level)

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. (Prerequisite: MATH 0030 or equivalent)

MATH 1050  4 credits  
Mathematics for Elementary Teachers  
A mathematical survey course designed for elementary education majors and liberal arts students. Topics include set theory, properties and operations using the real numbers, numeration systems, calculations in bases other than ten, prime numbers, divisibility, theory of equations, applications of equations, algebra, geometry, graph theory, consumer application problems, and statistics. (Prerequisite: MATH 1010, MATH 1025 or equivalent)

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  
An introduction to basic differential and integral calculus: limits, derivatives and applications, integration and applications. (Prerequisite: MATH 1010 and 1015, appropriate Accuplacer score, or consent of instructor)

MATH 2002  5 credits  
Calculus II  
Continuation of topics from Calculus I: Integration techniques, infinite series, conic sections, parameterized curves, polar equations, multivariable functions and partial derivatives. (Prerequisite: MATH 2001 or equivalent)

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.

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.

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 required.
COURSE DESCRIPTIONS

MUSC 1035  3 credits
American Indian Music
A course designed to acquaint stu-
dents with music of various Ameri-
can Indian tribes, with a focus on
music of the Ojibwé-Anishinaabeg.
The course will take a 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 Ameri-
can Indian music while hearing, dis-
cussing, analyzing and participating
in the American Indian musical
experience.

MUSC 1040  2 credits
Fundamentals of Music Theory
This course is for the student inter-
sted in acquiring the basic knowl-
dge of music theory. The basic con-
cepts of rhythm, melody and harmo-
ny are studied, as well as chord
inversions, altered chords, simple
forms, and cadences. Students are
introduced to the playing of instru-
ments such as the recorder. Students
planning to major in Elementary
Education must take this course to
fulfill the requirements for an Ele-
mentary 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 stu-
dents 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 dom-
inant chords, dominant chords, bor-
rowing chords, and voice leading in
addition to harmonization and com-
position. (Prerequisite: MUSC 1040
or consent of instructor)

MUSIC 1070  1 credit
Vocal Ensemble (Choir)
The choir is a performance organiza-
tion 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 a non-credit activity. (May be
repeated for credit.)

MUSIC 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 a noncredit
activity. (May be repeated for
credit.) (Prerequisite: consent of
instructor)

APPLIED MUSIC
(Fifteen 30-minute
lessons per semester)  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 recom-
A
mended for music minors and for
elementary education majors.
(Prerequisite: consent of the
instructor)

MUSIC 1080/1180/2080/2180
Voice
MUSIC 1081/1181/2081/2181
Piano
MUSIC 1082/1182/2082/2182
Brass
MUSIC 1083/1183/2083/2183
Woodwind
MUSIC 1084/1184/2084/2184
Percussion

MUSIC 1085/1185/2085/2185
Strings
MUSIC 1086/1186/2086/2186
Guitar
MUSIC 1099  1–3 credits
Special Topics
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 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 1001  4 credits
Foundation of Nursing
The Foundation of Nursing course
introduces the student to the con-
cepts of cultural diversity, wellness,
holism and role of the nurse. Other
concepts include asepsis, nutrition,
psychological care, sexuality, and
pain management. Body systems are
introduced with an emphasis on the
neurological, respiratory, gastroin-
testinal, and genitourinary systems.
Physical comfort and safety, care of
the older adult and perioperative
care are also addressed. (Co-requi-
site: PSYC 2030, BIOL 2015. Pre-
quisite: Admission to Nursing
Program)

NURS 1005  3 credits
Clinical Foundations
This clinical course provides oppor-
tunity to apply basic theory and
implement skills in a variety of inpa-
tient settings. Students utilize the
nursing process to collect data,
实施nursing interventions and
administer medication. Empha-
sis is placed on organization, critical
thinking, therapeutic communica-
tion and a holistic approach to patient care. Concepts of health promotion, illness prevention, and restoration of health are included. (Co-requisite: BIOL 2015)

NURS 1010 4 credits  
Application of Nursing  
Application of Nursing introduces the student to alterations in functioning, including basic disease processes. The integumentary, respiratory, gastrointestinal, genitourinary, endocrine, cardiovascular, hematological, neurological, neurosensory, and musculoskeletal systems are included. Oncology, end of life care and body responses to stress, disease and therapeutic interventions are incorporated. (Co-requisite: BIOL 2015. Prerequisite: All first semester nursing courses)

NURS 1015 2 credits  
Family Nursing  
Family Nursing introduces the student to the childbearing/childrearing family. Concepts included are psychosocial, normal physical and abnormal conditions of pregnancy, the health and illness of the newborn through the adolescent and the influence of the community on the family. Application of growth and development theory to direct patient care is emphasized. (Co-requisite: BIOL 2015. Prerequisite: all first semester nursing courses)

NURS 1016 2 credits  
(1 obstetrics, 1 pediatrics)  
Family Nursing Clinical  
This clinical course includes on-campus lab and community based care in a variety of settings. Emphasis is placed on critical thinking, therapeutic communication, nursing interventions and a holistic approach in caring for childbearing and childrearing families. Two consecutive labs, one in obstetrics and one in pediatrics. (Co-requisite: BIOL 2015)

NURS 1020 1 credit  
Ethics in Nursing  
Ethics in Nursing develops the student understanding of ethical issues in healthcare, scope of practice, ethical decision-making, and client advocacy. Principles of ethics, legal issues in healthcare and cultural diversity are threaded throughout the course. (Co-requisite: BIOL 2015. Prerequisite: completion of all first semester nursing courses)

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 0010)

NURS 1030 1 credit  
Psychosocial Nursing  
Psychosocial Nursing introduces students to relevant concepts in the mental health care of individuals experiencing interferences to meeting psychosocial needs. The impact of culture on the perception of mental health and the provision of mental health care is included. Emphasis is placed on the use of interpersonal communication and critical thinking as primary tools of the nurse in planning mental health care. (Co-requisite: BIOL 2015. Prerequisite: completion of all first semester nursing courses)

NURS 1045 3 credits  
Nursing Interventions  
Nursing Interventions is an on-campus lab-based course. Content correlates with the Foundation of Nursing course. The nursing process is introduced and competencies relating to critical thinking, asepsis, oxygenation, nutrition, elimination, and the neurological system are demonstrated and validated. (Co-requisite: NURS 1001, BIOL 2020)

NURS 1050 4 credits  
Clinical Application  
This clinical course facilitates application of theory and nursing interventions in a variety of inpatient settings. Holistic application of the nursing process and development of organizational and critical thinking skills in caring for multiple patients is emphasized. (Co-requisite: BIOL 2015. Prerequisite: completion of all first semester nursing courses)

NURS 1055 1 credit  
Service Learning for Nursing  
Service Learning in Nursing encourages the student to develop an appreciation of individual diversity within the community. Learning occurs in a variety of settings including community-based organizations, residential care settings, and faith-based organizations. Students provide a variety of services through faculty facilitated experiences. (Co-requisite: BIOL 2015. Prerequisite: completion of all first semester nursing courses)

NURS 1070 1 credit  
Nursing Role Transition  
Nursing Role Transition is intended for the licensed practical nurse returning to nursing education. Transitional topics are differentiated scope of practice, the nursing process and current trends and issues in healthcare. Program philosophy and framework are presented. (Prerequisite: LPN license, accepted into second year of Nursing program)

NURS 1075 2 credits  
Nursing Role Transition Clinical  
This clinical lab course is designed to transition the licensed practical nurse into the registered nurse level abilities. Application of the nursing process, critical thinking, nursing interventions and therapeutic communication skills are emphasized in on-campus lab and direct patient care settings. (Prerequisite: LPN license, accepted into second year of Nursing program)
NURS 2100 3 credits
Health Assessment
Health Assessment students learn to perform a comprehensive health history and physical examination. The development of a holistic database reflecting an understanding of developmental, sociocultural, environmental, sexual and family influences is emphasized. Further emphasis is placed on the development of communication skills that enhance data gathering techniques, health teaching and referral skills. Complete health examinations focus on the identification of normal patterns and functions of adults and children. (Co-requisite: BIOL 2010, Prerequisite: completion of Practical Nursing Program, LPN license)

NURS 2110 3 credits
Integration of Nursing
Integration of Nursing focuses on the impact of acute and chronic illness to the basic needs of patients and their families. Holistic assessment and analysis will be emphasized in planning care for patients with commonly recurring illnesses. Concepts of culture, complementary therapy, wellness, and health promotion will be integrated within selected case studies. The teaching role of the nurse is threaded throughout the course. (Co-requisite: BIOL 2010, Prerequisite: completion of Practical Nursing Program, LPN license)

NURS 2115 4 credits
Clinical Integration
This clinical course facilitates integration of assessment, nursing diagnosis, analysis, discharge planning and teaching components of the nursing process into nursing practice. The course introduces and utilizes higher-level nursing skills in the clinical setting. Care of the patient with mental illness and general medical-surgical diagnoses are included. (Co-requisite: BIOL 2010, Prerequisite: Completion of Practical Nursing Program and licensed as an LPN)

NURS 2120 3 credits
Synthesis of Nursing
This capstone theory course will provide the student with the opportunity to synthesize the holistic care of the patient with multiple, complex needs. The impact of illness on the health of individuals, families and communities will be addressed. Theoretical foundations of the role of the professional nurse as case manager and patient advocate are included. Scope of practice, delegation, supervision and legal issues in healthcare are discussed. (Co-requisite: PSYC 2030)

NURS 2125 5 credits
Clinical Synthesis
This clinical course provides students with an opportunity to assess diverse patient populations, implement therapeutic interventions for patients with multiple needs, and assess the impact of illness on family processes. Emphasis is placed on environmental influences in individual and family health. Students will have the opportunity to explore the leadership role of the professional nurse in the clinical setting and provide service to the community through a student-learning project that assesses a community-based need. This course will include a preceptorship. (Co-requisite: PSYC 2030)

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 peoples and cultures reflected in philosophical writings.

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.

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.

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.

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. (Prerequisite: Accu-Placer score placing the student in MATH 1010)
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 religious traditions including Native American, Judaism, Christianity, Islam, Hinduism, and Buddhism. Basic philosophical questions relevant to the study of philosophy of religion will also be discussed.

PHIL 2060  3 credits  
Ethics of Sustainability  
This course addresses the role that ethics plays in the concept of sustainability. Students 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?"

PHYSICAL EDUCATION  

PHYSICAL EDUCATION  
GENERAL  
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.

To receive an Associate of Arts degree, students are required to complete two courses. Associate of Science degree students are required to complete one course. Tuition Differential rates apply to the following courses: PE 1002, 2003, 1004, 2005, 1006, 2007, 1043, 1048, 1049.

Students provide their own equipment for the following courses: PE 1004, 2005, 1006, 2007, 1043, 1048, 1049.

AREA I  1 credit per course  
INDIVIDUAL, DUAL AND TEAM SPORTS  

PE 1002  
Beginning Downhill Skiing  
Skills begin at non-skier level and progress through parallel turns. (Held at Spirit Mountain)

PE 2003  
Intermediate Downhill Skiing  
Skills begin at beginning parallel and progress through advanced parallel turns. (Held at Spirit Mountain)

PE 1004  
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. (Student provides own equipment)

PE 2005  
Advanced Golf  
A course for those interested in developing skill beyond the beginning level. Emphasis on the short game, reading a putt. (Student provides own equipment) (Prerequisite: PE 1004, one year experience, or consent of instructor)

PE 1006  
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 2007  
Advanced Bowling  
A course for those interested in developing skill beyond the beginning level. Emphasis on a hook ball delivery. (Prerequisite: PE 1006, one year experience with hook ball, or consent of instructor)

PE 1010  1 credit  
Varsity Athletics  
A course for those interested in participating in a varsity sport. It provides the fundamentals, rules and strategies of the sport. It may be repeated for a maximum of two credits per sport.

PE 1012  
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  
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 1018  
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  
Beginning 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 1052  
American Indian Games  
Introduction to history, rules, etiquette, and skills of Indian games. Games of skill and games of chance will be included.

AREA II  1 credit per course  
FITNESS ACTIVITIES

PE 1040  
Introduction to Conditioning  
An entry-level survey course to introduce students to many different activities and methods that develop cardiorespiratory endurance. Students will be guided to set their own goals and develop programs to attain these goals.

PE 1041  
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  
Fitness Through Walking  
Introduction to walking as a means of fitness conditioning for those individuals who prefer not to jog or run. Basic principles of physiology and biomechanics of walking will be discussed.

PE 1043  
Weight Training  
The purpose of this course is to present fundamental concepts and techniques of weight training. Safety, proper lifting techniques, and overall fitness are specifically emphasized topics in this exercise activity.

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  
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. (This course requires an overnight stay and is a weekend course)

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. (This course requires an overnight stay and is a weekend course)

PE 1051  
American Indian Traditional Dance  
Introduction to history, songs, etiquette and cultural awareness of American Indian dance with an emphasis on Anishinaabe dances.

PHYSICAL EDUCATION FOR MAJORS AND MINORS

These theory and laboratory courses for men and women may apply toward a major or minor in physical education. Courses 1081 and 1083 will not meet the PE general graduation requirements.

PE 1075  1 credit  
Officiating Softball  
Techniques of officiating softball. Preparation for certification by the Minnesota State High School League as an official.

PE 1076  1 credit  
Officiating Volleyball  
Techniques of officiating volleyball. Preparation for certification by the Minnesota State High School League as an official.

PE 1077  1 credit  
Officiating Basketball  
Techniques of officiating basketball. Preparation for certification by the Minnesota State High School League as an official.

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

PE 2015  4 credits  
(3 lecture,1 lab)  
Fitness Instructor Skills  
This class is designed to provide a basis for safe and effective fitness instructor training. Students will be exposed to a variety of Native American traditional music, movement, and meditation techniques. The student will demonstrate knowledge in the following areas: step and slide aerobics, interval training, resistance training, high-low aerobics, circuit training, water aerobics, kickboxing basics, rhythmic stretching, yoga basics, relaxation exercises. This course prepares the student to take the National Fitness Certification.
Exam from the American Council on Exercise (CPR certification is required to take the exam.)
(Prerequisite: Anatomy and Physiology in high school within the last five years, grade of C or better, or consent of instructor)

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 1001/1002  4 credits per course
Introduction to Physics I and 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. (Prerequisite: high school Higher Algebra or consent of instructor)

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.

PHYS 1030  3 credits
Meteorology
An introduction to the study of the nature and dynamics of the Earth’s atmosphere with emphasis on weather processes and meteorological observation.

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.

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.

POLS 1030  3 credits
International Relations
This course examines contemporary international relations, foreign policy, and international organizations.

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 1020  3 credits
Death and Dying
This course presents an overview of historical and contemporary perspectives on death and dying. Students will have the opportunity to explore their own values, beliefs and attitudes related to death and dying. Topics include cross cultural perspectives on death/afterlife, understanding the experience of loss, dying in a technological age/end of life issues, rituals, and funerals.

PSYC 1030  3 credits
Drug Use & 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.

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.
COURSE DESCRIPTIONS

PSYC 2010 4 credits
Developmental Psychology
A course designed to offer scientific knowledge concerning the psychological development during separate phases in the span of human development. (Prerequisite: PSYC 2001)

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. (Prerequisite: HSER 1001, HSER 1010)

PSYC 2030 3 credits
Abnormal Psychology
This course focuses on mental disorders and behavioral deviations with primary emphasis on etiology, classification, symptomatology, and alternative therapeutic approaches. (Prerequisite: PSYC 2001)

READING
The mission of the Reading department is to assist students in improving and/or enhancing reading technique, vocabulary knowledge and usage, and reading rate. The department works with students through three courses allowing students who are under-prepared for college to improve their reading technique and also assisting students who are college-level readers to strengthen their current reading knowledge and reading technique usage.

RDG 0090 2 credits
Efficient Reading I
Designed to help students improve their reading skills by being aware of and applying the basics of reading comprehension and retention. Content will focus specifically on vocabulary enhancement, locating main ideas and supporting details, determining organization, and test preparation based on textual information and organization. The classroom format incorporates both large and small group instruction as well as individual assignments. Reading for enjoyment is encouraged through use of a variety of materials.

RDG 0095 2 credits
Efficient Reading II
Offers a systematic approach designed to help students improve their reading skills in the areas of study reading, vocabulary and comprehension. This course also incorporates writing into the reading class by helping students appreciate why recognizing good writing enhances the reading process and its retention. The classroom format incorporates both large and small group instruction as well as individual assignments. Classroom activities will include the examination of various reading assignments taken from textbooks used at FDLTCC. Reading for enjoyment is encouraged through use of a variety of materials.

RDG 1001 3 credits
Critical Reading Skills
Designed to help students master college level reading materials. The assignments are taken from all academic disciplines. The reading skills emphasized are fundamental to intelligent reading of college level material; literal and inferential comprehension, critical reading, and study skills appropriate to textbook mastery. (Prerequisite: Successful completion of RDG 0095, consent of instructor or satisfactory score on CAPP test)

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 structure of the social environment and its influence upon the individual.

SOC 1010/LAWE 1010 3 credits
Crime and Delinquency
This course is a study of crime and delinquency. Emphasis is placed on the juvenile justice system and upon the nature and causes of criminal behavior and the effects they have on society.

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.

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 adjustment of the spouse/partners (not only to each other, but to other problems such as religion, role, relatives, sex, money, and time).
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.

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

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.

SOC 2030/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.

SPANISH

SPAN 1001 4 credits
Introduction to Spanish
An introductory course in speaking, reading, listening, and writing Spanish which will enable the learner to grasp the challenge of a foreign language.

SPAN 1002 4 credits
Spanish II
This course will build on previous knowledge of Spanish as students use more complex vocabulary and sentence structure to speak and write in Spanish, focusing on pronunciation, practical vocabulary, grammar, reading, and conversation. (Prerequisite: SPAN 1001 or a minimum of one year of high school Spanish)

SPAN 1010 3 credits
Spanish for Professionals
This course will offer students who are interested in Spanish for the sake of their future jobs an introduction to the language and many useful phrases specifically related to their professions. One component of the class will focus on conversational interactions and recognition of important phrases that they may encounter on the job. The other component of the class will be geared towards an understanding of the customs, culture and people of Spanish speaking individuals.

SPAN 2001 4 credits
Spanish III
Students will have the opportunity to further develop their skills in listening, speaking, reading, and writing Spanish. Grammar will be reviewed. This course will be taught primarily in Spanish. (Prerequisite: SPAN 1002 or a passing score on a designated proficiency exam)

SPAN 2002 4 credits
Spanish IV
The student will continue to build on skills acquired in previous classes. The focus will be on reading Spanish literature, writing, and speaking. This course will be taught in Spanish. (Prerequisite: SPAN 2001)

SPEECH

COMMUNICATION

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 diverse world. The department is committed to promoting cultural awareness, sensitivity 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 with attention to cultural diversity. With a focus on extemporaneous delivery, students will learn to organize, outline, prepare, and deliver introductory, informative, and persuasive speeches. Impromptu manuscript, group discussion, and minimizing stage fright techniques will also be examined.

SPCH 1020 3 credits
Interpersonal Communication
This course focuses on the examination and acquisition of positive and effective intrapersonal and interpersonal communication skills. It is designed to help students understand the process of communication, assess their strengths and needs as
communicators, and assist with problem solving and conflict resolution. Students will study pertinent research in the field of interpersonal communication and refine and learn new communication skills through class exercises and application in daily life.

**SPCH 1030 3 credits**  
Intercultural Communication  
This course interfaces culture and communication. Students learn how cultures provide individuals with different worldviews, beliefs, attitudes, and values, and will examine how this creates difficulties in the intercultural/multicultural communication process. It is designed to cultivate, promote, and increase appreciation, understanding, and communication competence with people outside of one’s immediate culture.

**SPCH 2010 3 credits**  
Family Communication  
Building on communication principles, theories, and models, this course explores the role of communication in the family. Students will be required to examine and identify the communication patterns and styles in their own nuclear families of origin as well as their extended, created families. Students will explore how culture impacts the family communication process and how family communication interfaces with other environments in their lives.

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

**STUDY SKILLS**  
The mission of the Study Skills department is to assist students in exploring study techniques which could be used to streamline their present learning styles. The department specifically focuses on the adage, “Study smart, not hard,” which emphasizes the perspective that students can study hard or students can learn techniques to make college survival easier.

**STSK 0090 3 credits**  
Efficient Study Techniques  
A course focused on developing efficient study habits. The course demonstrates how to listen to lectures, how to take coherent notes, how to read and master a textbook, how to take different types of tests, how to handle stress, and how to manage time.

**STSK 1010 1 credit**  
Weekend College Learning Community Keystone  
This course provides a new model for learning that involves collaboration and cooperation among learners and presents course content in an integrative and interactive format. It orients students to methodologies to include portfolios, focus groups, and collective oral examinations. It is the prerequisite/initial course for the Weekend College Program.

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

**THTR 1010 3 credits**  
Beginning Acting  
This course introduces students to the process of exploring the inner and outer resources of the beginning actor. It works on solo and ensemble character development through physical and vocal exercises and acting performances. Students will strive to be creative, believable, unselfconscious beginning actors.

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

**THEATRE**  
The mission of the Theatre department is to provide students with an introduction to theatre as an art form and a medium of communication.

**THTR 2090 1 credit**  
Theatre Practicum  
Designed to give students credit for their participation in theatrical activities at FDLTCC. One credit may be earned for any of the following: acting, lighting, sound, make-up, sets, costumes, props, publicity, student direction, house management, or other duties that may arise in the course of a production. (1 credit per semester for a maximum of 4 credits) (Prerequisite: consent of instructor)