Course Index

PRE-COLLEGE

Pre-College courses develop the basic skills that prepare students for college-level coursework. Credits do not count toward degree completion.

ACC090 Fundamentals of Accounting  3 Cr
Basic accounting principles to prepare students for college-level courses. Topics include accounting cycle for service business, preparations and importance of financial reports, use of financial information. (FL, SP)

EDU095 Fundamentals of Critical Literacy  3 Cr
This course is designed to increase skill level in critical reading, thinking, and writing. Using sustainability as the course theme, students apply these skills in a community based project in partnership with the Sustainable Development Institute. (FL, SP)

ENG090 Fundamentals of English   3 Cr
Designed to help students develop basic language skills and prepare them for ENG101. The course emphasizes grammar, punctuation, sentence structure, and paragraph development, as well as reading comprehension. Additional time in the Learning Assistance Center may be required. (FL, SP, SU)

MAT045 Basic Mathematics 3 Cr
Designed for those students whose placement scores indicate a need for practice in basic math skills. The course emphasizes arithmetic operations involving whole numbers, integers, positive and negative rational numbers, decimals, percents, ratio proportions, radical, units of measure, and informal geometry. Additional time in the Academic Success Center may be required. (FL, SP, SU)

MAT090 Fundamentals of Mathematics  3 Cr
Designed to help students develop basic mathematics skills and prepare them for MAT106. The course emphasizes number systems, linear equations, inequalities, exponent notation, radicals, polynomials, factoring, rational expressions, coordinate geometry, linear systems, and quadratic equations. Additional time in the Academic Success Center may be required. (FL, SP, SU)

SCI090 Fundamentals of Science 3 Cr
This introductory general science class focuses on the scientific thought process (scientific method) and basic science concepts. Explore some scientific disciplines with an emphasis on physical and life sciences. (Prerequisite: Satisfactory placement test score into MAT090 or a grade of “C” or better in MAT045.) (FL, SP, SU)

ACCOUNTING

ACC103 Introductory Accounting  4 Cr
This course provides the opportunity for the student to develop the knowledge and application of basic accounting principles. The course covers accounting theory and practice concerning recording business activities, composing financial reports, and usage of accounting information in business decision making. (Pre-requisite: successful completion of high school accounting course, ACC 090 or instructor consent)

ACC135 Accounting with Computers  2 Cr
Provide an overview of accounting with the utilization of computerized software to aid in managing a small business. Demonstrate an understanding of basic accounting principles, accounting systems, and the application and utilization of “Quick Books”. (SP)

ACC204 Managerial Accounting  4 Cr
This course provides the opportunity for the student to develop the knowledge and application of accounting theory and practices related to investments and equity. The course concerns the usage of basic financial statement analysis for business purposes, including planning, control, and decision making. (Prerequisite: ACC 103) (SP)

ACC216 Governmental Accounting  4 Cr
Examine the basic operation of governmental and non profit entities, their accounting and reporting systems. (Prerequisite: ACC103) (SP)

ACC217 Intermediate Accounting  4 Cr
Prepare income statements, balance sheets, cash flow statements, cash and receivables; determine inventories and cost of goods sold, non-current operating assets, accounting changes/corrections; financial statement analysis. (Prerequisite: ACC 203) (FL)

ACC231 Payroll Accounting  3 Cr
Payroll and personnel records, social security, withholding tax, unemployment compensation, time sheets and timekeeping records, and legal aspects of payroll. (Prerequisite: ACC103) (SP)

ACC232 Personal Tax Accounting  4 Cr
History and research of tax law and regulations; preparation of Federal and State of Wisconsin individual income taxes, including forms 1040, 1040A, and 1040EZ, and supporting schedules and forms. (Prerequisite: ACC103) (SP)

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ACC233 Advanced Managerial Accounting 3 Cr
Cost behavioral patterns, cost-volume-profit relationships, segment reporting, profit planning, budgets and overhead analysis, decentralized operations, pricing decisions, capital investment decisions, and service department costing. (Prerequisite: ACC204) (FL)

ACC234 Cost Accounting 4 Cr
Contemporary cost environment and issues; selecting, analyzing and tracking costs; product costing methods: job order, process, and standard costs; by-product and joint costing. (Prerequisite: ACC204) (FL)

ACC299 Special Topics in Accounting 1-3 Cr
Topics vary according to interest and needs. May be repeated twice.

ANTHROPOLOGY

ANT200 Intro to Native American Cultures 3 Cr
An introductory survey of selected Native American cultures, including the Menominee and other Wisconsin Tribes. Includes basic anthropological concepts to aid the student in the study of culture. (Prerequisite: ENG101 or instructor consent) (FL, SP; SS, TH)

ANT299 Special Topics in Anthropology 1-3 Cr
Topics vary dependent on current interests and needs. May be repeated for credit with a new topic.

ART

ART105 Drawing 3 Cr
Introduction to studio work and to fundamental concepts of drawing structure and designing; emphasis on two-dimensional art work employing various drawing techniques in black and white media. (As required)

ART106 Fundamentals of Design 3 Cr
This course will provide a fundamental pursuit for design in the visual arts. In class, the hands-on assignments will include the elements of design-line, form, shape, color, value, texture, space, and seven principles of design (balance, movement, rhythm, contrast, emphasis, pattern, unity). (FL, SP; SU; HUM, FA)

ART299 Special Topics in Art 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

BIOLOGY

BIO111 Introduction to Human Biology 3 Cr
Basic concepts, principles, and processes in human biology; origin of life, evolution, cells, population, genetics, reproduction, disease, the anatomy and function of major organ systems. (FL, NS)

BIO111 Introduction to Human Biology Lab 2 Cr
Lab component of BIO110. Requirements: Students must be enrolled in BIO110 at same time. (FL, NS)

BIO202 Principles of Biology 5 Cr
Biological principles, structure and function of organisms with consideration of interactions at cellular level and examination of the relationship of organisms to the environment. Includes labs. (SP, NS)

BIO204 Anatomy and Physiology 5 Cr
Structure and function of the body, its organs and organ systems; include skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, urinary and reproductive systems. Includes lab. (Prerequisite: BIO202) (FL, NS)

BIO205 Introduction to Plant Biology 5 Cr
General biological principles with emphasis on growth, reproduction, structure, and functions of plants; morphological studies of typical plants. Includes labs. (Prerequisite: BIO202) (FL; NS)

BIO207 Principles of Microbiology 4 Cr
Microorganisms and their activities; their form, structure, reproduction, physiology, metabolism, and identification; their distribution in nature and their relationship to each other and other living things. (Prerequisite: BIO202) (SP; NS)

BIO299 Special Topics in Biology 1-3 Cr
Topics vary according to needs and interests. May be repeated twice.

BUSINESS ADMINISTRATION

BUS100 Introduction to Business 3 Cr
Covers business enterprise and its resources, competitive/regulatory environments; pricing, profit, finance, planning, controls, ethics, environmental impact, social responsibility, and other important concepts. (FL, SP; SS)

BUS110 Personal Finance 3 Cr
A study of financial management. Examines the financial problems and financial decisions facing individuals in our economy. Subjects covered include family budgeting, consumer buying decisions, borrowing, insurance, personal real estate, taxation, investments, and estate planning.
BUS112 Business Law  
3 Cr  
Introduction to principles of law relating to business. Historical, social, governmental, and ethical developments are emphasized. Includes contracts, property, sale of goods, government regulation, professional malpractice and product liability.

BUS120 Principles of Supervision  
3 Cr  
Introduction to principles of supervisory management. Course will cover management functions and skills needed to perform functions, the history of management, contemporary management trends, ethics, communication, interpersonal relations, and introduce the concepts of total quality management. The course will emphasize application of theory by case studies, practical scenarios, and analyze successful management practices.

BUS200 Project Management I  
3 Cr  
This course provides the opportunity for the learner to develop the knowledge, skills, process, and understanding of project manager roles and responsibilities; tools and methods of project management; phases of project management; preparation of typical project documentation, and an overview of project management software. (Prerequisite course BUS 100 and EN 101 or EN 215.) (FL)

BUS205 Small Business Management  
3 Cr  
Explores the role of the manager and entrepreneur in the small business environment. Special problems in the areas of marketing, finance, record-keeping, taxes, decision-making, risk-taking, and business law are covered.

BUS210 Introduction to Finance  
3 Cr  
This course exposes the student to careers in finance and financial analysis and decision making. (Prerequisites: BUS 100 and ECN 202 or 203.)

BUS215 Introduction to Public Administration  
3 Cr  
This course is designed to take students into the world of public administration, so they can see how government agencies are structured, how public officials make decisions and how budgets are developed and implemented within a political system. The content areas include administrative and organizational theory, human resource management, policy analysis, program evaluation and regulatory administration.

BUS220 Principles of Marketing  
3 Cr  
Study of marketing theories and concepts used in the applications of marketing strategies in product development, distribution, pricing, and promotion. Case studies and a research paper required.

BUS225 Introduction to Planning  
3 Cr  
This course provides an orientation to urban, regional, rural, and tribal planning. Topics covered include planning for land use, transportation, and community development. Students will also evaluate the role governmental and tribal entities play in the comprehensive planning process. (Prerequisites: BUS 100 and ECN 202 or 203)

BUS241 Personnel Relations  
3 Cr  
Principles, policies, and practices applicable to personnel problems in dealing with staffing, training, wages, employee to employee relations, employee to visitor relations, supervisor to employee relations, and communications.

BUS290 Business Internship  
2 Cr  
Each student will complete a field experience requirement in which they will, with the assistance of their advisor, explore opportunities and work in a business organization prior to graduation. (Prerequisite: must have completed 36 or more credits).

BUS299 Special Topics in Business  
1-3 Cr  
Topics vary according to interests and needs. May be repeated twice.

CHEMISTRY

CHM101 Introduction to Chemistry  
5 Cr  
The purpose of this course is to introduce students to the topics of general chemistry. The focus of this course is numerical analysis, properties and characteristics matter, and the language of chemistry. This class can also be used a preparatory class for CHM105: General Chemistry and CHM110: Biochemistry. Includes Lab (Prerequisite: MAT106) (FL, SP; NS, PS)

*This course was previously listed as a 4 credit course and the prerequisites for this course have changed.*

CHM105 Chemistry I  
5 Cr  
The fundamental principles and concepts of chemistry. Topics include matter and measurement, atomic and molecular structure, bonding, stoichiometry, chemical reactions, thermochmeistry, periodicity, gases, intermolecular forces, and aqueous solution chemistry. Course includes weekly laboratory experiments to support lecture topics. Includes lab. (Prerequisite: CHM101 or MAT106) (FL,SP; NS, PS)

*The prerequisites for this course have changed.*

CHM107 Chemistry II  
3 Cr  
The fundamental principles and concepts of inorganic chemistry are explored with an emphasis on thermodynamics, kinetics, properties of aqueous solutions, solution equilibria, acid-base reactions, coordination chemistry, oxidation-reduction reactions, and nuclear
reactions. This is a course that develops chemical foundations required for professional and preprofessional programs. Includes laboratory and discussion sections (Prerequisites: CHM107) (SP, NS, PS)

**CHM110 Biochemistry** 5 Cr
This course will introduce the concepts and terminology of organic chemistry and biochemistry. It will provide a foundation for further learning in topics related to nursing and health care, such as pharmacology and pathology. Building on prior knowledge of general chemistry, students will study the molecular basis for living things, and learn how the complex interactions of bio-molecules are understandable and meaningful. Includes lab. (Prerequisite: CHM101 or CHM105, and any college biology course.) (FL, SP; NS, PS)

**CHM211 Organic Chemistry** 3 cr
This course covers the fundamental concepts and principles of organic chemistry. Topics include nomenclature, stereochemistry, and the relation between structure, properties and reaction mechanisms of aliphatic hydrocarbons, aromatics and selected functional groups. Includes discussion section (Prerequisites: CHM107) (FL, NS, PS)

**CHM299 Special Topics in Chemistry** 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

**COMPUTER SCIENCE**

**CMP128 Intro to Microcomputer Programming** 4 Cr
Students will be introduced to microcomputer programming concepts, logic, and data structures using Visual Basic Programming Language. (Prerequisite: CMP180 or instructor consent) (SP)

**CMP161 Spreadsheets and Database** 3 Cr
Through lecture and hands-on exercise, students develop intermediate proficiency skills in Excel (spreadsheets) and Access (database) as well as are introduced to advanced techniques. Upon completion of the course, student will be prepared to take the MOUS exam. (Prerequisite: CMP180 or instructor consent) (FL)

**CMP180 Intro to Computer and Information Technology** 3 Cr
In this course students will learn the basics of information technology. Topics will include; the history and future of computing, basic computer design, computer navigation, basics of system software, application software, networking and the integration of computers to the real world. (FL, SP, SU; GER)

**CMP201 Introduction to Microcomputer Hardware** 4 Cr
Students will be introduced to the evolution of basic hardware technology of microcomputers, including CPUs, monitors, and associated peripheral equipment. Other topics covered basic computer design, processing concepts, memory management, utility programs, assembly, maintenance, diagnostic procedures, and legacy hardware.

**CMP205 Internet and Web Publishing** 3 Cr
This includes the history, terminology, and customs of the Internet. Subjects include exploring the World Wide Web, FTP, Gopher, search engines, Telnet, newsgroups, and Email. Students will learn how to create and load their own web pages. (Prerequisite: CMP180 or instructor consent) (SP)

**CMP206 Microcomputer Operating Systems** 4 Cr
In this course, students will be given a comprehensive knowledge of operating systems. Topics will include; Windows 2000/XP Professional implementation and support, disk systems, introduction to network operating systems, introduction to Unix/Linux, DOS commands/scripts and exploration of various midrange operating systems. (Prerequisites: CMP180) (FL)

**CMP207 Introduction to Computer Networking** 3 Cr
This course covers a wide variety of computer networking issues with an emphasis in personal computing and local area networks. Topics ranging from basic to intermediate data communications will also be discussed. Classes will consist mainly of lecture materials with several labs. (Prerequisite: CMP180 or instructor consent) (SP)

**CMP220 Microcomputer Graphics** 3 Cr
An introduction to the concepts and applications of computer graphics. Includes fundamental principles of graphics and the practical applications of computer-generated images, scale parameters, coordinate systems, raster and vector images, and two- and three-dimensional picture generation. (Prerequisite: CMP180 or instructor consent) (FL)

**CMP228 Intermediate Microcomputer Programming** 4 Cr
This course focuses on intermediate programming concepts and logic, utilizing Visual Basic and Java programming languages. (Prerequisite: CMP128 or instructor consent) (FL)

**CMP256 Introduction to Computer Science I** 4 Cr
Using a programming language such as java, the course introduces students to the fundamental principles underlying the design and implementation of computer programs. The course will focus on defining and stating a

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problem and designing a solution program as well as testing, implementing, debugging, and documenting. (Prerequisite: CMP228 or instructor consent) (FL)

**CMP299 Special Topics in Computer Science** 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

**COMMUNICATIONS**

**COM100 Introduction to Oral Communication** 3 Cr
Introduction to and application of principles that lead to an understanding and facility with practical discourse. (Prerequisite EDU100)(FL, SP; GER, HUM)

**COM299 Special Topics in Communications** 1-3 cr
Topics vary according to interest and needs. May be repeated once.

**CRIMINAL JUSTICE**

**CRJ101 Introduction to Criminal Justice** 3 Cr
This course introduces the study of crime and the administration of justice in the United States. The course focuses on the roles of police, prosecution, courts, and corrections in dealing with people charged with the commission of crimes. Upon completion of this course, students will have a better understanding from a historical perspective of how the criminal justice process evolved and is carried out in the US today.

**CRJ103 Traffic Theory** 3 Cr
This course focuses on traffic enforcement, engineering and education. Topics include traffic laws, deposit-bond schedules, traffic stop procedures, citations, tactical awareness, accident investigation and reports, and traffic control. (Prerequisite: CRJ101)

**CRJ105 Professional Police Communications** 2 Cr
This course focuses on developing communication skills related to conflict resolution. Instruction is presented in interviewing, interrogating, courts testimony and court decorum. (Prerequisite: CRJ101, COM100 and ENG101)

**CRJ110 Criminal Law** 3 Cr
This course covers the general principles of criminal law and the elements of specific crimes in Wisconsin. Students will learn to recognize when a crime has occurred under Wisconsin law and determine what charge is appropriate.

**CRJ120 Community Policing Strategies** 3 Cr
Law enforcement officers are the most visible criminal justice practitioners therefore, positive police/citizen partnerships are essential. This course focuses on the responsibilities that law enforcement officers and citizens have to each other, including relations with minority groups. Values and ethics in law enforcement also are emphasized. (Prerequisites: CRJ101 and COM100)

**ECONOMICS**

**ECN100 Economics** 3 Cr
Survey of economic concepts and contemporary economic issues. The role of business, households, and government. Analysis of demand and supply, income distribution, unemployment, inflation, and the business cycle. Business Administration majors may not substitute ECN100 for ECN202 or ECN203 to satisfy program requirements. (As required; SS)

**ECN202 Macroeconomics** 3 Cr
Introduction to the behavior of our economy in the aggregate, focusing upon the process by which the economy achieves a certain level of output and employment. (SP; SS)

**ECN203 Microeconomics** 3 Cr
The decision-making processes of individuals and business firms associated with the determination of what products will be produced, how they will be produced, and what prices specific goods and services will command. (FL; SS)

**ECN299 Special Topics in Economics** 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

**EDUCATION**

**EDU100 Student Success Strategies** 2 Cr
This course introduces the tools and skills that build students’ self-confidence and empower them to succeed in their college and professional careers. The main focus is on building information literacy skills through the practice of finding sources for a research project. (FL, SP, SU; GER)

**EDU 102 Career Exploration** 1 Cr
Students will complete the Wiscareers inventory, conduct interviews, and write and present a reflection/report on the findings. They will also work on developing their resume that can be updated as they continue their studies. (FL,SP)

**EDU103 Community Engagement** 1 Cr
This course introduces students to some of the issues of poverty and the agencies that serve people in their times of need as well as the fundamental need for environmental awareness. Other topics include cultural diversity and effective communication strategies for a variety of situations. Students will be expected to donate a minimum of four hours to a pre selected agency or activity (FL,SP)

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EDU201 Emergent Literacy 3 Cr
Introduction to curriculum and methods for building a solid foundation of early literacy development at home and at school. Explicit strategies for teaching literacy to all young children, including children with diverse needs, within a balanced literacy approach will be emphasized. The emergent literacy spectrum will include theory, assessment, oral language and vocabulary development, phonological awareness, comprehension, writing, organizing and managing literacy based classroom, read-aloud, and motivation of reluctant readers and writers. Research and current best practices will be studied. An emphasis will be placed on relevant hands-on activities and projects. This course is primarily designed for teachers and future teachers. (SP)

EDU206 Cultural Images in Material for Children and Adolescents 3 Cr
The varied images of ethnic and racial groups and sex roles as developed in trade books, textbooks and other instructional materials for children and adolescents detecting negative images and building positive images.

EDU210 Child Abuse and Neglect 3 Cr
Study of cycles of abuse and neglect. Family factors, family systems, and roles, signs and symptoms, preventive aspects; legal requirements and procedures.

EDU 211 Introduction to Children With Exceptionalities 3 cr
This course will provide an introduction to special education services for young child (birth through 11 years old). This course includes a study of atypical growth and development, an overview of state and federal legislation, service coordination, and family centered service. It combines underlying theory and practical strategies for development of effective communication and collaboration skills among families, professionals and community agencies. (Prerequisite: HUD210 and HUD 236)

EDU250 Introduction to Teacher Education 3 Cr
This course provides an introduction to teaching as a profession. An overview of the conceptual framework, mission and goals, admission requirements and competencies of College of Menominee Nation's Teacher Education Program will be presented. NAEYC standards, Wisconsin teaching standards, learning theories and types of assessment will be reviewed. The practice of differentiation in classrooms will serve as a focus for the on-site classroom observations and practice. The teacher education component of the CMN portfolio will be introduced. Background check required (Prerequisites: COM100, HUD236, HUD237, HUD238) (SP)
This was previously entitled Field Experience in Education.

EDU251 Geometry for Teachers 3 cr
Geometry for Elementary Teachers is designed to prepare prospective K-8 teachers to be effective mathematics instructors. Emphasis is placed on a culturally relevant approach to geometry instruction at the elementary school level. Coursework will include the effective use of manipulative, the application of geometry in the every-day settings of students, communicating using the language of geometry, and a final project. Topics include symmetry, perimeter, area, similar shapes, proportions, angles, tessellations, measurement, transformations, scale, the use of formulas, and geometric shapes. (Prerequisite: MAT 106 or appropriate placement test score. Co-requisite: EDU 306 or admittance into education program or consent of education department)

EDU256 Social and Family Influences on Early Development and Learning 3 Cr
An ecological systems approach to social and family influences affecting success or failure in school. Child development and education risk theories, research, and practitioner accounts. Prevention and intervention programs for children (prenatal to age eight) and families at-risk. (FL)

EDU295 Student Portfolio Seminar 1 Cr
This course guides graduating students through the process of developing an academic portfolio. The self assessment reviews the student's academic growth and includes collecting and reflecting on completed projects that demonstrate CMN General Education Objectives and degree program outcomes related to the students’ area of study. The chosen pieces are then formatted and presented to CMN faculty for critique and evaluation. All students must complete the CAAP exam in order to receive a passing grade. (This course is required and must be taken during the student’s last semester prior to graduating with an Associates Degree.) (FL, SP, SU; GER)

EDU299 Special Topics in Education 1-3 Cr
A seminar style course in which the content is determined by special trends and issues occurring in education. May be repeated three times.

EDU 300 Foundations of American Education 3 cr
In this course, teacher candidates explore the political, historical, philosophical and sociological contexts of the American system of education and examine current teaching practice in light of them. The historical models of education on the Menominee, Stockbridge-Munsee or Oneida reservations will serve as a basis for reflection, analysis and comparison to national historic reform movements and current practice. The teacher candidates will examine the goals of schooling, the effects of culture on the educational process and the place of education in

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EDU 301 Educational Technology  3 cr
This course focuses on how teachers effectively integrate technology in the classroom to plan, implement, and assess the teaching-learning process. In this class, teacher candidates learn how to use technology to plan classroom activities, manage classroom assessment, promote positive classroom interactions, and participate in continuous professional development using technological tools beyond the textbook, kits, and other usual school/classroom resources. The Wisconsin’s Department of Instruction teacher and student standards will guide assessment activities as well as language and cultural elements established by CMN and tribes. (Prerequisite: EDU 250 and admittance into education program or consent of education department)

EDU 302 Educational Psychology  3 cr
Teacher candidates will explore major theories of development and learning to apply these theories to the teaching and learning process and teacher reflection. The physical, social, emotional, moral and cognitive development of children from birth to adolescence will be used to as a basis for understanding students as diverse learners with various learning styles, intelligences and cultural expectations. Teacher candidates will also examine and apply motivation and classroom management techniques, approaches to exceptionalities and interpretation of student assessments to teaching strategies and evaluation of learning. (Prerequisite: EDU 250 and admittance into education program or consent of education department)

EDU 304 Methods for Art and Music  3 cr
This course explores the place and focus of music and the arts in an elementary curriculum. Teacher candidates will acquire a basic knowledge of the progressive ways children learn through music and artistic expression, as well as practice teaching strategies that employ motivation techniques to engage early childhood and elementary children in the arts. (Prerequisite: EDU 250 and admittance into education program or consent of education department)

EDU 305 Methods for Social Studies  3 cr
This course is designed for teacher candidates to research, study and engage in social studies teachers’ best practices that effectively motivate elementary school children within a culturally diverse, interdependent world. Teacher candidates will use a constructivist approach to create, develop, plan, integrate, review, present and assess instructional materials in an elementary social studies classroom. (Prerequisite: EDU 250 and admittance into education program or consent of education department)

EDU 306 Methods for Teaching Mathematics  3 cr
This course centers on how teachers create a positive classroom environment to facilitate children's mathematical thinking through Cognitively Guided Instruction (CGI). To this end, teacher candidates learn how to design and develop thematic activities where children solve problems by inventing/presenting their own mathematical problem solving strategies; where children learn to take responsibility for their own learning; and where turn-taking is a valuable commodity given the powerful results of students learning from each other. (Prerequisite: EDU 250 and admittance into education program or consent of education department)

EDU 307 Methods for Teaching Reading  3 cr
Methods for teaching reading is designed to assist teacher candidates in understanding reading as a developmental, cognitive and interactive process that leads to lifelong literacy. Within a literacy rich environment, the teacher candidate will plan, develop, implement, and assess developmentally appropriate and culturally responsive reading lessons for early childhood/elementary students. (Prerequisite: EDU250 and admittance into education program or consent of education department)

EDU 308 Methods for Language Arts  3 cr
This course focuses on the interactive nature of the language arts—reading, speaking, listening, writing, viewing and visually representing. In a culturally responsive, developmentally appropriate manner, teacher candidates will learn to design instruction and assessment, create a literary environment in the classroom and strengthen teaching technological strategies to improve student literacy skills. (Prerequisite: EDU250 and admittance into education program or consent of education department)

EDU 309 Methods for Teaching Science  3 cr
Teacher candidates learn how to teach in a constructivist manner: guiding children in problem solving activities; at the same time working as co-inquirers, constructing their own conceptualizations about science content and planning/implementing/assessing science in the elementary school environment. (Prerequisite: EDU250 and admittance into education program or consent of education department)

EDU 310 Methods for Teaching Health and Physical Education  3 cr
This course focuses on the relationship between health and physical education activities that foster healthy habits for school children. Teacher candidates learn how to design, develop, and assess lessons and activities that promote positive healthy lifestyles including good nutrition and lifelong physical activity. (Prerequisite: EDU 250 and

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admittance into education program or consent of education department)

**EDU 311 Pre-Student Teaching Practicum 1** 1 cr
This course coordinates supervised classroom experience required by the co-requisite methods courses (40+ hours) and reflection, discussion and evaluation in the practicum sessions. The course focuses on synthesizing course classroom management, planning, instruction, reflection and self-evaluation within and among diverse learners and children with exceptionalities. (Prerequisite: EDU250 and admission to teacher education program Co-requisite: EDU 307 and EDU 308)

**EDU 312 Pre-Student Teaching Practicum 2** 1 cr
This course (seminar) coordinates supervised classroom experiences in co-requisite methods courses (40+ hours) through discussion, reflection and evaluation of artifacts to be included in the pre-student teaching portfolio. Coordination centers on the artifacts that represent (planning, classroom instruction, problem solving, collaboration, and social justice) from co-requisite coursework. (Prerequisite: EDU250 and admittance into education program or consent of education department)

**EDU 313 Inclusion Strategies for Exceptional Learners** 2 cr
Study of pedagogical, curricular, and social considerations involved in educating learners with diverse learning needs in the general education classroom. Strategies for adapting curriculum to learners with special needs. (Prerequisite: HUD210, EDU250 and admittance into education program or consent of education department)

**EDU 314 Behavior and Management** 2 cr
Overview of the diverse behavioral needs encountered in the general education setting. Teaching strategies, classroom environment, and management techniques aimed at improving the knowledge and skills of all students. Techniques and strategies for maintaining appropriate behavior and changing inappropriate behavior. (Prerequisite: HUD210, EDU250 and admittance into education program or consent of education department)

**EDU 315 Cultural Images in Children’s Literature** 3 cr
Cultural Images in Children's Literature is intended to increase the teacher candidate’s knowledge of theories and methods of choosing and evaluating multicultural children’s literature. Through this course, teacher candidates integrate multicultural children’s literature with language arts theories and practices in an early childhood/elementary education classroom. (Prerequisite: EDU250 and admittance into education program or consent of education department)

**EDU 401 Student Teaching** 12 cr
The student teaching experience provides an opportunity for the student teacher to explore the teaching profession and to practice the knowledge, skills and dispositions required for a classroom teacher. The components of this experience include observation, planning instruction, teaching, assessing, record keeping, supervision, participation in faculty activities, family and community interactions and student evaluation and follow-up in a full-day classroom setting. (Prerequisite: EDU 211, EDU 257, EDU 300, EDU 301, EDU 302, EDU 304, EDU 305, EDU 306, EDU 307, EDU 308, EDU 309, EDU 310, EDU 311, EDU 312, EDU 313, EDU 314, MAT 260, and admittance into education program.)

**EDU 402 Student Teaching Seminar** 2 cr
The student teaching seminar is an opportunity for student teachers to process their teaching experiences in a peer group or community of learners. This course provides the reflective student teachers the framework for inquiry into, problem solving and analysis of classroom situations, the teaching-learning process, professional issues, classroom management and professional development and assistance in preparing for professional employment. (Prerequisite: EDU 211, EDU 257, EDU 300, EDU 301, EDU 302, EDU 304, EDU 305, EDU 306, EDU 307, EDU 308, EDU 309, EDU 310, EDU 311, EDU 312, EDU 313, EDU 314, MAT 260, and admittance into education program.)

### ELECTRICITY

**ELT 100 Workplace Safety** 1cr
Examines electrical hazards and stresses the importance of electrical safety. Course covers the equipment and procedures necessary to work safely with electricity, including Personal Protective Equipment (PPE), lockout/tagout, first aid, and Occupational, Safety, and Health Administration 10 (OSHA 10) Certification and CPR. Importance of and methods for grounding are explained. Meets National Center for Construction Education and Research (NCCER) certification requirements. (FL)

**ELT 101 Beginning Electrical Concepts** 5 cr
This course provides an overview of the electrical industry and electrical theory through Direct Current concepts. Students will develop an understanding of potential difference, current, resistance, Ohm’s Law, and Kirchhoff's Law. Students will apply the power formula to series, parallel circuits, and series-parallel circuits. Students will acquire skills needed to complete the National Center for Construction Education and Research (NCCER) certification. (FL)

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ELT 102 Residential Wiring 3 cr
This course is designed to provide students with the technical skills and knowledge required to safely install, maintain, replace and repair residential wiring and distribution systems conforming to the National Electrical Code (NEC). Hands on use of tools and equipment to complete and troubleshoot residential electrical wiring projects will be emphasized. Students will acquire skills needed to complete the National Center for Construction Education and Research (NCCER) certification. (FL)

ELT 103 Math for Electricians I 3 cr
Review of fundamental math concepts with real-world, on the job scenarios. Course covers algebraic formulas and geometric concepts as used in the electrical trade. (FL)

ELT 104 National Electrical Code I 2 cr
This course covers nationally recognized electrical standards, including electrical terms, calculations, safety issues and industry practice. General use equipment, wiring, wiring methods and materials are defined and discussed. Wisconsin state codes are reviewed and compared with national codes. (FL)

ELT 105 Math for Electricians II 3 cr
Builds on concepts learned in Math for Electricians I. Course progresses to algebra and trigonometric functions. An analytical approach to problem solving is emphasized in geometry and trigonometry. Real world electrical situations are integrated into the coursework. (SP)

ELT 106 National Electric Code II 2 cr
Continuance of National Electrical Code I. This course covers nationally recognized electrical standards, including electrical terms, safety issues and industry practice. Emphasis is on codes for hazardous locations, special equipment, and special conditions. Wisconsin state codes are reviewed and compared with national codes. (Prerequisite: ELT 105) (SP)

ELT 107 Advanced Electrical Concepts 5 cr
This course covers Alternating Current including inductance, capacitance, resistive-capacitive series and parallel circuits, three-phase power, and three-phase circuits. Calculations and hands-on troubleshooting will be emphasized. Students will acquire skills needed to complete the National Center for Construction Education and Research (NCCER) certification. (Prerequisites: ELT101 and ELT108) (SP)

ELT 108 Commercial Wiring 3 cr
This course prepares individuals to install, maintain, troubleshoot, and repair electrical devices, components, and equipment that are utilized in commercial electrical systems. This course focuses on overcurrent protection, proper grounding techniques, and associated safety procedures according to national and state codes. Students will acquire skills needed to complete the National Center for Construction Education and Research (NCCER) certification. (Prerequisite: ELT 101 and ELT 102) (SP)

ELT 109 Industrial Wiring 3 cr
This course covers wiring methods used for industrial installations. It focuses on installation, troubleshooting, and testing of motors, transformers, and controls found in industry. Calculations and hands-on experience will be incorporated. Students will acquire skills needed to complete the National Center for Construction Education and Research (NCCER) certification. (Prerequisite: ELT 101) (SP)

ENGLISH

ENG101 Introduction to College English 3 Cr
A basic composition course to develop the understanding and skills needed to read and write intelligently at college level. Assignments will require critical reading, logical thinking, and effective writing. Students write frequently in and out of class, using strategies for a variety of purposes and audiences. Additional lab work may be required. (Prerequisite: Satisfactory placement test score of 74 in Reading and 81 in Sentence Skills or a grade of "C" or higher in EDU095 and ENG090.) (FL, SP; GER)

ENG102 College English and Research 3 Cr
A fundamental course in expository writing, stressing style, logic, research, and methods of development. Analytical reading and writing and the methods of inquiry common to various academic disciplines will be explored. Students will write a documented research paper using suitable sources of information and appropriate methods of documentation. (Prerequisite: English 101) (FL, SP; GER)

ENG206 Introduction to Poetry 3 Cr
An introduction to poetry as practiced by American Indian, American, and English poets. (Prerequisite: ENG101) (SP; HUM)

ENG207 American Indian Literature 3 Cr
A study of literature by and about Native American Indians from oral and written materials. Significant works and writers past and present will be studied, read, and discussed. (Prerequisite: ENG101) (FL, SP; HUM)

ENG208 Minority Women in Literature 3 Cr
An introduction to American Literature by and about women, written by various authors from diverse ethnic groups. (Prerequisite: ENG101) (FL, SP; HUM)

ENG211 Introduction to Creative Writing 3 Cr
A course in the writing of fiction, poetry, and drama. This course will be conducted as a writing workshop with emphasis on class discussion of student work. The course

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will be structured around contemporary classic literary works, discussions of contemporary writers, and a study of literary techniques. (FL; HUM, FA)

ENG 215 Business Writing 3 Cr
Business Writing is a comprehensive writing course that provides the foundation for the student to develop the knowledge, skills, and understanding of business and professional documents such as letters, memos, email messages, and a variety of reports. Upon completion of this course the student will demonstrate an understanding of the communication process; the writing process; written business correspondence; appropriate tone for communication; written business proposals; written solicitation; direct marketing; budgets, and grant writing. (Pre-requisite course ENG 101 or satisfactory placement score of 74 in reading and 81 in sentence skills) (SP; GER)

ENG299 Special Topics in English 1-3 Cr
This course covers interests or needs in Composition or Literature. Topics vary. May be repeated once.

ENGINEERING

EGR201 Statics 3 cr
This course introduces the principles, methods and language used in the investigation, diagnosis and synthesis of understanding of the properties of mechanical systems in static equilibrium. Topics include: force and moment vectors, resultants and free-body diagrams; Applications to simple trusses, frames and machines; Distributed loads and internal forces in beams; Properties of areas and second moments; Laws of friction in mechanical systems. Includes student led team projects and discussion section (Prerequisites: PHY203 and Co-requisites: MAT232) (FL; NS, PS)

EGR231 Introduction to Materials Science 3 cr
Introduction to the structure, properties and classification of materials. The course builds progressively from properties of atomic systems, to bonding and crystal structures. The course presents properties of defects X-ray diffraction, phase diagrams, and microstructure as a basis for the study of mechanical and electrical properties and the propagation of energy in materials: metals, polymers, ceramics, semiconductors, composites, and nanomaterials. Includes discussion section and projects (Prerequisites: CHM105, MAT232, and PHY204) (SP; NS, PS)

ENVIRONMENTAL STUDIES

ENV150 Introduction to Environmental Science 3 Cr
This course covers the interrelationships between people and the abiotic components of their environment. The scientific, social, and political implications of natural resources and their use are examined. (FL; NS)

ENV299 Special Topics in Environmental Studies 1-3 cr
Topics vary according to interest and needs. May be repeated twice.

GEOGRAPHY

GEG110 Physical Geography 5 Cr
Physical geography is the study of the physical properties of the planet as the home for humankind. This course is an introductory course with emphasis on the four individual spheres of the physical environment—the atmosphere, hydrosphere, biosphere, and the terrestrial landscape—and the interrelationships among them. Includes labs. (FL, SP; NS)

GEG210 Cultural Geography 3 Cr
Examines components and spatial expressions of contemporary culture, including patterns and problems of population, language, religion, urban and rural settlements, political and economic development from the perspectives of diffusion, ecology, integration, landscape, and region. (SP; SS)

GEG245 Geographic Information Systems 3 Cr
Introduction to concepts and principles of geographic information systems (GIS) and related spatial information technologies. Overview of uses, components, and technical aspects of GIS and application use including automation, analysis, query, and display. Functionality and introduction to "Spatial Analyst" and the "Avenue" programming language. (Prerequisite: CMP180) (SP)

GEG299 Special Topics in Geography 1-3 Cr
Topics vary according to needs and interests. May be repeated twice.

HEALTH CARE

HLT090 Home Health Aide 3 cr
This course covers the necessary skills according to the state of Wisconsin to work in home health care. The instruction includes text, workbook and hands-on learning experiences. (Prerequisite: The WI State Legislature requires a background check under the Caregiver Law 48.685 and 50.065 Stats. Students with certain legal convictions may not be eligible to work in this field. Student must be at least 16 years old.)

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HISTORY

HIS112 History of the US from 1865 to the Present 3 Cr
This course covers the forces that shaped the political, social, cultural, intellectual, and economic history of the United States since the Civil War. The experiences of various ethnic, religious, class groups and women will be examined. (Prerequisite: ENG101 or satisfactory placement test scores) (FL; HUM or SS)

HIS121 Survey of American Indian History 3 Cr
This course surveys the social, cultural, economic, and political history of Indian nations in the United States with a focus on Wisconsin Indian groups. (Prerequisite: ENG101 or satisfactory placement test scores) (FL, SU; HUM, TH or SS)

HIS122 Pre-contact History of the Menominee Nation 3 Cr
This course traces social and cultural history before European immigration by examining the influences of natural and cultural environments upon life-ways. An ethno-historical approach will be used which draws upon written sources and on living human documents expressed in oral histories. (Prerequisite: ENG101 or satisfactory placement test scores) (FL; TH, HUM or SS)

HIS123 Treaty Era 3 Cr
This course focuses on political and socio-cultural events from 1817 to 1856 when treaties were made by the Menominee Nation ending in the establishment of the current Menominee Reservation. Study of the treaties emphasizes the contexts in which they were signed and their relevance today. (Prerequisite: ENG101 or satisfactory placement test scores) (SP; TH, HUM or SS)

HIS124 Economic History of the Menominee 3 Cr
A study of economic and social patterns in Menominee society deriving from the forestry industry. It traces the events from early sustained yield practices through the lawsuit over mismanagement to federal termination. (Prerequisite: ENG101 or satisfactory placement test scores) (As needed; TH, HUM or SS)

HIS125 Stockbridge/Mohican History 3 Cr
This course traces the history of Mohican people from their life in what became New England through alliance-making with other Native American groups, their time in the Oneida area, the mandatory moves to Indiana and Wisconsin, and to the present. (Prerequisite: ENG101 or satisfactory placement test scores) (As needed; TH, HUM or SS)

HIS132 Oneida Nation of WI History 3 Cr
This course introduces students to the Oneida Nation’s history as part of the Iroquois Confederacy in New York, and then discusses the causes and events that led to the settlement of the Oneida Nation in Wisconsin. The course will discuss how the tribe’s history and world view impacted the issues of the Wisconsin Oneidas have faced and will introduce students to Oneida cosmology, land and land claims, history, government, agriculture, economy and art. (Prerequisites: ENG102 and HUM100)

HIS133 Treaty Era of Oneida Nation of WI 3 Cr
This course provides students with the opportunity to delve into the treaties that confirm Oneida Nation’s sovereignty. The course will examine the context of Oneida’s treaties including early interaction with colonists, treaties made with the U.S. government, New York State, the state of Wisconsin, and applicable federal policies. The course will also discuss the impact of Oneida’s treaties on land rights and contemporary issues. (Prerequisites: ENG101)

HIS299 Special Topics in History 1-3 Cr
Topics vary dependent on current interests and needs. May be repeated for credit with a new topic. (Prerequisite: ENG101 or satisfactory placement test scores)

HUMAN DEVELOPMENT

HUD210 Introduction to Human Development 3 Cr
Human development from conception through death; physical development, social and emotional development, personality development, the development of language, intellectual development and creativity, and the process of human learning. (FL, SP; SS)

HUD236 Infancy and Early Childhood 3 Cr
Current theories, methods of study and research in the study of human development from conception through the preschool years and the interrelationships among biological, socio-cultural and psychological aspects of development. (Prerequisite: HUD210) (FL, SP; SS)

HUD237 Observation and Interpretation of Child Behavior 3 Cr
Study of the behavior and development of young children through direct, systematic observation of children in selected situations and comparison with established child development theories and data. (Prerequisite: HUD210) (FL, SP)

HUD238 Play and Creative Activities in Childhood 3 Cr
Concepts of the contributions of play and creative activities to physical, intellectual, emotional, and social aspects of development; specific contribution of selected creative activities. (Prerequisite: HUD210) (FL)

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HUD242 Cross Cultural Human Development 3 Cr
Cultural differences in perception, cognition, language and thought, child development, child rearing, and personality; relationships between various aspects of culture and psychological functioning within non-Western cultures and American ethnic cultures. (Prerequisite: HUD210) (SP; SS)

HUD299 Special Topics in Human Development 1-3 Cr
A seminar style course in which the content is determined by special trends and issues occurring in Human Development. May be repeated twice.

HUMANITIES

HUM100 Introduction to the Humanities 3 Cr
This course explores the role of the Fine Arts, Language, Literature, Rhetoric, Philosophy, and History in constructing, maintaining, and interrogating the values and beliefs of human cultures. Topics vary. (Prerequisite: Satisfactory placement test score, or a grade of “C” or higher in ENG090 or ENG091) (FL, SP; HUM)

HUM290 Expression of the Human Experience 3 cr
In this course, students identify and correlate themes reflected in creative works produced within the various disciplines of the humanities. This course emphasizes expanding students’ intellectual perspectives and developing understanding of concepts that enable correlation of insights from multiple branches of the humanities. For student pursuing and Associate of Arts and Sciences Degree in the Liberal Studies Humanities, this course should be taken during the student's last semester prior to graduating (Prerequisites: ENG102 and HUM100)

HUM299 Special Topics in Humanities 1-3 Cr
Topics vary according to needs and interests. May be repeated one time by special trends and issues occurring in Human Services. May be repeated three times.

LANGUAGE

LAN101 Menominee Language I 4 Cr
For students with no previous training in Menominee language. Includes an introduction to the spoken language as well as to the written language. (FL;TL)

LAN102 Menominee Language II 4 Cr
Continuation of study in the Menominee language, its structure, and the relationship of the language to Menominee culture. (Prerequisite: LAN101 or instructor consent) (SP;TL)

LAN103 Menominee Language III 4 Cr
This course is for students who have completed course I and II or have a high level of fluency in spoken Menominee language. The focus of this course is on the use of conversational Menominee language in an immersion setting. (Prerequisite: LAN102 or instructor consent) (SU, FL; TL)

LAN111 Oneida Language I 4 Cr
Oneida Language I is an introductory course that provides students with basic lessons in the Oneida grammar, spelling system, and conversational vocabulary.

LAN299 Special Topics in Language 1-3 Cr
Topics vary according to interest and needs. May be repeated once.

LAW-TRIBAL LEGAL STUDIES

LAW101 Introduction to Legal Studies 3 Cr
This course will introduce the study of tribal law through legal norms, structures, and practices, oral traditions, tribal customs, forms of traditional tribal governments, the history of federal Indian policy, tribal justice systems, the history of tribal courts, the balance of tribal courts and the American legal system, tribal court authority, criminal and civil violations, criminal jurisdiction and civil jurisdiction. (FL;TH)

LAW201 Legal Research and Writing 3 Cr
This course will introduce legal research, legal research practice, legal writing practice, and legal analysis. (Prerequisites: ENG101, ENG102 and LAW101) (FL)

LAW203 Trial Advocacy 3 Cr
This course introduces basic concepts involved in trial advocacy (interviewing, investigation, fact/law analysis, case strategy, opening statements, direct examination, cross-examination, evidentiary objections, and closing arguments) through extensive skills exercises. (Prerequisites: COM100 and LAW101)

LAW204 Civil Law and Procedure 3 Cr
This course covers civil jurisdiction, including a range of general topics in civil substantive law (tort, contract, housing and probate), and civil procedure. (Prerequisite: LAW101)(SP)

LAW205 Family and Juvenile Law 3 Cr
This course examines family law (marriage, divorce, and domestic abuse) and juvenile law (adoption, guardianship, child abuse and neglect, Indian Child Welfare Act, child protection, status offenses, and delinquency.) (SP)

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LAW206 Tribal Government 3 Cr
This course examines tribal governments, tribal sovereignty, sources of tribal law (tribal constitutions, tribal codes, tribal common law, etc.) and contemporary tribal issues. (SL)

LAW290 Internship 2 Cr
This course will provide students with experience in a tribal court or tribal law office under the supervision of a legal professional through 60 hours of experience. (Student must have sophomore status or consent of instructor.) (SP)

LAW299 Special Topics in Law 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

MATHEMATICS

MAT106 College Algebra 3 Cr
Properties of the real numbers, solving linear and quadratic equations and inequalities, polynomial, fractional expressions and equations, exponents, powers and roots, systems of linear equations. Additional lab work may be required. (Prerequisite: Satisfactory placement test score or MAT090) (FL, SP, GER)

MAT115 Computer Applications in Science 3 cr
Introduction to computer aided data analysis and measurement. Topics include: elementary data acquisition and computer based visualization, quality of numerical information, model fitting, numerical differentiation/integration, solution of differential equations and symbolic calculation and introduction to Computer Algebraic Systems software (MathCad and/or Maple). Include discussion section (Prerequisites: MAT106) (SP)

MAT120 Elementary Functions: Algebra and Trigonometry 4 Cr
This course emphasizes aspects of algebra and trigonometry and problem solving that are important in the study of calculus. It includes functions and their applications to real world problems and different classes of functions including polynomial, exponential, logarithmic, and trigonometric functions. Graphing calculators are used frequently in class and on assignments. Prerequisite: (MAT106 College or Satisfactory placement test score) (FL)

MAT231 Calculus and Analytical Geometry I 4 Cr
Differential and integral calculus of the elementary functions with associated analytic geometry; transcendental functions; techniques of integration; application; sequences and series. (Prerequisite: MAT120) (SP)

MAT232 Calculus & Analytic Geometry II 3 cr
Formal integration with an emphasis on algebra practicum and reinforcement of the Fundamental theorem of Calculus, change of variables; infinite series with emphasis on power series and approximations, second order linear differential equations with constant coefficients and analytic geometry with vectors. The course will end with derivation of the fundamental laws of planetary motion. Graphing calculators are used frequently in class and on assignments. Includes discussion sections (Prerequisites: MAT231) (SP)

MAT234 Multivariate Calculus 3 cr
Multivariable Vector Calculus of space curves, surfaces and volumes. Includes double and triple integrals, the method of Lagrange multipliers, parametric curves in three dimensions, cylindrical and spherical coordinates, partial derivatives, continuity and differentiability in \( \mathbb{R}^n \), directional derivatives and the gradient. We will examine calculation of the center of mass, surface area, vector fields, line integrals and path independence. The class will close with surface integrals, Green’s Theorem, the Divergence theorem and Stoke’s theorem. Course includes discussion sections. (Prerequisites: MAT232)

MAT241 Discrete Mathematics 4 Cr
The purpose of this course is to provide the student with an overview of the fundamental ideas of discrete mathematics, and a foundation for the development of more advanced mathematical concepts. This course will help students prepare, understand and apply the following concepts to their field of interest. (Prerequisite: MAT120) (FL)

MAT247 Linear Algebra & Differential Equations 3 cr
Linear Algebra: matrix operations, Gaussian elimination, inverses, determinants, vector spaces and subspaces, linear dependence and independence, Wronskian, eigenvalues, eigenvectors, diagonal matrices. Differential equations: first order linear, separable, second order linear with constant coefficients, method of undetermined coefficients, simple harmonic motion, linear systems with constant coefficients. Includes discussion section (Prerequisite: MAT232 or consent of instructor) (FL)

MAT260 Introductory Statistics 4 Cr
Descriptive and inferential statistics, frequency distributions, graphical techniques, measure of central tendency and of dispersion, probability distributions, large and small sample estimation and inference, regression correlation, analysis of count data, analysis of variance. (Prerequisite: MAT106) (FL, SP)

MAT299 Special Topics Mathematics 1-3 Cr
Topics vary according to interest and needs. May be repeated one time. (This course can not be used as General Requirement.)

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NATURAL RESOURCES

NAR151 Introduction to Natural Resources  3 Cr
Integrated management of natural resources and their role in social, ecological, spiritual, and economic welfare. Basic principles of ecology and the application of those principles to management of natural resources are covered. (FL)

NAR232 Dendrology and Plant Systematics  3 Cr
Ecological and systematic concepts of the forest, with emphasis on dominant trees and shrubs, and their relationships in the forest community. (Prerequisites: BIO205 and NAR151). (FL)

NAR240 Ornithology  3 Cr
This course provides an overview of the importance of birds and their relationship to our environment. It focuses on the following areas: 1) Overview of the history and evolution of birds; 2) Adaptations in structure and behavior of birds to various habitat types; 3) Present issues surrounding human interactions, which have impacted on bird populations such as disturbed habitat, loss of habitat; and 4) Appreciation of bird species, utilizing local area habitats including identification by sight and song. (As needed)

NAR250 Introduction to Forestry, Fisheries, and Wildlife  3 Cr
Integrated introduction to principles and practices of forestry, fisheries, and wildlife management, including production of goods and services while maintaining ecosystem integrity and functions: emphasis on contemporary issues. (Prerequisite: NAR151)(FL)

NAR251 Introduction to Forestry, Fisheries, and Wildlife Laboratory  1 Cr
Laboratory component to NAR250 Intro to Forestry, Fisheries, and Wildlife. The lab will provide hands-on opportunities. Requirements: Must be registered for NAR250 in same semester. (FL)

NAR260 Introduction to Water and Soil Resources  3 Cr
Integrated concepts of soil and water resources at the landscape level. Physical, chemical, and biological interactions relating to watershed processes and responses to land use and management are identified. (Prerequisites: CHM101 or CHM105 and MAT106) (SP)

NAR261 Introduction to Water and Soil Resources Laboratory  1 Cr
Laboratory component to NAR260 Introduction to Water and Soil Resources. The lab will provide hands-on opportunities related to water and soil quality, their chemical and physical makeup, and interactions between the two. Requirements: Must be registered for NAR260 in same semester. (SP)

NAR270 Wildlife Field Monitoring Techniques  3 Cr
This course is intended as a hands-on approach to learning how to scientifically monitor wildlife populations. It will focus on species identifications, survey techniques and survey routes in the following study areas: 1) winter birds; 2) owl monitoring; 3) amphibian monitoring; 4) endangered and uncommon species monitoring; 5) and forest songbirds. (Prerequisite: NAR151) (As needed)

NAR290 Internship in Natural Resources  2 Cr
Supervised training program in resource management in cooperation with private or public resource agencies. Additional requirements determined by advisor before registration. May repeat once.

NAR299 Special Topics in Natural Resources  1-3 Cr
Major concepts and problems in an area of natural resources. Subtitle will designate topic. May be repeated once.

Nursing

NUR 110 Nursing Fundamentals  2 cr
This course focuses on basic nursing concepts that the beginning nurse will need to provide care to diverse patient populations. Current and historical issues impacting nursing will be explored with the scope of nursing practice. The nursing process will be introduced as a framework for organizing the care of patients with alterations in cognition, elimination, comfort, grief/loss, mobility, integument and fluid/electrolyte balance
Pre-req: Accepted into AD-Nursing or permission of the Dean of Nursing

NUR 111 Fundamentals Nursing Skills  3 cr
This course focuses on development of clinical skills and physical assessment across the lifespan. Content includes mathematic calculations and conversions related to clinical skills, blood pressure, assessment, aseptic technique, wound care, oxygen administration tracheotomy care, suctioning, management of enteral tubes, basic medication administration, glucose testing, enemas, ostomy care, and catheterizations. In addition the course includes techniques related to obtaining a health history and basic physical assessment skills using a body assessment approach. The impact of race and ethnicity on the findings of the health history and physical assessment will be incorporated.
Pre-req: Accepted into AD-Nursing or permission of the Dean of Nursing

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NUR 120 Nursing Pharmacology  2 cr
This course introduces the principles of pharmacology, including drug classifications and their effects on the body. Emphasis is placed on the use of the components of the nursing process when administering medications. Additionally, this course includes cultural influences on drug therapy, herbal and traditional medicines and ethnopharmacology. Pre-req: Accepted into AD-Nursing or permission of the Dean of Nursing

NUR 130 Introduction to Clinical Practice  2 cr
This introductory clinical course emphasizes basic nursing skills and application of the nursing process in meeting the needs of diverse clients. Emphasis is placed on performing basic nursing skills, the formation of nurse-client relationships, communication, data collection, documentation, medication administration and the beginning application of the nursing process. Pre-req, Co-req: NUR 110, NUR 111, NUR 120, BIO, 202

NUR 150 Nursing Health Promotion  3 cr
This course elaborates on the basic concepts of health promotion in the context of family. We will cover nursing care of the developing family which includes reproductive issues, pregnancy, labor and delivery, post-partum, the newborn and the child. Recognizing the spectrum of healthy families we will discern patterns associated with adaptive and maladaptive behaviors applying mental health principles. An emphasis is placed on teaching and supporting healthy lifestyle choices. Nutrition, exercise, stress management, empowerment and risk reduction practices are highlighted. Study of the family will cover dynamics, functions, discipline styles and stages of development. Pre-req: NUR 130

NUR 151 Clinical Care across the Lifespan  2 cr
The clinical experience applies nursing concepts and therapeutic interventions to clients across the lifespan. It also provides an introduction to concepts of teaching and learning. The extension of care to the family is also emphasized. Pre-req: NUR 130, NUR 150, BIO 204

NUR 160 Nursing Health Alterations  3 cr
This course provides elaboration on the basic concepts introduced in Nursing Fundamentals. It applies theories of nursing in the care of clients through the lifespan, utilizing problem solving, and critical thinking. This course will provide an opportunity to study conditions affecting different body systems and apply therapeutic interventions. It also introduces concepts of leadership, team building, and scope of practice. Pre-req: NUR 130

NUR 161 Introduction to Clinical Care Mngmnt  2 cr
The clinical experience applies nursing concepts and therapeutic nursing interventions to groups of clients. It also provides an introduction to leadership, management and team building. Pre-req: NUR 130, Pre-req, Co-req: NUR 160, BIO 204

NUR 199 Nursing Transitions LPN_RN  2 Cr
This course prepares transferring or returning students for transition into the nursing program. The course reviews the nursing process, with an emphasis on adulty physical assessment, the development of individualized client care plans, acquisition of critical thinking skills, and proficiency in dosage calculation including application of mathematical concepts. This course includes a required evaluation of the student's current clinical skills. Co-req: HUD210, BIO204, ENG101 and COM100

NUR 201 Complex Health Alterations  2 cr
This course facilitates the expansion of the student's knowledge from previous courses in caring for clients with alterations in musculoskeletal, cardiovascular, respiratory, endocrine, and hematological systems as well as clients with fluid/electrolyte and acid/base imbalances and alterations in comfort. Pre-req: NUR 151, NUR 161

NUR 202 Intermediate Clinical Practice  3 cr
This course facilitates the development of the registered nurses role when working with clients with complex health care needs. A focus of the course is developing skills needed for managing multiple clients and priorities. Using the nursing process, students will gain experience in adapting nursing practice to meet the needs of clients with diverse needs and backgrounds. Pre-req, Co-req: NUR 201, BIO 207

NUR 210 Mental Health and Community Concepts  2 cr
This course will cover topics related to the delivery of community and mental health care. Specific health needs of individuals, families, and groups will be addressed. Attention will be given to diverse and at-risk populations. Mental health concepts will concentrate on adaptive/maladaptive behaviors and specific mental health disorders. Community resources will be examined in relation to specific types of support offered to racial, ethnic, economically diverse individuals and groups. Pre-req: NUR 151, NUR 161 Co-req: HUD 210, PSY 100

NUR 211 Advanced Nursing Skills  1 cr
This course focuses on the development of advanced clinical skills. Content includes advanced IV skills, blood product administration, chest tube systems, basic EKG interpretation and nasogastric/feeding tube insertion. Pre-req, Co-req: NUR 201

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NUR 250 Complex Health Alterations II 3 cr
This course prepares the student to expand knowledge and skills from previous courses in caring for clients with alterations in the immune, neuro-sensory, musculoskeletal, gastrointestinal, hepatobiliary, renal/urinary and reproductive systems. The student will focus on management of care of clients with high-risk perinatal conditions, high-risk newborns and the ill child. Synthesis and application of previously learned concepts will be evident in the management of clients with critical/life-threatening situations.
Pre-req: NUR 202, NUR 211

NUR 251 Nursing Advanced Clinical Practice 3 cr
This advanced clinical course requires the student to integrate concepts from all previous courses in the management of groups of clients facing complex health alterations. Students will have the opportunity to further develop critical thinking skills using the nursing process in making clinical decisions. Interdisciplinary collaboration is emphasized as an integral component in the continuity of care.
Pre-req, Co-req: NUR 250

NUR 260 Nursing Management and Professional Concepts 2 cr
The focus of this course is on the roles of the nurse as a manager and as a member of the discipline embedded within current issues and trends in nursing practice. Additionally this course guides graduating students through the process of completing a nursing portfolio to use when transferring to another institution or when seeking employment as a nurse. Students will complete a self assessment through the review of their current and previous clinical and theoretical coursework. The nursing portfolio is then presented to CMN faculty for critique and evaluation.
Pre-req: NUR 202, NUR 211

NUR 261 Nursing Clinical Transition 2 cr
This course will assist the student in the transition from student nurse to graduate nurse. This course promotes the integration of all knowledge learned in previous courses, relatively independent clinical decisions, delegation, and working collaboratively with others to achieve client/patient and organizational outcomes.
Pre-req, Co-req: NUR 260

OFT 101 Microsoft Word Applications 2 cr
This course covers the necessary Microsoft Word 2007 skills for Certiport Microsoft Office Specialist Certification. As an overview of Microsoft Excel, this course covers basic features, such as creating, modifying, and printing a basic worksheet. The student will learn formulas and functions, formatting of cells, what-if analysis, and the utilization of the fill handle to create a series. As the primary project in the course, students will have designed, developed and created an Excel spreadsheet as artifact number three in Microsoft Excel for their employment portfolios. (Co/prerequisites: OFT 101 Microsoft Word and OFT 103 Business Presentations with Microsoft PowerPoint or instructor consent)

OFT 102 Microsoft Excel Applications 2 cr
This course covers the necessary Microsoft Excel skills for Certiport Microsoft Office Specialist Certification. As an overview of Microsoft Excel, this course covers basic features, such as creating, modifying, and printing a basic worksheet. The student will learn formulas and functions, formatting of cells, what-if analysis, and the utilization of the fill handle to create a series. As the primary project in the course, students will have designed, developed and created an Excel spreadsheet as artifact number three in Microsoft Excel for their employment portfolios. (Co/prerequisites: OFT 101 Microsoft Word and OFT 102 Microsoft Excel or instructor consent)

OFT 103 Business Presentations with Microsoft PowerPoint 3 cr
This course covers the necessary Microsoft PowerPoint skills for Certiport Microsoft Office Specialist Certification. The course material includes application of intermediate to advanced slide presentation functions using Microsoft PowerPoint, including advanced tools, masters, charts, illustrations, objects media clips and advanced features. Additionally, students will demonstrate interpersonal and public speaking skills for the modern office through individual and group presentations. As the primary project in the course, students will have designed, developed and created an artifact in Microsoft PowerPoint for their employment portfolios. (Co/prerequisites: OFT 101 Microsoft Word and OFT 102 Microsoft Excel or instructor consent)

OFT 104 Professional Profile 3 cr
This course covers the professional skills necessary for Certiport Certification. The course materials cover the qualities and techniques needed to be an effective and successful employee in an increasingly sophisticated business world. The course will focus on business and social etiquette, teamwork, business grooming and wardrobe, decision making and problem solving,
professional ethics, workplace politics and personalities, organization and employer expectations.

**OFT 105 Math with Business Applications**  
3 cr  
This course covers the necessary math skills to use formulas in Microsoft Excel for Certiport Microsoft Office Specialist Certification. The course material covers real numbers, basic operations, linear equations, percents, markups and markdowns, payroll calculations, simple interest, compound interest, annuities, the application of math to the buying and selling processes and basic statistics.

**OFT 106 Proofreading and Editing**  
3 cr  
This course covers the necessary proofreading and editing skills for Certiport Certification. Students will improve proofreading skills through a review of proper punctuation, number usage, capitalization, grammar, editing symbols, word choice and spelling. Students will also learn machine transcription skills. Materials covered will help students to achieve the language skills needed to communicate effectively in the business environment and to achieve Certiport Certification.

**OFT 107 Written Communication in the Business Office**  
3 cr  
This course covers the professional writing skills necessary for Certiport Microsoft Office Specialist Certification through a review of word choices, sentences and paragraphs, tone and awareness of audience and purpose. Materials covered will prepare students to write and properly format business correspondence, reports and job-seeking documents. As the end result of the course, students will have designed, developed and created a resume and cover letter as an artifact in Microsoft Word for their employment portfolio.

**OFT 108 Records Management**  
This course expands on the necessary database skills for Certiport Microsoft Office Specialist Certification. The course material provides learners with knowledge of the comprehensive field of records management. Emphasis will be placed on the principles and practices of effective records management for manual and automated database record systems.

**OFT 109 Business Experience Applied**  
This course is designed to provide students with the experience of working in an office setting. Students shall document 45 hours at their internship location. Internship supervisors shall sign time sheets to be submitted to the instructor on a bi-monthly basis. The instructor will meet with the placement supervisor a minimum of one time during the placement. Internship supervisors shall provide feedback on the student's performance during the semester.

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**PHILOSOPHY**

**PHL100 Introduction to Philosophy**  
3 Cr  
Survey of important problems in philosophy such as the nature of reality, knowledge, values, being, etc. (FL; HUM)

**PHL206 Contemporary Moral Problems**  
3 Cr  
An attempt to clarify selected moral issues by applying insights of moral philosophy and tools of critical reflection. (SP; HUM)

**PHL207 Environmental Ethics**  
3 Cr  
Philosophical, religious, and scientific concepts and values which have structured human attitudes toward the natural environment; alternative concepts and values will be explored. (As required; HUM)

**PHL217 American Indian Enviro. Philosophies**  
3 Cr  
The study of traditional and contemporary American Indian thought about people in relationship to the natural world with particular reference to Wisconsin tribes. (As required; HUM)

**PHL299 Special Topics in Philosophy**  
1-3 Cr  
Topics vary with needs and interests. May be repeated once.

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**PHYSICS**

**PHY103 Fundamentals of Physics I**  
5 Cr  
A non-calculus physics course presenting a unified view of the fundamental principles of physics. Topics include vectors, kinematics, Newtonian dynamics, the conservation laws, and oscillatory motion. Includes Labs.  
(Prerequisites: MAT106 or instructor consent) (FL, SP; PS)

**PHY203 Physics I**  
3 cr  
First Semester calculus based physics for Engineering and Physical Science: measurement, energy and momentum, kinetics and dynamics of translation, rotation and oscillation, introduction to thermodynamics. Includes laboratory and discussion section.  
(Prerequisite: PHY203) (SP, NS, PS)

**PHY204 Physics II**  
3 cr  
Second semester calculus based physics for Engineering and Physical Science. Topics include: Electricity and Magnetism, AC and DC circuits, Electromagnetic Wave, Optics, Light and Matter. Includes laboratory and discussion sections. (Prerequisite: PHY203) (SP, NS, PS)

**PHY231 Physics III: Physics of Matter**  
3 cr  
Introduction to modern physics, thermodynamics, kinetic theory, wave-particle duality, wave nature of light, optics,
matter waves, interference, stability, operators and expectation values, wave vectors and the Schrödinger equation, quantization and energy levels, elementary quantum mechanics, fundamentals of atomic and molecular structure, energy propagation in materials. Course includes special topics laboratory and discussion sections (Prerequisite: PHY204 and MAT247) (FL, NS, PS)

**PHY299 Special Topics in Physics**  1-3 Cr  
Topics vary according to interest and needs. May be repeated once

**POLITICAL SCIENCE**

**POL101 American Government and Politics**  3 Cr  
The institutions and political processes of American national government and the nature of political analysis; the Constitution, ideological and cultural bases of American politics; the role of political parties, elections and interest groups; policy-making processes in the Congress, the presidency and courts. (FL; SS)

**POL202 Introduction to Public Policy**  3 Cr  
Contemporary issues in American public policy. Substantive public policies such as those dealing with the American economy, energy, crime, environmental quality, the welfare state and social programs. Models of the policy process are also considered. (SP;SS)

**POL206 American and Tribal Policy Making**  3 Cr  
Analysis of American and Tribal government policy-making. The emphasis is upon theories of the policy process. Substantive American, state, and gaming policy and social policy issues will be explored. (As needed; SS)

**POL299 Special Topics in Political Science**  1-3 Cr  
Topics vary according to needs and interests. May be repeated one time.

**PSYCHOLOGY**

**PSY100 Introduction to Psychology**  3 Cr  
Overview of the field of psychology across cognitive, social, and clinical perspectives. This course provides information to students to examine basic assumptions of established theories in the home, school, and work settings. (FL, SP; SS)

**PSY201 Issues in Diversity and Discrimination**  3 Cr  
This course introduces students to public policies, regulations, and programs that either exacerbate or remediate issues in diversity and discrimination. The course addresses both historical and current issues, how discrimination is addressed individually and collectively, and how an upbrining involving diversity and discrimination impacts the daily lives of American Indians and other individuals that encounter such issues. (Prerequisite: PSY100 or HUD210) (SP;SS)

**PSY299 Special Topics in Psychology**  1-3 Cr  
Topics vary according to needs and interests. May be repeated one time.

**RESIDENTIAL BUILDING**

**RES 100 Applied Technical Communication in Human Relations**  2 cr  
This course covers application of communication skills and interpersonal/group problem solving, decision making, listening, speech, research, and writing program/work-related documents. (SP)

**RES 101 Safety & Material Handling 1**  1 cr  
Students will receive training in the safe use of hand, portable power, and stationary power tools and equipment in a variety of shop and on-site tasks, as well as working with ladders and scaffolds. Course will follow safety requirement of OSHA. (FL)

**RES 102 Panelized and Modular Manufacturing**  3 cr  
Students will utilize standard and sustainable building practices when simulating panelized manufacturing. Floor and wall panel installation, roof framing and shingle installation will also be completed for this course. The course includes industrial tour activities to analyze the methods and techniques used in the production of factory-built housing and the on-site installation of modular and panelized construction (FL)

**RES 103 Safety and Material Handling 2**  1 cr  
Students will continue training in the safe use of hand tools, power tools and all equipment used in the building process. Emphasis will be on on-site safety techniques for residential construction. (SP)

**RES 104 Sustainable Residential Electrical, Plumbing, and Solar Energy**  2 cr  
This course covers plumbing, electrical and solar energy systems associated with green residential structures. Students study the process and codes governing the installation and modifications of the plumbing, electrical and solar energy systems as residential components. (FL)

**RES 105 Mechanical Systems HVAC**  2 cr  
Residential heating and air condition systems are covered from a new construction perspective. Installation of forced air and hydronic systems is considered with load

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calculations, systems sizing, and applicable codes. An extensive hand-on experience is provided, including sheet metal, piping and electrical components. (FL)

**RES 106 Site Layout/Framing and Construction Techniques** 3 cr  
This course covers the use of builder’s level/transit and laser. Students will lay out a building site for a house considering environmental efficiency; study and practice techniques used in construction of footing and foundations; and frame walls, floors, and roofs using sustainable practices. (FL)

**RES 107 Exterior Finish** 3 cr  
This course emphasizes the proper installation of soffit, fascia and siding. The student will also be responsible for landscaping a lot. (SP)

**RES 108 Interior Finish** 3 cr  
Student will be taught the safe use of finish tools. Installation techniques for window and door trim, interior doors and cabinets will be practiced. Students will be responsible for the completion of the on-site house to move-in condition. (SP)

**RES 109 Consumer Economics** 1 cr  
A practical study of consumer problems and consumer choice, this course is designed as a lab/discussion/work group format. Selected topics include budgeting and family resource management, sources of consumer information, help in solving consumer problems, government taxing and spending and consumer decision making in such areas as transportation, insurance, financial institutions, consumer good and services, housing and credit. (SP)

**RES 110 Applied Mathematics 1 – Trades** 2 cr  
Review application of basic arithmetic skills involving whole numbers, fractions, and decimals. Introduction and application of percents, area, volume, ratios, and proportions will also be covered. The measurement system, angle, perimeter, square and board feet and formulas for geometric shapes as well as algebra will be taught. (FL)

**RES 111 Residential Blueprint Reading and Estimating** 2 cr  
This course combines blueprint reading with planning and production estimation. Terminology and symbols associated with plot plans, foundations, floor plans, truss plans, and panelized plans will be studied as well as trade and other industry prints. (FL)

**RES 112 Trade Construction & Component Installation Techniques** 5 cr  
Students will examine all the trades associated with residential construction not typically done by the construction workers. Students will be responsible for the electrical, HVAC, insulation, and drywall of the site-built home. The safe use of the appropriate tools for each trade will also be covered. (FL)

**SOCILOGY**

**SOC100 Introduction to Sociology** 3 Cr  
Sociology as a special field of social science, social relations, and social systems; the organization of societies/other human groupings; fundamentals of sociological investigation, dealing with the underlying premises, concepts, logic, and methods of sociology. (SP; SS)

**SOC101 Introduction to Criminal Justice** 3 Cr  
Introduces the student to the study of crime and the administration of justice in the United States. The course focuses on the roles of police, prosecution, courts, and corrections in dealing with people charged with the commission of crimes. Upon completion of this course, students will have a better understanding from a historical perspective of how the criminal justice process evolved and is carried out in the U.S. today. (FL; SS)

**SOC110 Criminal Law** 3 Cr  
This course covers the general principles of criminal law and the elements of specific crimes in Wisconsin. Students will learn to recognize when a crime has occurred under Wisconsin law and determine what charge is appropriate.

**SOC208 Sociology of Family** 3 Cr  
Marriage and families in society; historical changes in family life; problems of defining family, social class, ethnicity/gender as key variables in family power, life transitions; and divorce/remarriage. (Prerequisite: SOC100, HUD210, or HUS200) (FL; SS)

**SOC299 Special Topics in Sociology** 1-3 Cr  
Topics vary according to needs and interests. May be repeated one time.

**SUSTAINABLE DEVELOPMENT**

**SDE100 Introduction to Sustainable Development** 3 Cr  
Exploration of dimensions of sustainable development with emphasis on the linkages between land/sovereignty, appropriate technology, environment, institutions, human behavior and economics. (Prerequisite: Satisfactory placement test score of 74 in Reading and 81 in Sentence Skills or a grade of "C" or higher in EDU095.) (FL, SP; SS)

**SDE290 Implementing Sustainable Development** 3 Cr  
This course is for graduating students who experience a Faculty-mentored individual project. Students select
implementation project based on six dimensions of sustainable development, and with appropriate Faculty guidance develop a project based on the implementation of one of the dimensions of sustainable development to a new initiative. (Prerequisite: SDE100)

SDE299 Special Topics in Sustainable Development 3 Cr
This course covers interests, issues, trends in Sustainable Development. Topics vary. May be repeated once.

Technical - Practical Nursing

TPN 110 Nursing Fundamentals 2 cr
This course focuses on basic nursing concepts that the beginning nurse will need to provide care to diverse patient populations. Current and historical issues impacting nursing will be explored with the scope of nursing practice. The nursing process will be introduced as a framework for organizing the care of patients with alterations in cognition, elimination, comfort, grief/loss, mobility, integument and fluid/electrolyte balance.

Pre-req: Accepted into Practical Nursing or permission of the Dean of Nursing

TPN 111 Fundamentals Nursing Skills 3 cr
This course focuses on development of clinical skills and physical assessment across the lifespan. Content includes mathematical calculations and conversions related to clinical skills, blood pressure, assessment, aseptic technique, wound care, oxygen administration, tracheotomy care, suctioning, management of enteral tubes, basic medication administration, glucose testing, enemas, ostomy care, and catheterizations. In addition the course includes techniques related to obtaining a health history and basic physical assessment skills using a body assessment approach. The impact of race and ethnicity on the findings of the health history and physical assessment will be incorporated.

Pre-req: Accepted into Practical Nursing or permission of the Dean of Nursing

TPN 120 Nursing Pharmacology 2 cr
This course introduces the principles of pharmacology, including drug classifications and their effects on the body. Emphasis is on the use of the components of the nursing process when administering medications. Additionally, this course includes cultural influences on drug therapy, herbal and traditional medicines and ethnopharmacology.

Pre-req: Accepted into PRACTICAL Nursing or permission of the Dean of Nursing

TPN 130 Introduction to Clinical Practice 2 cr
This introductory clinical course emphasizes basic nursing skills and application of the nursing process in meeting the needs of diverse clients. Emphasis is placed on performing basic nursing skills, the formation of nurse-client relationships, communication, data collection, documentation, medication administration and the beginning application of the nursing process.

Pre-req, Co-req: TPN 110, TPN 111, TPN 120, BIO, 202

TPN 150 Nursing Health Promotion 3 cr
This course elaborates on the basic concepts of health promotion in the context of family. We will cover nursing care of the developing family which includes reproductive issues, pregnancy, labor and delivery, post-partum, the newborn and the child. Recognizing the spectrum of healthy families we will discern patterns associated with adaptive and maladaptive behaviors applying mental health principles. An emphasis is placed on teaching and supporting healthy lifestyle choices. Nutrition, exercise, stress management, empowerment and risk reduction practices are highlighted. Study of the family will cover dynamics, functions, discipline styles and stages of development.

Pre-req: TPN 130

TPN 151 Clinical Care across the Lifespan 2 cr
The clinical experience applies nursing concepts and therapeutic interventions to clients across the lifespan. It also provides an introduction to concepts of teaching and learning.

The extension of care to the family is also emphasized.

Pre-req: TPN 130
Pre-req, Co-req: TPN 150, BIO 204

TPN 160 Nursing Health Alterations 3 cr
This course provides elaboration on the basic concepts introduced in Nursing Fundamentals. It applies theories of nursing in the care of clients through the lifespan, utilizing problem solving, and critical thinking. This course will provide an opportunity to study conditions affecting different body systems and apply therapeutic interventions. It also introduces concepts of leadership, team building, and scope of practice.

Pre-req: TPN 130

TPN 161 Introduction to Clinical Care Mngmnt 2 cr
The clinical experience applies nursing concepts and therapeutic nursing interventions to groups of clients. It also provides an introduction to leadership, management and team building.

Pre-req: TPN 130
Pre-req, Co-req: TPN 160, BIO 204

THEATER

THE101 American Indian Theater 3 Cr
A study of American Indian Theater as an art form. Special attention will be paid to the texts of plays by American Indian playwrights and the context for performance of
drama in native and other communities. Also studied will be the application of traditional American Indian ceremony, ritual, spirituality, music, drumming, and dance to the writing and performance of contemporary American Indian drama. Students will also be coached in performance styles and staging approaches as they apply to American Indian drama. (FL, SP; FA, HUM)

THE201 Theatre Production 3 cr
This course is designed to give students hands-on experience with creating a Theatre Production. Through students’ desires and auditions the instructor will place the students into cast and crew roles for the production. Then using Stanislavski method acting, students will develop in their roles to create wholly realized characters that define and shape the production. Meanwhile, the crew of the show will create the technical elements to enhance the show. Together, the cast, crew, and director will work together to create a unified Theatrical Production for College of Menominee Nation and the surrounding community. (FL, SP; FA)

THE202 Playwriting 3 cr
This is an introductory course designed to give students hands-on experience in the craft of playwriting. Students will learn through specific techniques, practical exercises, exploration of exemplary plays, and the employed methodology of award-winning playwrights. At the completion of this course, students will have composed fully realized fifteen minute plays that are ready for both staged readings and full theatrical productions. (Pre-requisite: ENG101) (SP; FA, HUM)

THE299 Special Topics in Theater 3 Cr
Topics vary according to needs and interests. May be repeated one time.

WELDING

WEL 101 Welding Processes 1 5 cr
Welding Processes 1 offers skill development in the SMAW, GMAW, OAW and OAC processes. Titania and low-hydrogen electrodes are used for all-position “stick” welding. Students also gain thorough knowledge of process fundamentals and applications. Students apply welding knowledge and skill to simple fabrications and repairs. (FL)

WEL 102 Welding Processes 2 5 cr
Welding Processes 2 offers skill development in the SMAW and GMAW processes. Low-hydrogen and cellulose electrodes are used for all-position “stick” welding. Students also gain thorough knowledge of process fundamentals and applications. Students apply welding knowledge and skill to simple fabrications and repairs (Prerequisites: EL 101) (FL)

RES 110 Applied Mathematics 1 – Trades 2 cr
Review application of basic arithmetic skills involving whole numbers, fractions, and decimals. Introduction and application of percents, area, volume, ratios, and proportions will also be covered. The measurement system, angle, perimeter, square and board feet and formulas for geometric shapes as well as algebra will be taught. (FL)

WEL 105 2D Machine Tool CAD 1 cr
In this course, students will learn through specific techniques, practical exercises, exploration of exemplary plays, and the employed methodology of award-winning playwrights. At the completion of this course, students will have composed fully realized fifteen minute plays that are ready for both staged readings and full theatrical productions. (Pre-requisite: ENG101) (SP; FA, HUM)

WEL 106 Welding Materials and Metallurgy 2 cr
Welding Materials and Metallurgy is an exploration of physical and mechanical metallurgy within the context of welding fabrication. Students practice identification of ferrous and non-ferrous metals and study material properties as related to crystal and microstructures. The effects of various welding and heat treatment processes on metal properties are studied. Weld defects are investigated through destructive and nondestructive testing. (SP)

WEL 103 Welding Processes 3 5 cr
Welding Processes 3 allows for advanced skill development in SMAW welding processes. Students also gain basic skill and knowledge in GMAW and FCAW. Students apply welding knowledge and skill to various certification tests and fabrications projects. (Prerequisites WEL 101 and WEL 102) (SP)

WEL 104 Welding Processes 4 5 cr
In Welding Processes 4, students gain basic skill and knowledge in GTAW and SAW, as well as PAC and ACAC. Students apply welding knowledge and skill to various certification tests and fabrication projects. (Prerequisites: WEL 101, WEL 102 and WEL 103) (SP)
COURSE OPTIONS

ALTERNATIVE COURSE DELIVERY

CMN may cancel classes for a variety of reasons, therefore some courses may be offered by Alternative Course Delivery methods or other means.

Eligibility for an Alternative Course Study requires that a student possess a minimum GPA of 2.00 and have sophomore status. Students must contact his/her assigned advisor for assistance.

These courses will be denoted with a section number starting with 9. (i.e. 91,92 or 99)

INDEPENDENT STUDY

The purpose of Independent Study is to allow the student to explore a topic of scholarly interest which is not available through traditional CMN coursework.

**XXX293 Independent Study** 1-6 Cr
Independent Study is offered on an individual basis to students who want to study an area not represented in available scheduled courses. It consists of a program of scholarly and/or research activities carried out over a semester that are planned with and supervised by a full-time faculty member with expertise in the area. An Independent Study Request Form, signed by the student and full-time faculty member, must be submitted to the Departmental Dean for approval in advance of registration.

This course cannot be used to fulfill a General Education or Program Emphasis Requirement.

**Pre-requisite:** Cumulative GPA 2.7 or higher

**XXX493 Independent Study** 1-6 Cr
Independent Study is offered on an individual basis to students who want to study an area not represented in available scheduled courses. It consists of a program of scholarly and/or research activities carried out over one semester that are planned with and supervised by a full-time faculty member with expertise in the area. An Independent Study Form, signed by the student and full-time faculty member, must be submitted to the Departmental Dean for approval in advance of registration.

This course cannot be used to fulfill a General Education or Program Emphasis Requirement.

**Pre-requisite:** Junior or Senior Status; Cumulative GPA 2.7 or high

SPECIAL TOPICS

This course is developed by faculty according to needs and interest.

**XXX299 Special Topics** 1-3 Cr
Topics vary according to needs and interests. May be repeated one time.

**XXX499 Special Topics** 1-3 Cr
Topics vary according to interest and needs. This may be repeated once. This course cannot be used to fulfill a General Education or Program Emphasis Requirement. 
**Pre-requisite:** Junior or Senior status

The course index is updated on the website to view the most recent updates go to:

http://www.menominee.edu/About_CMN.aspx?id=523

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