Course Descriptions

2012-2013

BETHEL UNIVERSITY

CATALOG

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Note: we are reviewing the descriptions for inconsistencies among colleges and will publish a revision by the end of the fall semester.

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Undergraduate Level Course Descriptions

Accounting

ACT 201 Principles of Accounting I (3 hours)
The meaning and purpose of accounting principles; the accounting cycle including journal entries, posting, trial balances, adjusting and closing procedures; special journals, receivables, payables, inventories; an introduction to partnership accounting.

ACT 202 Principles of Accounting II (3 hours)
Corporation accounting including capital formation, retained earnings, and dividends; long-term liabilities, accounting for income taxes, and elementary cost accounting systems; financial statement analysis. Prerequisite: ACT 201 with a grade of C or better.

ACT 203 Integrated Accounting Software (1 hour)
Hands-on experience with an accounting software package with programs on general ledger, inventory control, accounts payable, accounts receivable, and business payrolls. Course should be taken concurrently with ACT 202. Prerequisite: ACT 201 with a grade of C or better.

ACT 301 Intermediate Accounting I (3 hours)
Theory and practice of generally accepted accounting principles including the evolvement and development of such principles; a detailed study of cash, receivables, inventories, and plant assets. Prerequisite: ACT 202 with a grade of C or better.

ACT 302 Intermediate Accounting II (3 hours)
Continuation of 301; current and long-term liabilities: corporate equity theory; corrections and adjustments; financial ratios and inter period income tax allocation. Prerequisite: ACT 301 with a grade of C or better.

ACT 311 Cost Accounting I (3 hours)
An introduction to manufacturing cost accountability; job order and process cost accounting systems; manufacturing overhead including variance analysis; predetermined overhead rates; joint and by-product cost allocation methods. Prerequisite: ACT 202.

ACT 312 Cost Accounting II (3 hours)
Accounting for materials and labor costs; standard costing systems; budgeting and capital expenditures. Prerequisite: ACT 311.

ACT 321 Managerial Accounting (3 hours)
Accounting from the professional manager's perspective; the use of management accounting as a control tool for management decisions; budgets, profit planning, cost controls, variable costing, and capital investment techniques; cash flow analyses. Prerequisites: BUS 301 and ACT 202 with a grade of C or better. Same as BUS 321.

ACT 322 Governmental Accounting (3 hours)
Accounting theory and practice as it applies to federal, state, and local government agencies; not-for-profit organization accounting techniques; budgetary and other compliance requirements; the Single-Audit of 1984; classification of funds including enterprise funds, financial statements, and other reports. Prerequisite: ACT 202 with a grade of C or better.

ACT 368 Fraud Examination (3 hours)
This course is designed to provide students with an in-depth look at fraud detection, prevention, investigation, management, and resolution in business environments. Same as BUS 368.

ACT 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

ACT 401 Advanced Accounting (3 hours)
A study of financial accounting theory and practice relating to accounting for long-term investments, business combination under the purchase and pooling methods, and consolidated financial statements. Segment and interim reporting standards, corporate insolvency, and partnership accounting are also examined. Prerequisite: ACT 302 with a grade of C or better.

ACT 411 Federal Income Tax (3 hours)
Study of the basic concepts of federal income taxation as they apply to individuals and businesses. Topics include gross income, exclusions, allowable deductions, and basis for gain or loss on the disposition of property. Prerequisite: ACT 202 with a grade of C or better.

ACT 412 Advanced Federal Income Tax (3 hours)
A study of federal taxes imposed on business entities with emphasis on corporations, partnerships, and S corporations. Also includes overview of tax research techniques. Prerequisite: ACT 411 with a grade of C or better.

ACT 421 Auditing (3 hours)
Theory and practice of professional independent auditing; generally accepted auditing standards and procedures; professional ethics and internal accounting control; audit programs for specific accounts; legal responsibilities of professional auditors including third-party reliance; working papers and audit reports. Prerequisite: ACT 302 with a grade of C or better.

ACT 422 Advanced Auditing (3 hours)
An in-depth analysis of advanced topics within professional independent auditing with special attention to professional standards, the impact of SEC on auditing, the objectives in planning an audit, EDP considerations, and current topics in auditing. Prerequisite: ACT 421 with a grade of C or better.

ACT 425 Internal Auditing (3 hours)
An introduction to internal auditing processes, professional standards, internal control systems, and audit evidence embracing sampling and quantitative methods. Includes the discussion of various types of audit applications, including operational, performance, compliance, financial, EDP, and fraud auditing. Prerequisite: ACT 202 with a grade of C or better.

ACT 440 CPA Problems (3 hours)
The analysis and review of accounting principles and practices as developed and illustrated in complex selected problems. Discussion of selected problems and theory. Laboratory practice in the solution of typical problems encountered in the CPA examination. Grading will be pass/fail only and not part of elective semester hours in accounting. Prerequisite: Consent of instructor.

ACT 441 CMA Problems (3 hours)
The analysis and review of accounting principles and practices as developed and illustrated in complex managerial accounting problems. Discussion of selected problems and theory. Practice in the solution of typical problems encountered in the CMA examination. Grading will be pass/fail only and not part of elective semester hours in accounting. Prerequisite: Consent of instructor.

ACT 460 Internship (1-12 hours)
Approved work experience in an accounting environment. Prerequisites: Consent of advisor, senior standing, major in Business Management with Accounting emphasis with at least a B average in accounting courses.

ACT 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

ACT 495 Honors Project (4 hours)
Open to seniors by invitation only.

Anthropology

ANT 4901 Introduction to Anthropology (3 hours)
This course is designed to introduce students to the field by reviewing its four traditional subfields. The course will expose students to cultural anthropology, archaeology, physical anthropology, and linguistics. Subjects such as, Ethnography, Archaeological Fieldwork, Primatology, Human Variation, Forensic Science, and applied Linguistics are just a few subfields that are reviewed. Students will be encouraged to form opinions and be willing to express them through discussion and writing.

Art

ART 111 Introduction to Drawing (3 hours)
Hands-on experience in media and techniques for the beginning art student. Equal emphasis on basic drawing and figure drawing. Opportunities given for development of perception, drawing skills, and the application of the elements and principles of design.

ART 112 Design (3 hours)
Elements of design used to control, organize, and integrate composition. Equal emphasis on two and three dimensional design. Prerequisite: ART 111.

ART 201 Introduction to Painting (3 hours)
Experience in a variety of materials and techniques stressing individual approach to creative expression and development of aesthetic judgment. Prerequisite: ART 112.

ART 202 Arts and Crafts (3 hours)
Fundamental craft techniques; nature and function of metals, fibers, and ceramics. Emphasizes the functional and aesthetic qualities of good design applied to educational, social, and recreational craft activities. Offered in the summer session only.

ART 206 Introduction to Computer Art (3 hours)

Introductory course in the application of computer software to the arts. The student will have hands-on experience in free-hand drawing, digitizing, graphics and animation.

ART 211 Lettering and Display (3 hours)
History and application of lettering; new techniques in lettering and display presented.

ART 212 Introduction to Visual Arts (3 hours)
Elements of art, functions of design, techniques, and aesthetics; survey of the history of art of the Western World. Stylistic analysis used to consider major influences determining the character and purpose of art in history.

ART 213 History of the Visual Arts I (3 hours)
An introduction to the aesthetic principles of visual arts as exemplified in selected masterpieces from the ancient world to the 15th century.

ART 214 History of the Visual Arts II (3 hours)
An introduction to the aesthetic principles of visual arts as exemplified in selected masterpieces from the 16th century to the present period.

ART 299 Individual Study (1-3 hours)
Selected media and/or genre for intensive study. Prerequisite: Approval of instructor, advisor, and Academic Dean.

ART 309 Ceramics I (3 hours)
Methods of structuring clay objects including hand-build and wheel-throwing techniques, glazing and firing methods.

ART 310 Ceramics II (3 hours)
Advanced methods of structuring clay objects including hand-build and wheel-throwing techniques, glazing and firing methods. Prerequisite: ART 309.

ART 320 Figure Drawing (3 hours)
Drawing from live human models and drapery in charcoal, pencil and other materials. Prerequisite: ART 111.

ART 340 Women in Visual Art (3 hours)
The development of the visual arts with an emphasis on the female artist. Prerequisite: ART 213.

ART 350 Introduction to Digital Art (3 hours)
An introductory course in the application of the use of the digital cameras in basic fundamentals, composition, and application of programs. Prerequisite: ART 111 and 206.

ART 360 Non-Western Art History (3 hours)
The development of the visual arts in non-western cultures from Paleolithic to modern times.

ART 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing; approval of advisor and Academic Dean.

ART 401 Art for Life: Elements and Activities (3 hours)
Basic fundamentals of art history, criticism, aesthetics, media, and techniques. Philosophies and objectives of art for all ages, recreational and aesthetic. Student-led class activities to demonstrate personal knowledge and leadership in a group experience.

ART 416 Senior Thesis Exhibition (3 hours)
Students will present a portfolio of works during their senior year for jury by the faculty and a public exhibition.

ART 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

Biology

BIO 100/1000, 100L/1000D Essentials of Biology (3, 1 hours)
Integrated view of life with emphasis on four core areas: cells, genes, evolution, and ecology. Designed for students who are not majoring in Biology, Chemistry, Pre-Pharmacy, Pre-Physician Assistant Studies, or Nursing or minoring in Biology or Pre-Professional Health Sciences. Laboratory.

BIO 111, 111L Introduction to Biology I (3, 1 hours)
Introduction to the science of biology with focus on biological chemistry, cell biology, genetics, and evolution. Designed for students who are majoring in Biology, Chemistry, Pre-Pharmacy, Pre-Physician Assistant Studies, or Nursing, as well as those minoring in Biology or Pre-Professional Health Sciences. Laboratory. Prerequisite: Appropriate program of study or permission of the instructor. No student may be enrolled in BIO 111 while enrolled in any course below the 100 level.

BIO 112, 112L Introduction to Biology II (3, 1 hours)
Continued investigation of the science of biology with focus on biological diversity, plant biology, animal biology, and ecology. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 200, 200L Human Biology (3, 1 hours)
Introduction to human anatomy and physiology. Topics include an introduction to the structure and function of the human organ systems and their integration. Laboratory.

BIO 302, 302L Comp Chordate Morphology (3, 1 hours)
Study of the morphology of the Cordate in order to develop and understanding of the evolutionary relationships, adaptations, form, and function of the group. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 304, 304L Genetics (3, 1 hours)
Principles of Mendelian and modern genetics and biochemical basis of inheritance. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 305, 305L Population Biology and Evolution (3, 1 hours)
Biology of animals and plants at the population level; organization and structure related to speciation and evolution. Laboratory. Prerequisite: BIO 304.

BIO 308 Computer Applications in Statistics and Research (3 hours)
Introduction to the use of computer software in statistical analysis; database applications, biological models, and simulations. Introduction to scientific writing. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 309, 309L Human Anatomy and Physiology I (3, 1 hours)
Designed for pre-nursing and other programs in allied health fields. Topics include cell structure and biochemistry, histology, and anatomy and physiology of skeletal, muscular, sensory, and nervous systems. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 310, 310L Human Anatomy and Physiology II (3, 1 hours)
Continuation of BIO 309. Topics include the anatomy and physiology of circulatory, respiratory, endocrine, digestive, excretory, and reproductive systems. Aspects of metabolism, body fluids, electrolytes, and acid-base balance are covered. Laboratory. Prerequisite: BIO 309.

BIO 311, 311L Introduction to Microbiology (3, 1 hours)
Bacteria, protozoa, fungi, and viruses studied from the point of view of health sciences. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 312, 312L Environmental Phys of Animals (3, 1 hours)
How animals cope with particular kinds of environment, considering the biochemical, physiological, behavioral, and ecological adaptations that allow animals to survive in those environments. Laboratory. Prerequisite: BIO 111 with a grade of "C" or higher.

BIO 314, 314L Botany (3, 1 hours)
Classification, diversity, morphology, physiology, evolution, and ecology of plants and fungi. Laboratory. Prerequisite: BIO 112.

BIO 316 Medical Terminology (3 hours)
Using learner-oriented, self-study, and programmed text, students gain skill in recognizing roots, definitions, pronunciation, spelling, and classification by body and organ system used in medical terminology.

BIO 398, 498 Seminar in Biology (1 hour)
An in-depth examination of current topics of interest in biology. Format will include discussion groups, readings of current literature, and speakers from outside the Bethel campus. Prerequisite: Approval of advisor.

BIO 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

BIO 401, 401L Ecology (3, 1 hours)
Intraspecific and interspecific interactions between organisms and their environment. Topics include biogeochemical cycles, ecological energetic, population dynamics, and community and ecosystems ecology. Laboratory. Prerequisites: BIO 111, 112.

BIO 413, 413L Topics in Biochemistry and Physiology (2-6 hours)
Intensive introduction to various interrelated sub-disciplines of biochemistry and physiology. Choice of topics includes medicinal chemistry, chemistry-nutrition and health food products, pesticides and the environment. May include laboratory. Prerequisite: CHE 201 or 312. Same as CHE 413.

BIO 415 Mammalogy (4 hours)
Mammalian morphology, classification, distribution, life histories, evolution, and ecology. Techniques of field study, methods of collection and preservation of mammals. World mammals with emphasis on mammals of North America. Laboratory. Prerequisites: BIO 111, 112.

BIO 416 Ichthyology (4 hours)
Fish morphology, physiology, development, behavior, evolution, and ecology. World fishes with emphasis on freshwater fish of the Mid-South. Laboratory. Prerequisites: BIO 111, 112.

BIO 417 Herpetology (4 hours)
Classification, distribution, life histories, techniques of field study, methods of collection and preservation of amphibians and reptiles. World reptiles and amphibians with emphasis on those found in the Southeastern United States. Laboratory. Prerequisites: BIO 111, 112.

BIO 418 Ornithology (4 hours)
Classification, distribution, life histories, techniques of field study, methods of collection and preservation of birds. World birds with emphasis on birds of Tennessee, including waterfowl and Neotropical migrants. Laboratory. Prerequisites: BIO 111, 112.

BIO 419, 419L Cell Biology (3, 1 hours)
Introduction to the major features of cells and the methods by which they are studied. Included will be structural and functional aspects of organelles, the diversity of cell types, and the major mechanisms by which cells reproduce, develop, and evolve. Laboratory. Prerequisites: BIO 304, 311.

BIO 421 Conservation Biology (4 hours)
Principles and techniques of ecological research in conservation of biological diversity at genetic, population, community, and ecosystem level. Includes discussion of public policy and individual advocacy. Laboratory. Prerequisite: BIO 112 or SCI 115.

BIO 422 Immunology and Infectious Diseases (3 hours)
Studies include innate and adaptive immune responses and their applications, immune disorders, host/pathogen interactions, epidemiology, and treatments. Infectious diseases of specific body systems are covered from the point of view of health sciences. Prerequisite: BIO 311.

BIO 430 Medical Ethics and Legal Issues (3 hours)
Medical legal ethics studies, explores and examines in detail the history of ethics, the development of a personal ethical framework, the major ethical theorists, critical analysis techniques, current legal issues, science and ethics, privacy, and the electronic medium. Prerequisite: Senior status or instructor's permission. Prerequisites: BIO 310 or 312 or permission of instructor.

BIO 460 Internship (1-12 hours)
Approved work experience in a science-oriented environment. Prerequisite: Approval of advisor and Academic Dean.

BIO 490 Special Topics (1-3 hours)

A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

BIO 495 Honors Project (4 hours)
Open to seniors by invitation only.

Business

BUS 111 Introduction to Business (3 hours)
Survey of business disciplines including economics, management, finance, accounting, marketing, and business law. Does not fulfill requirements for a major in Business Administration.

BUS 112 Personal Finance (3 hours)
An introduction course designed to enable the student to consider the factors that are involved in managing personal resources. Topics include budgeting, checking accounts, borrowing money, buying real and personal property, buying health and life insurance, and consumer information.

BUS 255 Microcomputer Applications (3 hours)
A course designed to introduce students to the world of microcomputer applications as it applies to the world of business. The concentration will be on familiarizing students with the different types of applications for businesses, both off the shelf and specialized. Same as CIS 255.

BUS 255 /2550 Microcomputer Applications (3 hours)
A course designed to introduce students to the world of microcomputer applications as it applies to the world of business. The concentration will be on familiarizing students with the different types of applications for businesses, both off the shelf and specialized.

BUS 269 Financial Planning (3 hours)
Financial planning process and its applications.

BUS 301 Principles of Management (3 hours)
Introduction to fundamentals of business management. Includes organizational behavior, operations management, human resource management, and control systems in management. Topics include TQM and quality-based management. better.

BUS 302 Principles of Marketing (3 hours)
Marketing fundamentals for business and non-profit organizations. Includes product development, promotional activities, distribution, and pricing.

BUS 304 Business Finance (3 hours)
Long-term markets, securities, financial leverage, cost of capital, and topics related to financing a business enterprise. Prerequisites: BUS 301, 302, 310 and ACT 202 with a grade of C or better.

BUS 305 Labor Economics (3 hours)
Economic factors in social organizations, economic institutions, problems of labor and industry. Unions and social and economic institutions. Problems of management and worker. Same as ECO 305.

BUS 306 Business and the Environment (3 hours)
An introduction to the economic analysis of environmental issues with consideration given to the particular "mode of production." Topics include the influence of politics and technology, the examination of environmental quality, and sustainable systems. A critique of political economy as it relates to environmental concerns will be formulated.

BUS 307 Management Information Systems (3 hours)
Organization and structure of management information systems: design and implementation of management information systems, evaluation of hardware and software requirements, and development of management information system policies.

BUS 310 Business Law I (3 hours)
Survey of the legal environment of business. The course includes constitutional law and the structure of the U.S. legal system; tort, criminal, contract, and administrative law. Topics in anti-trust law, international legal issues, consumer protection, and employment law.

BUS 311 Business Law II (3 hours)
The course includes coverage of the Uniform Commercial Code, business organizations, secured transactions, and negotiable instruments. Topics include international commercial transactions, legal obligations of corporate officers, rights of shareholders, and security interests.

BUS 313 International Business (3 hours)
Overview of the international environment of business including cultural, economic, political, and financial issues in the functional areas of business management, marketing, finance, accounting, etc. Examination of large and small businesses engaged in international business activities.

BUS 315 Consumer Behavior (3 hours)
Applications of contemporary behavioral sciences to problems of the consumer in the marketplace. Emphasis is placed on analyzing the decision-making process of the consumer as the ultimate buyer of products and services. Prerequisite: BUS 302 or permission of the instructor.

BUS 316 Organization Theory (3 hours)
An introduction to organization theory as it relates to structure, process, and change. The actual use of organizational design is introduced through case studies as well as reading and lecture. .

BUS 317 Organizational Behavior (3 hours)
This course provides conceptual understanding of various principles of management and organizational processes and the opportunity for skill-building in the areas of individual, interpersonal, and inter-group organizational behaviors. Topics covered include perception, group behavior, decision-making, motivation, leadership, and organizational design and change.

BUS 321 Managerial Accounting (3 hours)
Accounting from the professional manager's perspective; the use of management accounting as a control tool for management decisions; budgets, profit planning, cost controls, variable costing, and capital investment techniques; cash flow analyses. Prerequisites: BUS 301 and ACT 202 with a grade of C or better. Same as ACT 321.

BUS 325 Knowledge Management (3 hours)
Exploration and application of knowledge management concepts and principles. Same as CIS 325.

BUS 330 Business and Technical Writing (3 hours)
Basic writing skills applicable to business situations including proposals, feasibility studies, progress reports, statistical and research reports, technical descriptions, and manuals. Same as ENG 330. Students who earn a grade of C or better in this course are exempt from COE 401. Prerequisite: ENG 201.

BUS 339 Seminar in Entrepreneurship (3 hours)
This course provides structure for an applied entrepreneurial experience through Students in Free Enterprise (SIFE). Students apply concepts of business structure and operations to an outreach project. May be repeated for credit.

BUS 368 Fraud Examination (3 hours)
This course is designed to provide students with an in-depth look at fraud detection, prevention, investigation, management, and resolution in business environments. Same as ACT 368.

BUS 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

BUS 411 Investments (3 hours)
Investment objectives, corporate securities, securities markets, market analysis, and portfolio theory. Prerequisites: ACT 202 and ECO 211.

BUS 412 Human Resource Management (3 hours)
Advanced course in the management of human resources. Includes human resource planning, job analysis and design, legal aspects of human resource management, compensation, selection, training and development, and safety. Prerequisite: BUS 301 with a grade of C or better.

BUS 413 Business Policy and Strategy (3 hours)
Capstone course for the Business Administration major; application of material from previous courses and additional focus on strategy. Prerequisites: BUS 301, 302, 304, 307, ACT 202.

BUS 416 Marketing Research (3 hours)
An introduction to the major areas of research in marketing. Attention given to problem definition, research design, information gathering, and data analysis to assist management with the decision-making process. Prerequisite: BUS 302.

BUS 417 Business Ethics and Society (3 hours)
An introduction to basic types of ethical theories and applications to decision-making. The course identifies moral issues involved in the management of specific problem areas of business. Examines the interactions between business and the larger social/political system in which it operates. Acquaints students with the social responsibilities of business activity.

BUS 418 Production and Operations Management (3 hours)
Linear programming, queuing theory, PERT/CPM, advanced control methods, and decision theory. Prerequisite: BUS 301 with a grade of C or better.

BUS 419 Advertising and Promotion (3 hours)
Advanced concepts in advertising and promotion management. Focus on the development of the advertising campaign and its integration into the promotional effort. Prerequisite: BUS 302 with a grade of C or better.

BUS 460 Internship (1-12 hours)
Approved work experience in a business environment. Prerequisites: Consent of advisor, senior standing, major in Business Administration.

BUS 490 Special Topics (1-3 hours)
Selected topics from business will be explored in greater depths and from alternate perspectives as demanded by student/instructor interest or by changing business practices. Specific topics will vary by semester. Course may be repeated for credit. Prerequisite: Junior standing or consent of instructor.

BUS 495 Honors Project (4 hours)
Open to seniors by invitation only.

Chemistry

CHE 100, 100L Concepts in Chemistry (3, 1 hours)
Concepts of chemistry including principles of scientific investigation, the states of matter, atomic structure and bonding, shapes of molecules, and an overview of chemical reactions. Additional selected topics of current interest. Does not count toward a major in chemistry. Laboratory.

CHE 106 Introduction to Chemistry (3 hours)
Introductory chemistry. Basic principles of chemistry with applications including physical and chemical properties, structure, and reactions of matter for beginners. Grade of C or above in CHE 106, 106L required for admission to CHE 111L.

CHE 111, 111L General Chemistry I (3, 1 hours)
Fundamental principles underlying various fields of chemistry including formulas and equations, atomic and molecular structure, solutions, equilibrium, thermochemistry, kinetics, acids and bases, oxidation-reduction, and electrochemistry. Laboratory. Prerequisite: one year of high school chemistry with a minimum ACT composite score of 21 or a minimum ACT composite score of 25 for students with no previous introduction

to chemistry. Permission of the instructor may be granted in exceptional circumstances. Co-requisite: MTH 111 or exemption from MTH 111.

CHE 112, 112L General Chemistry II (3, 1 hours)
Continuation of CHE 111. Laboratory. Prerequisite: CHE 111.

CHE 121, 121L Principles of Chemistry I (3, 1 hours)
Fundamental laws of chemistry including topics such as atomic and molecular structure, stoichiometry, chemical bonding, reaction equilibria, acids and bases, kinetics and nuclear chemistry. Prerequisite or Co-requisite: MTH 111 or above. CHE 121 does not fulfull prerequisite requirements for any upper division chemistry courses.

CHE 122, 122L Principles of Chemistry II (3, 1 hours)
Basics of organic and biological chemistry including topics such as the study of functional groups, amino acids, lipids, carbohydrates, nucleic acids, enzymes and biochemical pathways. Experimental techniques in organic and biochemistry comprise the lab component. Prerequisite: CHE 111 or 121. CHE 122 does not fulfill prerequisite requirements for any upper division chemistry courses.

CHE 201, 201L Introduction to Organic and Biological Chemistry (3, 1 hours)
Introduction to organic and biochemical compounds and their reactions and synthesis; emphasis on topics related to health and modern society. Proteins, fats, carbohydrates, vitamins, and hormones included. Does not fulfill requirements for majors in natural science disciplines. Laboratory.

CHE 215, 215L Environmental Chemistry (3, 1 hours)
General knowledge of biochemical and geochemical environmental cycles and the fate of chemicals in the environment. Prerequisite: CHE 106, 106L or a higher level chemistry.

CHE 291 Introduction to Chemical Research (2-8 hours)
Laboratory-based investigation with faculty guidance to afford learning experiences beyond the curriculum. Formal laboratory notebook, laboratory reports, and weekly research group meetings and discussion with chemistry faculty. Prerequisite: CHE 111, 111L and approval of instructor. May be repeated.

CHE 311, 311L Organic Chemistry I (3, 1 hours)
Theory and description of molecular structure; properties, reactions, and synthesis of organic compounds. Laboratory. Prerequisite: Grade of C or above in CHE 112, 112L.

CHE 312, 312L Organic Chemistry II (3, 1 hours)
Continuation of CHE 311 with the introduction of qualitative organic laboratory techniques and organic unknowns. Laboratory. Prerequisite: CHE 311.

CHE 320, 320L Analytical Chemistry (3, 1 hours)
Principles of gravimetric and volumetric analysis, techniques, and procedures. Physical methods of characterization and separation. Theory and practice in instrumental methods of chemical analysis, including gas chromatography, infrared spectroscopy, nuclear magnetic resonance spectroscopy, ultraviolet spectroscopy, mass spectrometry, and Raman spectroscopy. Laboratory. Prerequisites: Completion of CHE 111, 111L, 112, 112L with a grade of C or above.

CHE 330 Survey of Physical Chemistry (3 hours)
Non-calculus based. Ideal and non-ideal gases; the first, second, and third laws of thermodynamics; thermochemistry, solutions, chemical equilibria, phase equilibria, electromotive force. Kinetics theory; chemical kinetics, irreversible processes in solution. Elementary quantum theory. Prerequisites: MTH 123, CHE 112.

CHE 391, 491 Research in Chemistry (1-2 hours)
A laboratory-based investigation of selected, original research problem, aiming toward presentation of the findings at some recognized scientific meeting or in some recognized scientific publication. Weekly research group meetings and discussions with the chemistry faculty. One to two hours each semester with a cumulative total towards the major not to exceed four hours. Laboratory. Prerequisite: 18 semester hours in chemistry, department approval.

CHE 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

CHE 401 Survey of Pharmacology (3 hours)
Basic understanding of the principles of pharmacology to include knowledge of the general history and nature of drugs; absorption, distribution, metabolism, and elimination of drugs in the body; mechanisms of drug action; major drug categories and characteristics of prototypical drugs. Prerequisite: CHE 412 or permission of instructor.

CHE 412 Biochemistry (3 hours)
Survey of biochemistry including processes occurring in living organisms, their substrates, products, and energetics. Mechanisms and significance of biochemical processes are studied. Enzymology, intermediary metabolism, macromolecules, biosynthesis, bioenergetics, homeostasis, biologically active agents. Prerequisites: CHE 201 or 311.

CHE 413, 413L Topics in Biochemistry and Physiology (2-6 hours)
Intensive introduction to various interrelated sub-disciplines of biochemistry and physiology. Choice of topics includes medicinal chemistry, chemistry-nutrition and health food products, pesticides and the environment. May include laboratory. Prerequisites: CHE 201 or 312. Same as BIO 413.

CHE 414 Topics in Analytical Chemistry (1-3 hours)
Advanced knowledge of a current area of chemistry and demonstrated ability to apply knowledge critically. Prerequisite: Grade of C or better in CHE 320.

CHE 422 Biochemistry II (3 hours)
Continuation of CHE 412 with more comprehensive study of metabolic and information pathways. Prerequisite: CHE 412.

CHE 430 Advanced Inorganic Chemistry (3 hours)
Advanced knowledge of atomic and molecular structure and bonding theories; descriptive chemistry of the elements; mechanism of inorganic reactions; application of modern techniques for characterization; and coordination and organometallic chemistry. Prerequisite: Grade of C or better in CHE 312, 312L.

CHE 460 Internship (1-12 hours)
Approved work experience in a science-oriented environment. Prerequisite: Approval of advisor and Academic Dean.

CHE 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond the courses in the curriculum. Topics for the course require approval of the Academic Dean.

CHE 495 Honors Project (4 hours)
Open to seniors by invitation only.

Computer Information Systems

CIS 100 Introduction to Computers (3 hours)
Designed for students who wish to gain knowledge of computer uses, concepts, and terminology. The role of computers in business, education, and society is highlighted. Other topics include professional ethics, standards, hardware, software, and computer occupations.

CIS 101 Introduction to Operating Systems (3 hours)
Introduction to Windows Vista operating system. Introduction to the Windows/Vista operating environment. Topics include navigating the Vista interface, file organization and management, use of the Control Panel, OneNote, and Explorer. Back-up and system restoration procedures and installation of updates and service packs are also included.

CIS 245 Web I – Intro to Web Development (3 hours)
Designed to introduce students to the process of designing and developing basic web pages using current development language and platform.

CIS 255 Microcomputer Applications (3 hours)
A course designed to introduce students to the world of microcomputer applications as it applies to the world of business. The concentration will be on familiarizing students with the different types of applications for businesses, both off the shelf and specialized. Same as BUS 255.

CIS 256 Computer Programming I (3 hours)
A modern programming language is used to introduce students to the fundamentals of computer programming. Students will analyze computing problems, design and implement solutions for these problems. Topics include language syntax and semantics, program logic and methodologies. Prerequisite: MTH 111 or higher with a grade of "C" or above. Same as CSC 256.

CIS 307 Management Information Systems (3 hours)
Organization and structure of management information systems: design and implementation of management information systems, evaluation of hardware and software requirements, and development of management information system policies. Same as BUS 307.

CIS 325 Knowledge Management (3 hours)
Exploration and application of knowledge management concepts and principles. Same as BUS 325.

CIS 326 Information Technology (3 hours)
Study of technology integration in today's work environment. This course is designed to develop a solid foundation of computer knowledge and skills in word processing, spreadsheets, multiple presentation technologies, screen recordings, interactive white board, and simple Web design.

CIS 345 Web II – Developing Web-Based Applications (3 hours)
This course will provide students with the skills to design and develop database-enabled web applications. Prerequisites: CIS 245, junior standing.

CIS 349 Computer Hardware and Small Computer Systems (3 hours)
A course designed to introduce CIS students to the world of hardware as it applies to the world of business with concentration on defining user needs, procurement, life cycle, current and future technologies for business.

CIS 356 Computer Programming II (3 hours)
A continuation of CIS 256. Practice in using object oriented and event driven programming models. Introduction to GUI programming. Prerequisite: CIS 256. Same as CSC 356.

CIS 370 Introduction to Computer Forensics (3 hours)
Introductory course to computer forensics. Topics will include various methods of gathering, processing, interpreting, and using digital evidence to provide a conclusive description of cyber crime activities suitable for inclusion in a criminal investigation. Same as CJS 370. Prerequisite: CIS 255 or permission of instructor.

CIS 382 Introduction to Systems Analysis (3 hours)
This course will introduce information systems students to the concepts and techniques used in structured systems analysis and design. This course provides a methodical approach to developing computer systems including systems planning, analysis, design, testing, implementation, and software maintenance.

CIS 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

CIS 462 Database Design and Application Development (3 hours)
This course is designed to give the student experience in designing and developing database applications suitable for business environment. The course will focus on the microcomputer environment utilizing software such as Microsoft Access. Prerequisites: CIS 255. Same as CSC 462.

CIS 475 Management of Telecommunications (3 hours)
A course designed to introduce CIS students to the world of telecommunications as it applies to the world of business. The concentration will be on defining user needs, procurement, life cycle, current and future technologies for business.

CIS 477 Management of End User Computing (3 hours)

Capstone course for the CIS Major; application of material from previous courses and additional focus on the management of end user computing. A course designed to introduce CIS students to the principles involved in managing all components involved with End User Computing including software development and maintenance. Prerequisites: CIS 245, 307, 382, 462, 475, 6 hours programming language, and 3 hours CIS course numbered 300 or above.

CIS 479 Electronic Commerce (3 hours)
This course will address electronic commerce technology and strategies and the impact e-commerce will have on the fields of information systems and organizational strategies.

CIS 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for course require approval of Academic Dean.

College Orientation Experience

COE 100 College Orientation Experience (1 hour)
Opportunity for first-year liberal arts students to learn about themselves and adjust to college life. This course sets the groundwork for meeting educational goals in academic, social, physical, emotional, and spiritual dimensions. Topics include study skills, financial aid, library orientation, college catalog and curriculum, registration overview, campus life, and social issues. Training on computers and computer software. Pass/Fail Grade.

COE 101 / 1010 College Orientation Experience (3 hours)
Opportunity for first-year students to learn about themselves and adjust to college life. This course sets the groundwork for meeting educational goals in academic, social, physical, emotional, and spiritual dimensions. Topics include study skills, financial aid, library orientation, college catalog and curriculum, registration overview, campus life, and social issues. Training on computers and computer software.

COE 401 Career Opportunity Experience (1 hour)
Opportunity to participate in actual interview processes for job/graduate school placement assistance and career contacts. Participation in seminars, workshops, and job fairs. Students who earn a grade of C or higher in BUS/ENG 330 or PSY 322 are exempt from COE 401. Students who major in Nursing or who minor in Professional Education are not required to complete this course. Prerequisite: Junior or Senior classification.

COE 401 / 4010 Career Opportunity Experience (3 hours)
This course requires participation in actual interview processes for job/graduate school placement assistance and career contacts, participation in seminars, workshops and job fairs.

Computer Science

CSC 112 Engineering Graphics (3 hours)
Introductory engineering graphics using T-squares, triangles, etc. The course moves quickly into a CAD package. Topics include orthographic projections, section drawings, auxiliary projections, dimensioning, isometric drawings and assembly drawings. Class and lab meet weekly for a total of six hours. Laboratory. Same as GRA 112.

CSC 203 PASCAL (3 hours)
Primer programming course using PASCAL. NO prior computer experience required. Laboratory.

CSC 211 Computer Assisted Design (3 hours)
This course is a continuation and amplification of CSC/GRA 112. It includes topics in descriptive geometry involving points, lines, and planes by use of the auxiliary view method. The class and lab meet weekly for a total of four hours. Laboratory. Prerequisite: CSC/GRA 112. Same as GRA 211.

CSC 242 Programming in C (3 hours)
Introduction to programming in C++. This is a course in problem solving and algorithms using the computer language C++. It emphasizes good programming habits and building abstractions with C++ functions. Use of files and printing will also be included. Laboratory.

CSC 256 Computer Programming I (3 hours)
A modern programming language is used to introduce students to the fundamentals of computer programming. Students will analyze computing problems, design and implement solutions for these problems. Topics include language syntax and semantics, program logic and methodologies. Prerequisite: MTH 111 or higher with a grade of "C" or above. Same as CIS 256.

CSC 341 FORTRAN (3 hours)
Introductory course in the computer language FORTRAN, which is the computer language for mathematics. Topics include problem solving, variable types, decisions, and loops. Laboratory. Prerequisites: CSC 203, MTH 123.

CSC 342 Numerical Methods (3 hours)
Computer solutions to mathematical problems in areas of calculus, theory of equations, and matrices. Laboratory. Prerequisites: CSC 341, MTH 321. Same as MTH 342.

CSC 343 Applications in C (3 hours)
This is a continuation of CSC 242. Emphasis will be placed on designing applications programs in C++. Topics will include creating application shells and dialog layouts using dialog boxes, static text, and radio buttons. The course includes integrating mouse controls and adding graphics to the application. Laboratory. Recommended prerequisite: CSC 242.

CSC 356 Computer Programming II (3 hours)
A continuation of CIS 256. Practice in using object oriented and event driven programming models. Introduction to GUI programming. Prerequisite: CSC 256. Same as CIS 356.

CSC 360 Data Structures and Algorithms (3 hours)
Survey of advanced data structures (including lists, trees, and networks) and the design and analysis of algorithms used with such structures. Prerequisite: CSC 343 or CIS/CSC 356 or equivalent.

CSC 462 Database Design and Application Development (3 hours)
This course is designed to give the student experience in designing and developing database applications suitable for business environment. The course will focus on the microcomputer environment utilizing software such as Microsoft Access. Prerequisites: CIS 255. Same as CIS 462.

CSC 472 Computer Hardware (3 hours)
Digital electronics and robotics including bread boarding, digital circuits, truth tables, gating, decade counters, terminology, motors, algorithms, and applications. Laboratory. Prerequisite: CSC 204.

CSC 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

CSC 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

Criminal Justice

CCJ 1000 Orientation to Online Learning in Criminal Justice (3 hours)
This course will provide students with the skills needed to succeed as online learners in criminal justice. Topics covered will include using technology, library and learning resources, and APA style.

CCJ 3000 Introduction to Criminal Justice (3 hours)
The agencies and processes involved in administering justice: the police, the prosecutor, the courts, and correctional systems. Focus is on the formal crime control process in the United States.

CCJ 3100 Ethics in Criminal Justice (3 hours)
Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective.

CCJ 3110 Professionalism in Criminal Justice (3 hours)
This hybrid course (includes a face-to-face seminar and online course work) is designed to introduce professionalism to the criminal justice practitioner, including methods and strategies for achieving and maintaining a high level of professionalism throughout a career. Students will explore recurring professional image problems faced by rank and file officers and morale and safety issues related to negative public perceptions. Students will learn strategies the individual officer can use to minimize the impact of negative perceptions. (THIS COURSE MUST BE TAKEN CONCURRENTLY WITH CCJ 3610)

CCJ 3200 Introduction to Corrections (3 hours)
The history, current practices, and future directions of corrections.

CCJ 3300 Statistics in Criminal Justice (3 hours)
Methods of analysis of statistical data frequently used in criminal justice decision-making.

CCJ 3400 Introduction to Courts (3 hours)
A look at the basic structure of the court system and court process. An up-to-date coverage highlighting several recent trends of the court system.

CCJ 3500 Introduction to Law Enforcement (3 hours)
The development of U.S. policing, stressing the relationship of police to local politics and the effects of civil service, reform movements, and technological change.

CCJ 3510 Community Policing (3 hours)
This course is an examination of community-oriented policing and problem solving (COPPS) in the context of ever-changing police departments and communities. Students will be introduced to the philosophy of community policing and problem solving in the United States and will develop an understanding of the processes involved in implementing COPPS in a law enforcement agency. Students will examine the evolution of community policing, the implementation of COPPS, and methods of evaluating COPPS initiatives.

CCJ 3600 Police Administration (3 hours)
An organizational management and systems approach to the study of police administration. Emphasizes the administration of various police functions, organizational structures, resources management, operational techniques, professional ethics, and leadership principles and their implications for generalized and specialized units.

CCJ 3610 Professional Leadership in Criminal Justice (3 hours)
This hybrid course (includes a face-to-face seminar and online course work) is designed to introduce professional leadership to the criminal justice leader, including methods and strategies for achieving and maintaining it throughout an agency. Students will study recurring issues with public perception and community relations experienced by criminal justice administrators and explore strategies to minimize the impact of negative perceptions held by the public, employees and political/community leaders. (THIS COURSE MUST BE TAKEN CONCURRENTLY WITH CCJ 3110)

CCJ 3700 Criminal Procedure I (3 hours)
Constitutional aspects of criminal procedures, including investigations, arrests, search and seizures, and pre-trial processes.

CCJ 3800 Forensic Science (3 hours)
Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic document examination, crime scene kits, and forensic microscopy.

CCJ 3900 Criminal Procedure II (3 hours)
Constitutional aspects of criminal procedures, including trial rights, sentencing, and appeals. A continuation of Criminal Procedure I.

CCJ 4100 Criminological Theory (3 hours)
The major theoretical explanations for crime and delinquency.

CCJ 4110 Drugs & Crime (3 hours)
Explores the topic of drug use and abuse in contemporary life from a sociological and psychological perspective, with particular attention to the implications of drug taking behavior on society in general and the criminal justice system in particular.

CCJ 4200 Comparative Justice (3 hours)
A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems.

CCJ 4300 Juvenile Justice (3 hours)
Theoretical foundations of delinquency causation. Historical tracing of the American juvenile justice system including the juvenile court and its jurisdiction. Police interaction with juveniles; treatment and correctional strategies for young offenders. Examination of prevention and treatment approaches.

CCJ 4400 Community Corrections (3 hours)
Focus is on probation, parole and other intermediate sanctions and community treatment options. Each is examined from both punishment and treatment model perspectives.

CCJ 4500 Victimology (3 hours)
Theories and history shaping the bio-psycho-social and environmental characteristics of crime and violent victimization are examined with emphasis on their intersection with issues of race, gender, class, ethnicity, and sexual orientation.

CCJ 4600 Crisis Management (3 hours)
This course develops managerial skills in crisis avoidance, management, and recovery.

CCJ 4900 Practicum/Internship in Criminal Justice (3hours)
A program for criminal justice students to observe, learn and participate in the daily functions and procedures of a specific criminal justice agency and gain a further understanding of the American criminal justice system and the relevant legal, theoretical, and public policy issues. This course will enable students to apply classroom knowledge to the work environment and better prepare them to advance their career in the criminal justice field upon graduation.

CJS 210 Introduction to Criminal Justice Studies (3 hours)
This course is designed to provide students with an introductory experience in the study of criminal justice. The course will provide a survey of related topics to include: the nature of crime, law and criminal justice, policing and law enforcement, the courts, and corrections.

CJS 360 History of Crimes/Criminality (3 hours)
The criminal justice system in the United States and England is the product of several centuries of uneven change and development. This course traces the emergence of the modern system of criminal justice in the United States via a sustained comparison between the U.S. and British systems. Particular emphasis is placed on the way legal tradition, popular morality, professionalization, and social change affected understandings of crime, criminality, and punishment in American and English history since the seventeenth century. Prerequisite: One 200 level history course with a grade of "C" or above. Same as HIS 360.

CJS 370 Introduction to Computer Forensics (3 hours)
Introductory course to computer forensics. Topics will include various methods of gathering, processing, interpreting, and using digital evidence to provide a conclusive description of cyber crime activities suitable for inclusion in a criminal investigation. Same as CIS 370. Prerequisite: CIS 255 or permission of instructor.

CJS 380 Criminal Procedure (3 hours)
The development of Constitutional and procedural controls on the administration of justice. A study of criminal due process rights from commission of a crime to post-conviction relief with emphasis on controlling Supreme Court decisions. Prerequisites: CJS 210, junior class standing.

CJS 400 Criminal Law (3 hours)
Theories and principles of the body of substantive criminal law. Covers the elements of the range of criminal offenses from violations to capital felonies. Prerequisites: CJS 210, junior class standing.

CJS 410 Criminal Evidence (3 hours)
Study of the presentation of proof in criminal trials. Designed to develop an understanding of the admissibility of testimonial, scientific, and demonstrative evidence in criminal trials including coverage of the Federal Rules of Evidence. Prerequisite: CJS 210, junior class standing.

Developmental

DEP 020 Pre-Algebra (3 hours)
Elementary mathematics concepts including whole numbers, fractions, mixed numbers, decimals, and percentages; algebraic concepts including polynomials, exponents, and irrational numbers; operations and application of these topics. Hours completed do not count toward graduation requirements. Grade of C or better is required before proceeding to MTH 021.

DEP 030 Reading Basics (3 hours)
Pre-threshold course in reading. Assessment of individual reading skills with a specific individual program to enhance reading level. Study of techniques for skimming, speed reading, developing accurate comprehension, and individualized time reading processes. A grade of C or better is required before proceeding to ENG 111. Hours completed do not count toward graduation requirement.

DEP 050 Academic Success Skills (1 hour)
Required of all students on Academic Probation. Pass/fail grade only. Hour completed does not count toward graduation requirement.

Exceptional Learning & Development

ELD 314. Survey of Children with Exceptionalities (3 hours)
An introductory study of emotional, learning, and behavioral characteristics of children with exceptionalities, including programs, services, legal requirements, and instructional techniques.

ELD 424. Characteristics and Needs of Giftedness (3 hours)
In depth study of the characteristics and needs of children with exceptional talents and abilities. Twice exceptional students. Identification process. Trends and issues. Prerequisite: ELD 314

ELD 425. Curriculum and Instruction for Giftedness (3 hours)
Designing effective curriculum and instruction across a variety of educational environments for students with exceptional abilities. In depth study of creativity. Prerequisite: ELD 314

ELD 426. Characteristics and Needs of Children with Exceptionalities (3 hours)
In depth study of the characteristics and needs of children with cognitive, emotional, behavioral and learning disorders. Prerequisite: ELD 314

ELD 427. Positive Behavior Intervention (3 hours)
Systems for identifying behaviors that interfere with successful education. Referral, assessment, development and implementation of intervention plans. Social skills instruction, applied behavior analysis, family supports and medical referrals. Prerequisite: ELD 314

ELD 437. Procedural Law (3 hours)
Historical development of special education in the United States through legislation and litigation. Emphasis placed on implementation of key legislative aspects in public school settings, teacher responsibilities to students/parents. Development of skills in writing IEPs and other required documents for special educators. Referral to placement process. Individual assessments. Prerequisite: ELD 314

ELD 438. Differentiated Instruction (3 hours)
Curriculum and performance modification with environmental and organizational accommodations for accessing and progressing in the general education curriculum, K-12. Effective consultation and collaboration. Use of assistive technologies and universal design. Prereq: ELD 314

ELD 443. Professional Student Teaching Semester (K-12) (12 hours)
Review and application of planning, effective teaching strategies, and evaluation techniques in student teaching practice. Processing of experiences and observations. Emphasis on media usage, K-12 curricular patterns, multi-

cultural consideration, current issues. Minimum of 15 weeks in full-day classroom teaching in off-campus centers. No other course may be taken during the student teaching semester. Journal, documentary log, lesson plans, teaching materials, State of Tennessee Comprehensive Assessment. To be taken by candidates seeking licensure in K-12 programs. Prerequisite: Acceptance to the Teacher Education Program II. (Must achieve a grade of "C" or better to be eligible for graduation/teacher licensure.)

ELD 490. Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Director of the College of Education.

ELD 499. Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Director of College of Education.

Education

EDU 210. Foundations of Education (3 hours)
Historical, philosophical and societal foundations of American education. Exploration of the nature of schooling in a democratic society and the relationship of the school with non-school educational agencies. Special emphasis on Multicultural Education and cultural foundations to develop knowledge, self-awareness, and skills/competencies for effective teaching in a pluralistic society.

EDU 215. Problem Solving in Elementary Math (3 hours)
Estimation, basic facts and algorithms, algebraic and trigonometric concepts, measurement, geometry, probability and statistics, patterns and functions. Investigations, connections to other subjects, and technology utilization that promote age-appropriate conceptual understanding and mathematical reasoning. Math content taught in this course will be consistent with the Content and Process Standards of the National Council of Teachers of Mathematics and Tennessee State Curriculum Standards for Grades K-6. Prerequisite: EDU 212.

EDU 221. Field Experience I (1 hour)
Observation and limited classroom activities in an assigned K-12 setting. Examination of various foundational influences in practice. Twenty clock hours of documented observation, journal, and seminars. Prerequisite: EDU 210 with a grade of C or above.

EDU 313. Classroom Management (3 hours)
A study of skills and techniques for effective classroom management. Emphasis on theory, professionalism, ethics, and student rapport. Includes a twenty clock hour practicum of documented observations in an assigned K-12 setting in the discipline of the major. Prerequisites: EDU 210 with a grade of "C" or above and acceptance to the Teacher Education Program I.

EDU 321. Field Experience II (1 hour)
Observation and limited classroom activities in an assigned K-12 setting. Examination of various foundational influences in practice. Twenty clock hours of documented observation, journal, and seminars. Prerequisite: Admission to the Teacher Education Program (TEP). Co-requisite: EDU 335.

EDU 323. Educational Psychology (3 hours)
This course is an introduction to the psychology of learning, and of motivational and social development. Focus is on the development of learning theory, the physiological and environmental factors that influence learning and the validity of various learning paradigms. This course is designed for future teachers to make application of psychology to learning processes and theories. During this course students will review individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. Other topics of interest will include: psychological problems involved in the education and the practical application of psychological principles of teaching. Special emphasis is on measurement, the nature of learning, and the environmental influences of behavior will be given. Prerequisite: Admission to the Teacher Education Program I.

EDU 334. Assessment (3 hours)
Study of the design, administration, scoring, interpretation, and statistical analysis of teacher-made, norm-based, criterion-referenced, curriculum-based, and authentic performance-based assessment. Tennessee Value Added Assessment System (TVAAS) data analysis. Developmental and academic screening, assessment, diagnosis, and planning for students with specific instructional and psycho linguistic deficits. Simulation exercises

in multidisciplinary team/planning, writing, and developing individual education plans, testing accommodations and modifications. Introduction to a variety of assessment instruments. Application in simulated case studies. Prerequisite: MTH 111 or EDU 215, TEP I.

EDU 335. Curriculum, Instruction and Assessment (3 hours)
Lesson and unit planning aligned with Tennessee Curriculum Framework and Interstate New Teacher Assessment and Support Consortium (INTASC) Standards. Techniques and methods of teaching: Micro-teaching with peers. Study of teacher-made, norm-based, criterion-referenced, curriculum-based, and authentic performance-based assessment, K-12 curriculum patterns. Study of current topics in curriculum, instruction, and assessment including students with exceptionalities and students who are English language learners and includes observation and limited classroom activities in an assigned K-12 setting. Instruction and practice in writing behavioral descriptions. Twenty clock hours of documented observation, journal, and seminars. Prerequisite: EDU 210.

EDU 400*. Teaching Science in Secondary Schools (3 hours)
Curriculum planning, teaching and evaluation practices for grades 7-12 science; emphasis on characteristics and needs of all secondary students, including students diverse in race/ethnicity, language, or special needs, through a variety of instructional techniques, including reading and mathematics skills in the content area. Unit and lesson development using Tennessee and national standards; micro-teaching. Prerequisites: TEP I, EDU 335.

EDU 403*. Teaching English in Secondary Schools (3 hours)
Curriculum planning, teaching and evaluation practices for grades 7-12 English; emphasis on characteristics and needs of all secondary students, including students diverse in race/ethnicity, language, or special needs, through a variety of instructional techniques, including reading and mathematics skills in the content area. Unit and lesson development using Tennessee and national standards; micro-teaching. Prerequisites: TEP I, EDU 335.

EDU 405*. Teaching Social Studies in Secondary Schools (3 hours)
Curriculum planning, teaching and evaluation practices for grades 7-12 social studies; emphasis on characteristics and needs of all secondary students, including students diverse in race/ethnicity, language, or special

needs, through a variety of instructional techniques, including reading and mathematics skills in the content area. Unit and lesson development using Tennessee and national standards; micro-teaching. Prerequisites: TEP I, EDU 335.

EDU 406*. Teaching Math in Secondary Schools (3 hours)
Curriculum planning, teaching and evaluation practices for grades 7-12 mathematics; emphasis on characteristics and needs of all secondary students, including students diverse in race/ethnicity, language, or special needs, through a variety of instructional techniques, including reading and mathematics skills in the content area. Unit and lesson development using Tennessee and national standards; micro-teaching. Prerequisites: TEP I, EDU 335.

EDU 408*. Teaching Physical Education (K-12) (3 hours)
Curriculum planning, teaching, and evaluation practices for grades K-12 physical education; emphasis on characteristics and needs for all students, including diversity in race/ethnicity, language, or special needs, through a variety of instructional techniques, including reading and mathematics skills in the content area. Unit and lesson development using Tennessee and national standards; micro-teaching. Prerequisite: TEP I, EDU 335.

EDU 412. Teaching Language Arts and Social Studies in Elementary Schools (3 hours)
Effective teaching strategies, content, and materials for teaching language arts and social studies in elementary school. Integration of language arts and social studies content across subject areas. Emphasis on cultural diversity. Unit and lesson development; micro-teaching. Prerequisites: EDU 335 and acceptance to the Teacher Education Program I.

EDU 413. Teaching Math and Science in Elementary Schools (3 hours)
Effective teaching strategies, materials, and content of mathematics and science in elementary schools. Integration of basic content and effective strategies across the curriculum. Knowledge of NCTM standards. Emphasis on cultural diversity. Unit and less development; microteaching. Prerequisites: EDU 335 and acceptance to the Teacher Education Program I.

EDU 414. Teaching Reading in Elementary Schools (3 hours)
Research-based instructional strategies aligned with the Tennessee Curriculum Framework, International Reading Association (IRA) Standards and

INTASC Standards. In-depth study of hierarchy of reading skills, including phonemic, syntactic, semantic and contextual analysis. Emphasis on teaching students with ethnic, cultural, and language diversity, students with exceptionalities, and students who are English Language Learners. Reading across the curriculum. Interdisciplinary theme unit and micro-teaching applications required. Prerequisites: EDU 335 and acceptance to the Teacher Education Program I. Co-requisite: EDU 417

EDU 417* Reading Diagnosis and Remediation (3 hours)
Development and application of techniques in diagnosis and remediating reading problems in students of all ages. Familiarity with appropriate assessment instruments. Differentiated instructional strategies. Strategies for teaching students who are English language learners. Clinical practice with children who demonstrate deficiencies in reading skills. Prerequisite: TEP I, EDU 335. Co-requisite: EDU 414.

EDU 421 Legal & Ethical Issues (3 hours)
This course is designed to increase the understanding of the various legal and ethical requirements for prospective educators. Students will learn about issues that include due process, discrimination, teachers' rights, students' rights and privacy, parental rights, teacher contracts, religious freedom, freedom of association, academic freedom, copyright laws, legal framework, child abuse, liability and slander issues. Prerequisites: EDU 335 and acceptance to the Teacher Education Program I.

EDU 444 Professional Student Teaching Semester (Elementary) (12 Hours)

EDU 445 Professional Student Teaching Semester (Secondary) (12 Hours)

EDU 446 Professional Student Teaching Semester (K-12) (12 Hours)
Review and application of planning, effective teaching strategies, and evaluation techniques in student teaching practice. Processing of experiences and observations. Emphasis on media usage, K-12 curricular patterns, multicultural consideration, current issues. Minimum of 15 weeks in full-day classroom teaching in off-campus centers. No other course may be taken during the student teaching semester. Journal, documentary log, lesson plans, teaching materials, State of Tennessee Comprehensive Assessment. To be taken by candidates seeking licensure in K-6, 7-12, or K-12 programs. Prerequisite: Acceptance to the Teacher Education Program II.

(Must achieve a grade of "C" or better to be eligible for graduation/teacher licensure.)

EDU 490* Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Director of the College of Education.

EDU 495* Honors Project (4 hours)
Open to seniors who have passed TEP I by invitation only.

EDU 399, 499* Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Director of the College of Education, TEP I.

** Most Education courses numbered 400 or higher require approval of the Teacher Education Committee before admission to the curriculum. Consult advisor for exceptions.*

Economics

ECO 211 Principles of Macroeconomics (3 hours)
Macroeconomics; national income, gross national product, economic growth, consumption, savings, investments, cycles, and current problems.

ECO 212 Principles of Microeconomics (3 hours)
Microeconomics; market system, price theory costs, marginal theory, and the market mechanism.

ECO 301 Economic History and Theory (3 hours)
Economic development of the Atlantic community from the 16th century. Commercial revolution, economic origins and consequences of colonization; Industrial Revolution; emphasis on Anglo-American development. Analysis of major economic theories that accompanied modern economic development. Same as HIS 301.

ECO 305 Labor Economics (3 hours)
Economic factors in social organizations, economic institutions, problems of labor and industry. Unions as social and economic institutions. Problems of management and worker. Same as BUS 305.

ECO 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

ECO 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

English

ENG 010 Writing Basics (3 hours)
Pre-threshold course in writing. Basics of sentence structure and paragraph composition with emphasis on skill development. Focus on writing sentences and personal experience paragraphs. A grade of C or better is required before proceeding to ENG 101. Hours completed do not count toward graduation requirement.

ENG 015/016 ESL Skills Workshop I, II (3 hours)
Provides instruction on the basic ESL skills of reading, writing, speaking, and listening. Vocabulary building and cultural issues also are addressed. Prerequisite: TOEFL score of 99 or below on file or permission of instructor. ENG 016 is not required for students obtaining a grade of A or B in ENG 015.

ENG 015 ESL Skills Workshop I (3 hours)
Provides instruction on the basic ESL skills of reading, writing, speaking, and listening. Vocabulary building and cultural issues also are addressed. Prerequisite: TOEFL score of 99 or below on file or permission of instructor.

ENG 016 ESL Skills Workshop II (3 hours)
Provides instruction on the basic ESL skills of reading, writing, speaking, and listening. Vocabulary building and cultural issues also are addressed. Prerequisite: TOEFL score of 99 or below on file or permission of instructor.

ENG 101 / 1010 Expository Writing (3 hours)
Threshold course in writing. Pre-writing, writing, and revising paragraphs, essays, and documented papers. Reading, discussing, and analyzing rhetorical models. A grade of C or better is required before proceeding to ENG 111. Prerequisites: A grade of C or better in ENG 010 or a minimum ACT sub score of 18 in English or permission of the instructor.

ENG 101 / 1010 English Composition I (3 hours)
Threshold course in writing. Pre-writing, writing, and revising paragraphs, essays, and documented papers. Reading, discussing, and analyzing rhetorical models. A grade of C or better is required before proceeding to ENG 1020.

ENG 102 / 1020 English Composition II (3 hours)
This course continues English Composition I by extending students' skills in communicating the results of research and analysis across a variety of disciplines. Students will develop a documented essay and longer research paper. The course emphasizes critical thinking, critical reading and the writing process.

ENG 111 / 1110 Writing about Literature (3 hours)
Reading, analyzing, and writing about a variety of literary genres including poetry, drama, the short story, and the novel. Research paper required. Prerequisite: ENG 101 or exemption.

ENG 131A-431A Bethel Beacon (1 hour)
Reporting, writing, editing, and layout work for the "Bethel Beacon" newspaper. May be repeated for credit. Pass/Fail grade only. Class standing at enrollment determines level.

ENG 201 Western Literature and the Arts I (3 hours)
Team-taught introduction to the elements of literature, painting, and music through lectures and workshops, followed by a survey of these arts in the Classical and Medieval periods of Western history, with attention to the philosophical climate of each period. Prerequisite: ENG 111.

ENG 202 Western Literature and the Arts II (3 hours)
Team-taught historic survey of arts of the Renaissance, Baroque, Neoclassic, Romantic, Realistic, and Modern periods, including literature, painting, sculpture, music, and film, presented as interrelated manifestations of human creativity. Prerequisite: ENG 111.

ENG 301 The English Language (3 hours)
Origin, development, and current status of the English language, including phonology, morphology, etymology, semantics, and structural & transformational grammar. Emphasis upon the history of the language, dialects, sentence structure, and standard usage. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 305 Child and Adolescent Literature (3 hours)
Survey and analysis of nursery rhymes, contemporary children's books, adolescent literature, and cross-cultural works. Study of oral interpretation and illustration. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 311 American Literature I (3 hours)
Analysis of the major literary movements, authors, and genres that shaped American literature from its beginnings to 1865. Includes Colonial, Revolutionary, and Romantic periods. Prerequisite: HON 201 or ENG 201 or Eng 202.

ENG 312 American Literature II (3 hours)
Analysis of the major literary movements, authors, and genres that shaped American literature from 1865 to 1945. Includes Realist, Naturalist, Regionalist, and Modernist periods. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 313: American Literature III (3 hours)
Analysis of the major literary movements, authors, and genres that shaped American literature from 1945 to the present. Includes the study of postmodernist, contemporary, and ethnic literature. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 315 Playwriting (3 hours)
Instruction in storytelling skills for writers using script format. Topics include various script forms, the basic components of scripts, and their implementation into dramatic format. Prerequisites: SAT 116, ENG 101, ENG 111. Same as SAT 315.

ENG 321 Shakespeare (3 hours)
Major tragedies, comedies, and histories, as well as selected narrative poetry and sonnets. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 322 Introduction to Poetry (3 hours)
Study of poetry as a literary genre with special attention to forms, techniques, and examples from the ancient to the contemporary. Prerequisite: ENG 201 or 202.

ENG 324 Introduction to Fiction (3 hours)
Study of prose fiction as a literary genre with special attention to forms, techniques, and examples from the classic to the contemporary. Prerequisite: ENG 201 or 202.

ENG 330 Business and Technical Writing (3 hours)
Basic writing skills applicable to business situations including proposals, feasibility studies, progress reports, statistical and research reports; technical descriptions, and manuals. Students who earn a grade of "C" or higher are exempt from COE 401. Prerequisite: HON 201 or ENG 201 or ENG 202. Same as BUS 330.

ENG 334 Writing Non-Fiction (3 hours)
Emphasizes revision and editing of non-fiction, especially in the personal essay, journalistic forms, and the book review. Freelance submission encouraged. Extensive use of computers both for editing and to facilitate peer response. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 337 Writing Fiction (3 hours)
Writing instruction in the short story, using various models for generating, drafting, and revising prose fiction. Prerequisite: ENG 111 or permission of instructor.

ENG 338 Writing Poetry (3 hours)
Writing instruction in poetry using various models for generating, drafting, and revising original poems. Prerequisite: ENG 111 or permission of instructor.

ENG 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum.

ENG 421 British Literature to 1700 (3 hours)
Works of outstanding British writers before the eighteenth century. Chaucer, Spenser, Milton included. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 422 British Literature 1700-1830 (3 hours)
Surveys Neo-Classical and Romantic periods including works by Pope, Swift, and the major Romantic poets. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 423 British Literature 1830-1901 (3 hours)
Survey of the fiction, non-fiction, and poetry of the period with emphasis on major figures such as Dickens, Elliot, Hardy, Tennyson, Browning, and Carlyle. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 424 British Literature 1901 to Present (3 hours)
Survey of the fiction, poetry, and drama of the period with emphasis on major figures such as Yeats, Woolf, Joyce, Thomas, and Beckett. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 460 Internship (1-12 hours)
Approved work experience requiring good use of the English language. Prerequisites: 15 hours of English/writing courses, advisor approval, and junior standing. Group liability insurance required.

ENG 470 Exploring the Plays of Shakespeare (3 hours)
Emphasizes the role Shakespeare played in drama and world literature. The course covers five plays (two comedies, two tragedies, and a history play). Students will evaluate how Shakespeare's plays transcend time and culture and will examine universal themes that dominate his work. Students will examine how Shakespeare's work has been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

ENG 471 Jane Austen (3 hours)
Emphasizes the role Jane Austen played as one of the first novelists. This course covers five of the six novels Austen published during her lifetime. Students will examine how Austen's novels are considered novels of manners and will explore how Austen's themes and characters still resonate with modern readers. Students will examine how Austen's work has been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

ENG 472 / 4720 Tennessee Williams (3 hours)
Emphasizes the role Tennessee Williams' drama played in American literature, theater, and film. The course covers five of Williams' most successful plays. Students will explore several of Williams' themes and characters and

will evaluate how Williams helped to shape not only American literature but Southern literature. Students will examine how Williams' work has been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

ENG 490 Special Topics (3 hours)
Possible topics include film study, the novel, journalism or other advanced writing, ethnic/regional literature, foreign literatures in translation. Prerequisite: HON 201 or ENG 201 or ENG 202.

ENG 495 Honors Project (4 hours)
Open to seniors by invitation only.

ENG 498 Senior Thesis (3 hours)
Writing a thesis on a topic related to the major or minor. Must be approved by both the academic advisor and the major or minor professor who supervises the thesis. Prerequisites: the student must be a senior English major with at least a 3.0 GPA in the major (and minor if thesis is on a topic in the minor); approval of both the academic advisor and supervising professor.

Geography

GEO 211 Introduction to Geography (3 hours)
Basic elements of physical geography; geography and man; analytical study of selected regions with emphasis on economic development.

Graphics

GRA 112 Engineering Graphics (3 hours)
Introductory engineering graphics using T-squares, triangles, etc. The course moves quickly into a CAD package. Topics include orthographic projections, section drawings, auxiliary projections, dimensioning, isometric drawings and assembly drawings. Class and lab meet weekly for a total of six hours. Laboratory. Same as CSC 112.

GRA 211 Computer Assisted Design (3 hours)
This course is a continuation and amplification of CSC/GRA 112. It includes topics in descriptive geometry involving points, lines, and planes by use of the auxiliary view method. The class and lab meet weekly for a total of four hours. Laboratory. Prerequisite: CSC/GRA 112. Same as CSC 211.

Health

HEA 113 Drug Education (3 hours)
Physiochemical effects of drugs and alcohol on the nervous system; use and abuse; habilitation and addiction. Social, economic, and legal aspects of drug and alcohol use are compared and contrasted. This course may substitute for HUS 203 but may not be taken for credit in addition to HUS 203.

HEA 201 Personal Health (3 hours)
Modern knowledge and developments in personal health which reflect fundamental biological facts and the psychological aspects of human behavior as they affect the health conduct of the individual. Emphasis is placed on one's self-responsibility for wellness in regard to areas such as stress, disease, sexuality, alcohol, and drugs.

HEA 211 Nutrition (3 hours)
Basic foundation concerning the combination of processes involved in food intake and utilization in relation to functional maintenance, growth, and renewal of body functions and exercise.

HEA 310 Stress Management (3 hours)
A study of stress and other related health topics and their effects upon human behavior. Examines stress, its effects, and how to deal with it from a conceptual and application basis. Related topics include job-related stress and burnout, smoking, obesity, hypertension, headaches, insomnia, type-A behavior, gastrointestinal disorders, cancer, and diabetes.

HEA 312 First Aid, Responding to Emergencies (2 hours)
Provides the citizen responder with the knowledge and skills necessary to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional help arrives. Meets the requirements for American Red Cross Certification and Adult CPR.

HEA 314 The School Health Program (3 hours)
School health curriculum. Health agencies, service standards, regulations, trends, and issues which influence school health policies. Recognizing and dealing with emotional distress, physical and sexual abuse, communicable diseases, and substance abuse. Appropriate health appraisal procedures and referrals. Safety in disaster and medical procedures for students who are medically fragile. Pupil, parent, teacher, and administrative responsibilities in making student health need a cooperative enterprise.

HEA 316 Positive Psychology (3 hours)
A scientific study of the promotion of psychological well-being. Topics will include: happiness, strengths and virtues, coping, resilience, intrinsic motivation, flow, spirituality and religiosity, interventions for well-being, psychoneuroimmunology, optimism, creativity, wisdom, and authenticity. Personal application exercises are required. Same as PSY 316. Prerequisite: PSY 111.

HEA 320 Human Anatomy (3 hours)
This course will focus on the structure of the systems of the human body, emphasizing those systems with direct and major roles in exercise performance, namely the muscular, skeletal, nervous, endocrine, cardiovascular, and respiratory systems. Same as PED 320. Prerequisite: BIO 200.

HEA 330 Prevention and Care of Athletic Injuries (3 hours)
Development of a basic understanding of the prevention, immediate care, treatment, and rehabilitation of athletic injuries. Taping lab included. Prerequisite: HEA 312 or BIO 309.

HEA 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

HEA 460 Internship (1-12 hours)
Approved work experience in a health environment. Prerequisite: Consent of advisor and Academic Dean. Group health insurance required.

HEA 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

HEA 495 Honors Project (4 hours)
Open to seniors by invitation only.

History

HIS 201 Human Culture I (3 hours)
World societies to 1500; nature of culture, origins of civilization, development and decline of civilizations, origins of the modern world.

HIS 205 Africa and the Americas (3 hours)
This course investigates Africa pre-contact, the development of slavery in the Caribbean, United States, South America, and Central America as well as its lasting impact into the 20th century on both Africa and the places where enslaved Africans were transplanted.

HIS 210 The United States Experience (3 hours)
This course is a comprehensive examination of American history from colonial settlements through the present day. Within this broad spectrum, students will learn the historical context for the Revolution and Constitution, the rise of market and middle-class culture, the background of the Civil War, the industrial era, war and depression in the 20th century, the Cold War, and American social and cultural changes from the 1950's to the 1970's.

HIS 211 / 2110 History of the United States I (3 hours)
Survey of United States history to 1860; Colonial origins, colonial development, independence and revolution, evolution of American democracy and the seeds of disunion.

HIS 212 / 2120 History of the United States II (3 hours)
Survey of United States history since 1860: Civil War and Reconstruction, emergence of the U.S. as a world power, the quest for social and economic justice, economic growth and problems, the dilemma of leadership.

HIS 215 Europe and the World (3 hours)
This course offers a survey of important themes and events in European and world history since the eighteenth century including: the modernization of Europe, the growth of European hegemony, patterns of uneven modernization in the non-Western world, the causes and impact of the First and Second World Wars, the Cold War in both Europe and the non-Western world, problems and developments in contemporary Europe, problems and developments in the contemporary non-Western world.

HIS/POL/SGS 220 Foundations in Democracy (3 hours)
There is a resurgence of interest in politics and government across America. Join us as we explore the nation's capital and learn about the country's history, the intrigue of politics, and international relations. Students will gain a working understanding of leadership and democracy, which is fundamental whether choosing to be a well-informed citizen or pursue a career in public service.

HIS 301 Economic History and Theory (3 hours)
Economic development of the Atlantic community from the 16th century. Commercial revolution, economic origins and consequences of colonization; Industrial Revolution; emphasis on Anglo-American development. Analysis of major economic theories that accompanied modern economic development. Same as ECO 301.

HIS 330 America in the 1960's: The Age of Rebellion (3 hours)
This course is a comprehensive look at the 1960's as the decade of rebellion against mainstream American culture and the social exclusion of people based on class, race, and gender. Topics will include: the Civil Rights Movement, the women's movement, political turmoil, forms of rebellion against middle-class norms, and the upheaval created by the American involvement in Vietnam. Prerequisite: One 200 level history course with a grade of "C" or above.

HIS 331 Vietnam: America's Longest War (3 hours)
This course is a comprehensive look at the Vietnam conflict. The class will evaluate the context and justification for American involvement in Vietnam and, more importantly, investigate how the war became both a Cold War stalemate and domestic controversy. Topics within the class will include: the erosion of American support, the growth of the anti-war movement, the military experience of soldiers, the civilian hardships of the war, and the American withdrawal.

HIS 340 World War II and the Holocaust (3 hours)
This course takes a close look at the world historical events of 1939-1945 by examining the causes, course, and consequences of World War II and the Holocaust. The focus is not only on battlefield events and the path to the Allied victory but also on the racial and ideological thinking of the World War II era. The class will also encourage students to consider the moral and ethical decisions made in times of war. Prerequisite: One 200 level history course with a grade of "C" or above.

HIS 350 Old South, Sectionalism, Civil War (3 hours)
This course is a comprehensive look at the Old South as a distinctive region, the sectional controversy, and the nation's bloodiest war. Within these general topics, more focused topics will include: the establishment of planter elites, slavery as both an economic and social system, the culture and social structure within the slave community, the growth of abolitionism, the path to secession, and the major battle campaigns and human experience of the Civil War. Prerequisite: One 200 level history course with a grade of "C" or above.

HIS 360 History of Crimes/Criminality (3 hours)
The criminal justice system in the United States and England is the product of several centuries of uneven change and development. This course traces the emergence of the modern system of criminal justice in the United States via a sustained comparison between the U.S. and British systems. Particular emphasis is placed on the way legal tradition, popular morality, professionalization, and social change affected understandings of crime, criminality, and punishment in American and English history since the seventeenth century. Prerequisite: One 200 level history course with a grade of "C" or above. Same as CJS 360.

HIS 370 African American History Survey (3 hours)
This course introduces students to the narrative of African American history beginning with the African slave trade and tracing the African American experience to the present day. The class deals with such topics as the making of American slavery, African American resistance, African American participation in American armed conflicts, and African American art and culture. Prerequisite: One 200-level history course with a grade of "C" or above.

HIS 380 Caribbean History Survey (3 hours)
This course introduces students to the historical narrative of the Caribbean. The course explores the British Caribbean, Spanish Caribbean, and French Caribbean as well as relations between colonial powers and the Caribs that made these islands their homes before European arrival. The course spans from European contact through the twentieth century. Prerequisite: One 200-level history course with a grade of "C" or above.

HIS 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

HIS 402 Modern Europe II (3 hours)
This course examines the history of Western Europe—primarily Great Britain, France, and the Germanic lands—from the time of the French Revolution to the conclusion of World War I. Prominent themes covered include processes of modernization, political and social change, intellectual and cultural life, and the changing roles of women and men in European history. Prerequisite: One 200 level history course with a grade of "C" or above.

HIS 415 20th Century American Pop Culture (3 hours)
This course explores the 20th century American historical narrative through television, film, music, and written media such as cartoons and magazines. The course offers both an introduction to interpreting these sources and explores how these sources can deepen our understanding of the past. Prerequisite: One 200 level HIS course with a grade of "C" or above.

HIS 420 Modern Imperialism (3 hours)
This course surveys the imperial exploits of Great Britain and the United States from the late nineteenth century to the present in order to understand the causes, characteristics, and effects of modern imperialism. We will examine economic, cultural, and geopolitical motives for territorial expansion, effects of imperialism on both the colonized and the colonizer, decolonization, and the neo-colonial legacies that shape the contemporary world. Prerequisite: One 200 level history course with a grade of "C" or above.

HIS 430 America in the Gilded Age and Progressive Era (3 hours)
This course explores the Gilded Age and Progressive Era in American history from around 1880-1920. The course addresses American immigration, industrialism, the development of the West, race relations, and America's new international presence.

HIS 440/4400 African-American History I (3 hours)
This course explores the African American experience from their first arrival in the British colonies in 1619 through the abolition of slavery following the Civil War in 1865. The class examines a wide variety of topics including the evolution of the institution of slavery, the slave trade, African and African American resistance, the critics of slavery, and the free black population among others. The course combines discussion and primary source analysis to offer students both a narrative of the past as well as the opportunity to draw their own conclusions about the topics discussed.

HIS 441 Civil War (3 hours)
The Civil War is often called the Second American Revolution; as much as the first, it formed and shaped the country. A subtitle of this course might be "The Civil War in Blood and Memory"; we will consider how the real war came and how it was fought, and then how Americans have interpreted it since. Did slavery alone cause the war? What was the war ABOUT? And what was the experience of war and battle for the millions who fought? And for the political and military commanders whose decisions shaped the

outcome? The primary focus is on the military campaigns, and their political and diplomatic contexts. The course grade is based on a major research project chosen by the student and developed with help of the instructor.

HIS 450 Vietnam Conflict (3 hours)

The Vietnam War, which lasted longer than any other military conflict in American history, grew out of the US government's Cold War Era policy to prevent the spread of communism at home and abroad. This course will examine US motivations for entering the war and the military strategies employed. The role of the media, especially television, will be examined as well as the rise of domestic opposition to the war as troop levels and casualties escalated throughout the 1960s. Lastly, the legacy of the war and its impact on the US and on Vietnam will be explored.

HIS 4510 Fact or Fiction (3 hours)

A study of scientific topics and social concerns today and in history, this course examines our assumptions about the natural world and our place in it. It will take a close look at the science and history behind some of the most contentious topics we face, including evolution, epidemic disease, genetic engineering, and environmental change. Learners will be asked to use this information in order to evaluate claims made in the popular media about how we, as a society, navigate the competing claims of morality, government, and the common good. (The interdisciplinary nature of this course allows it to satisfy Common Core requirements in Social Science or Math/Science.)

HIS 460 Internship (1-12 hours)

Approved work experience in an environment which uses skills and knowledge of a liberal arts education. Prerequisites: Consent of advisor, senior standing.

HIS 490 Special Topics (1-3 hours)

A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

HIS 4902 African American History (3 hours)

This course introduces students to the narrative of African American history beginning with the African slave trade and tracing the African American experience to the present day. The class deals with such topics as the making of American slavery, African American resistance, African American participation in American armed conflicts, and African American art and culture.

HIS 495 Honors Project (4 hours)
Open to seniors by invitation only.

HIS 498 Senior Thesis (3 hours)
The student will investigate and report a topic emphasizing the use of original sources. Prerequisite: Senior standing, social science major with emphasis in History.

Honors

HON 101 Honors Colloquium I (4 hours)
Students will be introduced to Western and non-Western Civilization through the study of history, literature, philosophy, religion, and art. This course is the first in the four-semester sequence of Honors Colloquia designed to satisfy the history and English components of the Common Core. This course specifically satisfies the Common Core requirement of COE 101 and HIS 215. Any student earning a grade of "D" or "F" in HON 101 may repeat the course one time.

HON 102 Honors Colloquium II (4 hours)
Students will be introduced to the history, literature, religion, and philosophy of the United States of America through the study of primary and secondary sources. This course is the second in the four-semester sequence of Honors Colloquia designed to satisfy the history and English components of the Common Core. This course specifically satisfies the Common Core requirement of HIS 210. Any student earning a "D" or "F" in HON 102 may repeat the course one time. Prerequisite: HON 101.

HON 201 Honors Colloquium III (4 hours)
Honor students will continue their humanistic studies with a topical course in various themes and modes of Literature. This course is the third in the four-semester sequence of Honors Colloquia designed to satisfy the history and English components of the Common Core. Prerequisite: HON 102.

HON 202 Honors Colloquium IV (4 hours)
Honor students will conclude their colloquia with the study of a variety of forms of individual and collective expression. This course is the fourth in the four-semester sequence of Honors Colloquia designed to satisfy the history and English components of the Common Core. Prerequisite: HON 201.

HON 391 Honors Mentoring Project (1 hour)
The goal of this course is to create a service learning project for Honors Program students which will increase community engagement and provide avenues for personal development. A service learning project is designed to meet a community need while also providing an opportunity for a significant learning experience to occur. Credit is awarded on a pass/fail basis. May not be repeated for credit. Prerequisites: HON 102 and permission of the Honors Program Director. Orientation and background screening may also be required.

HON 395 Honors Research Prep Seminar (1 hour)
This course prepares Honors Program students for their Honors Research Project by requiring each student to submit a research proposal that will be undertaken during the senior year. Honors program students must take this course in the spring semester of their junior year. Prerequisite: HON 202.

HON 399, 499 Individual Study (1 hour)
The Honors Program Individual Study is designed to enrich the content of a junior or senior level course in which the student is enrolled. Each Individual Study will satisfy one Honors Program Special Topics requirement. Using a standard contract available from the Honors Program Director, the student and the faculty member will agree upon addition work worth one credit hour that supplements the course in which the student is enrolled. All contracts must be completed within the first week of classes and are subject to approval by the Honors Program Director. May be repeated for credit. Prerequisites: HON 101, 102.

HON 490 Honors Special Topics (1 hour)
Honors seminars will expose students to topics in a variety of disciplines. With the instruction of specialized faculty, students will be encouraged to use their analytical skills to solve problems in the natural and social sciences, business, and the humanities. May be repeated for credit. Prerequisite: HON 202.

HON 495 Honors Project (4 hours)
Students must have the approval of the faculty advisor in the appropriate discipline and the Honors Program Director before enrollment in this course. Prerequisite: HON 395.

Humanities

HUM 101 Mark Twain (3 hours)
Emphasizes the role Mark Twain played in American literature. The course covers four of Twain's novels and a short story. Students will evaluate Twain's role as a spokesman on issues of American life and how he can be viewed as being more than just a humorist by evaluating themes which dominate his works. Students will examine how Twain's work has been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

HUM 102 - 20th Century American Drama (3 hours)
Emphasizes how Thornton Wilder, Eugene O'Neill, Arthur Miller, Lillian Hellman, and Edward Albee helped to shape the 20th century American theater. The course will cover one play by each of these authors. Students will evaluate how these plays are a reflection of American life and themes. Students will examine how these playwrights' works have been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

HUM 1030 William Shakespeare (3 hours)
Emphasizes the role Shakespeare played in drama and world literature. The course covers five plays (two comedies, two tragedies, and a history play). Students will evaluate how Shakespeare's plays transcend time and culture and will examine universal themes that dominate his work. Students will examine how Shakespeare's work has been interpreted by literary critics, film directors, screenwriters, actors, and the viewing public.

HUM 1040 Survey of Literature (3 hours)
Reading, analyzing and writing about a variety of literary genres including poetry, drama and the short story from the classic to the contemporary. Students will be asked to express and defend their thoughts both orally and through the written word.

HUM 230 Digital Photography (3 hours)
This course introduces the student to photography in the digital format. The goal is to teach and enhance visual communication involving personal expression and creativity. It teaches the student to translate an idea into a digital image enabling the student to use images for personal expression as well as internet communication and commercial applications. Students will learn basic technical skills involving use of cameras and software applications as they relate to photographic principles. It is a non-lab course. Registered students need access to a camera with the versatility to perform assignments. A textbook is not required.

HUM 260 Caring for the Aging Population (3 hours)
How and why do we age? Is old age necessarily a period of decline? What are the benefits of old age? Why is it important to study aging? How is individual aging related to the structure of society? What are the problems of an aging society? These and other questions are the topic of this course. We will examine aging from the perspectives of sociology, psychology, social demography, history, biology, the medical sciences, and economics. In particular, we will start by studying aging from a developmental or life course perspective. Then we will discuss health care for the elderly and issues of death and dying. We will end the course with a social and economic outlook for an aging society.

HUM 4510 - Fact or Fiction (3 hours)
A study of scientific topics and social concerns today and in history, this course examines our assumptions about the natural world and our place in it. It will take a close look at the science and history behind some of the most contentious topics we face, including evolution, epidemic disease, genetic engineering, and environmental change. Learners will be asked to use this information in order to evaluate claims made in the popular media about how we, as a society, navigate the competing claims of morality, government, and the common good. (The interdisciplinary nature of this course allows it to satisfy Common Core requirements in Social Science or Math/Science.)

Human Services

HUS 203 Alcohol, Drugs and Society (3 hours)
This course is designed to explore various aspects of alcohol and other drug use and abuse including: individual and societal interventions, social, familial, and individual influences and consequences, interfaces of use and criminal justice system, and basic mechanisms of substance action. This course may substitute for HEA 113 but may not be taken for credit in addition to HEA 113. Prerequisite: PSY 111 or SOC 111 or permission of instructor.

HUS 213 Social Issues in the Community and World (3 hours)
An opportunity to critically examine a variety of current social issues facing the individual, the community, and the world. Causes, development, and particular emphasis on alternative/policy solutions. Same as SOC 213.

HUS 216 Introduction to Human Services (3 hours)
Preparing future professional service providers and managers with the philosophy, values, languages, history, problems, and broad scope of the

human service field. Exposure to various human service agencies and current polices presented to provide an understanding of human behavior and the social environment, community resources, and process of human services. Prerequisite: SOC 111.

HUS 320 Race/Ethnic Relations (3 hours)

Sociological study featuring ethnological characteristics and intergroup relationships of the dominant and subordinate ethnic groups that form American communities. Urban and rural communities examined as social systems with specific functions and interaction dynamics. Prerequisite: SOC 111. Same as SOC 320.

HUS 323 Legal and Ethical Issues (3 hours)

This course is designed to prepare students for the application of ethical and legal practice to the human services field. It will provide the learner with the opportunity to explore their personal values in relation to ethical and legal expectations, thoroughly understand ethical and legal standards of the profession, and apply their knowledge to presented ethical dilemmas.

HUS 330 Research Methods (3 hours)

Introduction and examination of the strategies and methods of social science inquiry. Presented will be: problem formation and hypothesis research design, data collection, basic analysis and interpretation, reporting, and utilization of research and ethics. Experience in designing and conducting research projects. Prerequisites/Co-requisites: PSY 111, MTH 111, and MTH 202 or PSY 313.

HUS 331 Practice Intervention (3 hours)

Exposure to various human service professionals, agencies, and client populations through experiential field learning opportunities. Presents knowledge base of the roles, tasks, and methods of human service professionals. Included will be assessing, planning, interviewing, and recording techniques. Explores worker-client relationships, the helping process, and allows students to develop practical methods of application for administration and direct client care. Prerequisites: HUS 216, junior class standing.

HUS 399, 499 Individual Study (1-3 hours)

In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

HUS 418 Administration, Policy, and Advocacy (3 hours)
This course is designed to prepare the learner with fundamental knowledge and competencies to be successful in managerial and administrative roles in the human service profession. Additionally, topics and skills related to program and policy development and community and individual advocacy will be explored and developed.

HUS 420 Human Behavior in Social Environment (3 hours)
Exploration of how individuals are influenced by the social environment. The formation of behavior of individuals, interpersonal relationships, and groups observed for the purpose of developing the ability to explain and analyze social systems. Opportunity to integrate and apply knowledge to the human service practices. Topics to include: social perception, interaction, influence, and application. Prerequisites: SOC 111, PSY 111, 211. Same as PSY 420.

HUS 424 Interventions with Children and Families (3 hours)
This course is designed to prepare students to understand, assess, and assist children and families. This course will provide students with an in-depth analysis of families, family dynamics, the family life cycle, and particularly, the roles and development of children within the family system. Specific interventions to address and enhance family and family member functioning will be addressed along with methods that help ameliorate the special challenges that families may encounter.

HUS 426 Delivery to Targeted Populations (3 hours)
This course is designed to prepare students to understand, assess, and provide services to a variety of client populations including individuals with substance use/abuse/dependence and/or major mental illness. It will focus on various methods of assessment, intervention, and access to appropriate support systems and resources to assist targeted client populations.

HUS 428 Victimology (3 hours)
Theories and history shaping the bio-psycho-social environmental characteristics of crime and violent victimization are examined with emphasis on their intersection with issues of race, gender, class, ethnicity, and sexual orientation.

HUS 460 Internship (1-12 hours)
The capstone experience for human service majors in which student is placed in an agency, company, organization, or legislative setting which provides an opportunity to assume a professional role to build skills and expand expertise.

HUS 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

HUS 495 Honors Project (3 hours)
Open to seniors by invitation only. In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

HUS 299, 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Requires approval of the instructor, advisor, and Academic Dean.

Management & Organizational Development

MOD 101 Portfolio Development (3 hours)
This course is strongly recommended for students planning to submit a portfolio describing and documenting their prior college-level learning experience. Topics include an overview of experiential learning, writing a portfolio paper, and collecting documentation in support of a portfolio paper.

MOD 217 Six-Sigma (3 hours)
This course will offer an overview of Six Sigma and the initiation of process improvement. The concept of Six-Sigma will be defined and distinguished from other quality improvement programs. The initiation and implementation of Six-Sigma programs is incorporated as are the representative tools used in Six-Sigma programs.

MOD 220 Substance Abuse in the Workplace (3 hours)
A detailed analysis of the impact on the workplace of the abuse of both legal and illegal drugs. This course will give an in-depth overview of selected substances that are commonly abused in the workplace. This course will cover theories of counseling used to treat chemically dependent individuals.

MOD 240 Lean Operations (3 hours)
This course focuses on the concept of lean operations for manufacturing, service, and health care industries. A history of operational management is detailed before exploring the specifics of Lean philosophy. A comprehensive

discussion of the foundation and tenets of Lean precede the development of specific Lean tools utilized by major corporations for operations improvement. This course is activity based with group and class interactive projects to emphasize key Lean concepts.

MOD 250 Group & Organizational Dynamics (3 hours)
A study of group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on decision-making and resolving conflict in groups. Adult learners develop strategies for efficient and productive group management techniques.

MOD 252 Organizational Communications (3 hours)
This course examines the role communication plays in creating a productive and successful organizational environment. This class aids adult learners in developing, analyzing and strengthening their communication skills by focusing on different types of communication, various communication mediums, presentation skills, conflict management and types of diversity within communications.

MOD 350 Human Behavior in Organizations (3 hours)
This course is an examination of current theory in organizational behavior including the study of interactions between and among individuals in the organizational context. Topics include organizational culture, goal-setting, performance management, stress and work-life balance, teams and power in organizations.

MOD 260 Critical Thinking (3 hours)
This course, based on the critical literacy theory, provides tactile learning experiences in the use of intellectual tools to analyze, evaluate, and improve thinking, day-to-day thinking processes.

MOD 261 /2610 Practical Stress Management (3 hours)
Emphasizes how stress affects human health and behavior. Stress can affect a person psychologically, emotionally and physically. The course will examine how stress affects such diseases as cancer, hypertension, diabetes, and heart disease. Stress can also be related to environmental factors such as job and family life. Stephen Covey's First Things First and The Four Quadrants of Time Management will be discussed as a possible means to help students alleviate stress. Type A and Type B personalities will be examined, and students will learn stress management techniques which will aid them in dealing with stress on a daily basis.

MOD 262 Drug and Alcohol Addiction (3 hours)
Drug and Alcohol Addiction provides the adult learner with a basic understanding of these substances and their addictive qualities. The course begins with a historical perspective of drugs and alcohol in society and what current societal perceptions prevail. The adult learner will gain an appreciation for the biological and physiological basis for addiction. Adult learners will identify general drug classifications and their effects on physiology. The course concludes with the progression of substance abuse from casual use into addiction.

MOD 273 Foundations of Marketing (3 hours)
This course provides students with a concise approach to the basic concepts of marketing. Beginning with an overview of marketing in our world, the class examines strategic market planning, e-marketing, global marketing, marketing research and target-market analysis. Included is a detailed look at consumer buying behavior, as well as the conceptualization, development and management of various business marketing functions.

MOD 300 Orientation to Adult Learning (3 hours)
The course provides a paradigm for understanding individuals within organizations. Topics covered include adult learning theory, group formation and conflict management, the work environment, and communication channels within organizations. The course also covers writing and presentation skill development.

MOD 310 Issues in Management (3 hours)
This course is about motivational theory and its application to individuals and group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Negation is covered through readings and class practice, with an analysis of the effect of productivity.

MOD 320/OL 3370 Systems Approach to Organizational Change (3 hours)
An online class that examines the formal and informal functions of organizations and analysis of agencies or organizations based on a systems model. Adult learners analyze and solve organizational problems using a step-by-step method, which will be applied to work-related independent study projects. This class serves as the springboard for the organizational research project.

MOD 340 Leadership (3 hours)
This course considers implications of leadership, the relation of leadership to motivation, and explores various theories of leadership. The techniques used by leaders to maintain follower compliance will also be examined; sources of power for leaders, negotiation strategies, and leaders in the context of teams and multicultural environments are also reviewed.

MOD 360 Intro to Research Methods & Analysis Using Statistics (3 hours)
Problem analysis and evaluation techniques. Methods for defining researching, analyzing, and evaluating problems in the work or vocational environments selected for an independent study project. Specific statistical information covered in the course includes identifying and measuring objectives, collecting data, working with significant levels, and analyzing variance and constructing questionnaires.

MOD 400 Human Resource Management (3 hours)
Exploration of the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices of recruitment, selection, training, development and compensation of employees. Special attention is given to Equal Opportunity and Office of Safety and Health Administration legislation through a series of case studies and simulations.

MOD 410 Quantitative Approaches to Managerial Decision-Making (3 hours)

This course is an examination of quantitative applications in management with an emphasis in management accounting and operations management. Topics include: budgeting, forecasting, cost control, financial analysis, the value-chain, cost management and total quality management.

MOD 420 Issues in Marketing (3 hours)
Principles of marketing needed by managers in all areas in order to develop and utilize effective marketing practices. Concepts of our global economy, including major social, psychological and political influences and their marketing implications considered from a manager's perspective.

MOD 430 Business, Government and the International Economy (3 hours)
This course examines the interaction between business organizations, governmental structures, and the international economic environment. Topics include governmental attempts to regulate business organizations

and manage the national economy. Models of competitive production are reviewed as in the impact of global competition.

MOD 4350 – Selling & Sales Management (3 hours)
The Selling & Sales Management course covers responsibilities and strategies associated with managing a sales force, examines selling techniques from a variety of perspectives and focuses on the creation of entrepreneurialstrategies for sales force management. Gaining and understanding of selling in the contemporary business environment with a strong focus on creating and communicating value for customers and managing the buyer/ seller relationship processing a key component of this course. Students engage in leadership and management techniques that enhance the success of individual salespeople and of organizations.

MOD 440 Strategic Planning (3 hours)
Various management planning models, techniques, and application to business cases. Concepts of strategic planning and strategic management.

MOD 4450 - Crisis Management (3 hours)
This course develops managerial skills in crisis avoidance, management, and recovery. Students learn how to respond to situations creating danger to organizations, their employees, and the public.

MOD 450 Ethical and Legal Environment of Modern Organizations (3 hours)
This course considers managerial decision-making from an ethical and legal standpoint. Topics include the application of moral philosophy to the business environment, the Constitutional basis for regulations such as teams in capitalist environments, antitrust regulation, and human rights.

MOD 4550 Business and Society (3 hours)
Introduces a strategic social responsibility for courses that address the role of business in society. Social responsibility is concerned with issues related to values and expectations, as well as the rights of members of society. We view social responsibility as the extent to which a business adopts a strategic focus for fulfilling the economic, legal, ethical, and philanthropic responsibilities expected by all its stakeholders.

MOD 460 A, B, C, /OL 4700 Organizational Research Project (6 hours)
This is an online independent project requiring the analysis of an organization, identification of a problem or opportunity, research of previous work on the topic, and collection and analysis of data to make an informed recommendation. A comprehensive paper documenting the development of the project is required. This is a 3-part course with each section worth 2 credit hours for a total of 6 semester hours.

MOD 4800 - Business Law (3 hours)
Business Law is a senior level course designed to provide the adult learner with an understanding of the nature of law, tort, contracts, the sale of goods, and the legal regulation of business competition. The law of ownership, forms of business, organization, commercial paper, and secured transactions may also be topics of discussion.

Mathematics

MTH 021 Elementary Algebra (3 hours)
Real numbers, algebraic concepts, linear equations and inequalities, factoring, operations on polynomials, rational expressions and equations, graphing linear functions, simple roots, and quadratic equations. Hours completed do not count toward graduation requirement. A grade of C or better is required before proceeding to MTH 105.

MTH 105 Basic College Algebra (3 hours)
A course to prepare students for MTH 111 or MTH 112. Real numbers, polynomials, rational expressions, exponents and radicals, linear equations and in equations, absolute values, complex numbers, rational equations, solution of quadratic equations by factoring and the quadratic formula, and linear functions, systems of linear equations, simple graphing techniques. Hours completed may be used only as elective credits toward graduation. A grade of C or better is required before proceeding to MTH 111 or MTH 112. Prerequisite: ACT mathematics score of at least 16 or MTH 021 with a grade of C or better or permission of instructor.

MTH 111 College Algebra (3 hours)
The function concept, factoring, rational equations, inequalities and equations, mathematical induction, the binomial theorem, sequences, exponential and logarithmic functions, complex numbers, and theory of equations. Prerequisite: A score of 20 or more on the ACT in Mathematics or MTH 105 with a grade of C or better, or exemption.

MTH 112 Finite Mathematics (3 hours)
Quantitative methods used in business management, topics in algebra including exponential and logarithmic functions, elementary mathematics of finance, systems of linear equations, matrices, linear programming. Will not count toward a Math major or minor. Prerequisite: : A score of 20 or more on the ACT in Mathematics, MTH 105 with a grade of C or better, or exemption.

MTH 113 Mathematics For Humanities (3 hours)
A survey of mathematics for non-science majors. Topics include basic set theory and logic, applications of algebra and geometry, the mathematics of personal finance. Will not count towards a mathematics major or minor. Credit cannot be given for both MTH 112 and MTH 113.

MTH 123 Pre-Calculus (3 hours)
Elementary functions including polynomial, rational, exponential, logarithmic, and trigonometric. Inverse functions, composite functions, complex numbers, vectors, and applications. Prerequisite: A score of 23 or more on the ACT in Mathematics, MTH 111 with a grade of C or better, or exemption.

MTH 200 Applied Calculus (3 hours)
Elementary differential and integral calculus with applications in management and biological science; not open to students with credits in MTH 230 or 231. Prerequisite: A score of 23 or more on the ACT in Mathematics, MTH 111 or MTH 112 with a grade of C or better, or exemption.

MTH 202 Introduction to Statistics (3 hours)
Frequency distributions, probability, elementary statistical techniques, analysis and interpretation of data. May not be taken for major or minor mathematics credit. Prerequisite: MTH 111 or MTH 112 with a grade of C or better, or exemption.

MTH 230 Calculus I (4 hours)
Review of equations and inequalities. Elementary functions, their graphs, and their derivatives. Inverse functions, Limits derivatives, applications of derivatives, continuity. Prerequisites: MTH 123, or two years of high school algebra and a semester of trigonometry.

MTH 231 Calculus II (4 hours)
The integral, integration techniques, integration of the elementary functions including exponential, logarithms, trigonometric and inverse trigonometric; differentials, improper integrals, and series. Prerequisite: MTH 230.

MTH 232 Calculus III (4 hours)
Vectors, vector valued functions, functions of several variables, gradients, multiple integrals, line, and surface integrals. Prerequisite: MTH 231.

MTH 301 Multivariate Calculus (3 hours)
A study of vector-valued functions, function of several variables, differentials, gradients, multiple integrals, line and surface integrals, Stokes Theorem, and Green's Theorem. Prerequisite: MTH 232.

MTH 311 Abstract Algebra I (3 hours)
Mappings, equivalence relations, groups, rings, integral domains, number fields, and polynomials. Prerequisite: MTH 320.

MTH 320 Discrete Mathematics (3 hours)
Order relations, set algebra, Boolean algebra, functions as single value relation. Propositional logic and truth functions. Graphs and trees with applications in computer science. Prerequisite: MTH 231 or permission of instructor.

MTH 321 Linear Algebra (3 hours)
Vector spaces, matrices, determinants, systems of equations, linear transformations, eigen values and eigen vectors. Prerequisite: MTH 232.

MTH 335 Non-Euclidean Geometry (3 hours)
Review of Euclidean plane geometry with special emphasis given Euclid's fifth postulate; hyperbolic geometry, elliptic geometry. Prerequisites: MTH 232 and one year of high school geometry.

MTH 341 Differential Equations (4 hours)
Equations of first and second order, linear equations of higher order, operators, variation of parameters, Laplace transforms, applications. Prerequisite: MTH 232.

MTH 342 Numerical Methods (3 hours)
Computer solutions to mathematical problems in areas of calculus, theory of equations, and matrices. Laboratory. Prerequisite: CSC 341 and MTH 321. Same as CSC 342.

MTH 350 Probability and Statistics I (3 hours)
Discrete and continuous probability spaces, statistical independence, distributions, discrete and continuous random variables, expectations, and moment generating functions of probability distributions. Prerequisite: MTH 231.

MTH 351 Probability and Statistics II (3 hours)
Estimation of parameters, confidence intervals, hypothesis testing with applications, regression and correlation, Bayesian estimation. Prerequisite: MTH 350.

MTH 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

MTH 411 Advanced Calculus I (3 hours)
Topics of an advanced nature selected from the differential and integral calculus. Real number system, sequences, continuity, uniform continuity, series and residues. Prerequisite: MTH 320.

MTH 412 Advanced Calculus II (3 hours)
Continuation of Math 411. Prerequisite: MTH 411.

MTH 421 Introduction to Topology (3 hours)
Topology of real line, metric spaces, continuous functions, homeomorphisms, topological in variants. Prerequisite: MTH 320.

MTH 460 Internship (1-12 hours)
Approved work experience requiring mathematics background. Prerequisites: Consent of advisor, senior standing.

MTH 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

MTH 495 Honors Project (4 hours)
Open to seniors by invitation only.

Music

MUP 106-406 Guitar Ensemble (1 hour)
Small guitar groups organized for instruction in playing music for more than one guitar as well as for playing guitar duets and trios. Meets twice weekly.

MUP 108-408 Applied Brass (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit.

MUP 111-411 Bethel University Singers (1 hour)
Touring vocal ensemble with admittance by audition and permission of instructor. May be repeated for credit. Class standing at enrollment determines level.

MUP 112A-412A Marching Band (1 hour)
Admission by Audition. Weekly rehearsals culminate in public performances of selections from Marching Band repertoire. May be repeated for credit.

MUP 113A-413A Symphonic Band (1 hour)
Admission by Audition. Weekly rehearsals culminate in public performances of selections from Wind Band repertoire in a concert setting. May be repeated for credit.

MUP 113-413 Music Theatre Chorus (1 hour)
Choral ensemble for musicals and operettas. Open to all students and the community. May be repeated for credit. Class standing at enrollment determines level.

MUP 114-414 Applied Organ (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit. Class standing at enrollment determines level. Prerequisite: Piano proficiency equivalent to exit level for MUS 252.

MUP 115-415 Applied Piano/Harpsichord (1-2 hours)
Private lessons: half-hour lesson for 1 hour credit; 1 hour lesson for 2 hours credit. May be repeated for credit. Class standing at enrollment determines level. Prerequisite: Piano proficiency equivalent to exit level for MUS 252

MUP 116-416 Applied Voice (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit. Class standing at enrollment determines level. Prerequisite: MUS 161.

MUP 117-417 Applied Guitar (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit. Class standing at enrollment determines level. Prerequisite: MUS 161.

MUP 118-418 Applied Woodwinds (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit.

MUP 119-419 Chamber Ensemble (1 hour)
Performance of literature for various combinations of voices and/or instruments composed specifically for smaller groups. Meets twice weekly

MUP 123-423 Hand bell Choir (1 hour)
Admission by audition. The choir will ring literature for 3-5 octaves of English hand bells, learning and using various ringing and damping techniques as well as special effects. The Hand bell Choir will perform in churches, schools, and at least once per semester on campus. Rehearsals are held three times weekly.

MUP 124-424 Applied Percussion (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour less for 2 hours credit. May be repeated for credit.

MUP 133-433 Applied Strings (1-2 hours)
Private lessons: One-half hour lesson for 1 hour credit; 1 hour lesson for 2 hours credit. May be repeated for credit.

MUP 139-439 Wind Ensemble (1 hour)
Admission by audition. Weekly rehearsals culminate in public performances of selections from Wind Band repertoire in a concert setting. May be repeated for credit. Prerequisite: Successful audition and/or interview with instructor.

MUS 010 Recital Hour (0 hours)
Required for all music majors. Students must attend all student and faculty recitals and perform in recital hour at least once each semester when enrolled in applied music for credit.

MUS 101 Music Fundamentals (3 hours)
Basic introduction to the elements of music. Includes the staff, clefs, rhythms, key signatures, scales, and chords. Introduction to sight-singing, ear training, and keyboard skills. Designed for non-music majors and for music majors or minors with little or no background in music.

MUS 102 Singers' Diction (3 hours)
An introduction to international phonetic alphabet symbols as they apply to pronunciation for singing. An introduction to pronunciation and application rules for singing in Italian, French, German, and Church Latin.

MUS 121 Music Theory I (3 hours)
Survey of foundational concepts in music theory; melodic, rhythmic, and harmonic materials; musical structure and form; basic counterpoint and analysis. Prerequisite: MUS 101 or score of 60% or higher on proficiency exam administered first day of class. Proficiency exam includes note-reading, major and minor scales, rhythms, and triad recognition.

MUS 121L Music Theory I Lab (1 hour)
Practical application of MUS 121: sight-singing using solfege, recognizing and singing intervals, reading rhythms, recognizing triads. Usage of Practica Musica software.

MUS 122 Music Theory II (3 hours)
Continuation of MUS 121. Fundamental concepts in music theory examined in detail; melodic, rhythmic, and harmonic materials; musical structure and form; contrapuntal composition and analysis. Prerequisite: MUS 121, 121L.

MUS 122L Music Theory II Lab (1 hour)
Practical application of MUS 122: advanced sight-singing using solfege, melodic dictation, reading rhythms including syncopation, recognizing seventh chords. Use of Practica Musica software.

MUS 151 Class Piano I (1 hour)
Piano skills for beginners taught in a group setting.

MUS 152 Class Piano II (1 hour)
Continuation of MUS 151. Prerequisite: MUS 151 or exemption.

MUS 161 Class Voice (1 hour)
Basic principles of vocal technique, diction, preparation of vocal literature and public performance; taught in a group setting.

MUS 171 Class Guitar (1 hour)
Guitar skills for beginners taught in a group setting.

MUS 201 Music Appreciation (3 hours)
Listening skills, descriptive musical vocabulary, and selected works of the cultural tradition of the Western World.

MUS 201 Music Appreciation (3 hours)
Students will study the basic elements of music such as: sound, pitch, dynamics, voices, instruments, tone color, rhythm, melody, harmony and musical form. The course will involve different periods, styles, artists, and composers. Students will learn to recognize the period of history in which a piece was composed. The lives of various outstanding composers will be studied in depth and considerable "listening" time is involved, both in and outside of class time.

MUS 221 Music Theory III (3 hours)
Advanced harmony and preliminary analysis.

MUS 226 Brass Methods (1 hour)
The course presents fundamentals of playing and teaching brass instruments. Course content focuses on cultivating students' proficiency with brass instruments as well as developing their ability to evaluate and teach basic principles of brass playing. Prerequisite: MUS 121.

MUS 227 Percussion Methods (1 hour)
The course presents fundamentals of playing and teaching percussion instruments. Course content focuses on cultivating students' proficiency with percussion instruments as well as developing their ability to evaluate and teach basic principles of percussion playing. Prerequisite: MUS 121.

MUS 228 String Methods (1 hour)
The course presents fundamentals of playing and teaching the violin, viola, cello, and bass. Course content focuses on cultivating students' proficiency with string instruments as well as developing their ability to evaluate and teach basic principles of string playing. Prerequisite: MUS 121.

MUS 229 Woodwind Methods (1 hour)
This course presents fundamentals of playing and teaching woodwind instruments. Course content focuses on cultivating students' proficiency with woodwind instruments as well as developing their ability to evaluate and teach basic principles of woodwind playing. Prerequisite: MUS 121.

MUS 230 Foundations in Church Music (3 hours)
An introduction to Biblical, theological, and philosophical foundations for music ministry, including studies in historical and contemporary Christian worship and such practical aspects as time management, staff relations, budgeting, and training of volunteer leaders in the church music program. Field observation (30 hours) in a local church music program will be required.

MUS 235 Survey of Music Literature (3 hours)
Introduction to the historical styles of music through listening and score-reading. The student will build a working knowledge of a basic music repertory through listening and score study. Attendance at and review of several music performances will be required. Prerequisite: MUS 122, 122L.

MUS 238 Survey of the Music Industry (3 hours)
The course will explore the history, procedures, structure, standard practices, ethical issues, and technologies involved with all facets of the business of music. Students will observe various careers within these facets of the industry.

MUS 240 Introduction to Recording Technologies I (3 hours)
An introduction to the basic principles of sound and how audio can be captured and manipulated utilizing current recording technology. Theory will be discussed, as it pertains to the understanding of what makes a good recording. Concepts include signal flow, microphone selection and placement, signal processing, and mixing. The student will be able to render a multi-track recording employing all the above concepts to demonstrate a solid knowledge of basic recording fundamentals.

MUS 241 Introduction to Recording Technologies II (3 hours)
An introduction to advanced principles of sound and how audio can be captured and manipulated utilizing current recording technology. Theory will be discussed, as it pertains to the understanding of what makes a good recording. Concepts include signal flow, microphone selection and placement, signal processing, and mixing. The student will be able to render a multi-track recording, from concept to completion, employing all the above concepts to demonstrate a solid knowledge of recording fundamentals. Prerequisite: MUS 240.

MUS 242 Live Sound Engineering (3 hours)
Basic principles of sound reinforcement and how audio can be manipulated utilizing current live sound technology. Theory will be discussed as it pertains to the understanding of what makes a good production. Concepts include signal flow, microphone selection and placement, signal processing, and mixing. The student will be able to render a multi-channel mix for live production, from concept to completion, employing all the above concepts to demonstrate a solid knowledge of sound reinforcement fundamentals. Prerequisite: MUS 240.

MUS 243 Concert Stage and Lighting Design (3 hours)
Basic stage lighting design, moving from design concept to implementation. Understanding and using current stage and lighting technology used in the music industry.

MUS 251 Class Piano III (1 hour)
Piano skills for advanced beginners taught in a group setting. Prerequisite: MUS 152 or exemption.

MUS 252 Class Piano IV (1 hour)
Continuation of MUS 251. Prerequisite: MUS 251 or exemption.

MUS 301 Music History I (3 hours)
History of music from the ancient Greeks to the Baroque era. Prerequisites: MUS 122, 122L.

MUS 302 Music History II (3 hours)
History of music from the Classical era to the present. Prerequisite: MUS 301.

MUS 303 Musical Analysis (3 hours)
Principles of advanced harmony, counterpoint, and form as revealed in analysis of musical scores. Prerequisite: MUS 122, 122L.

MUS 304B Conducting (2 hours)
Physical conducting techniques, rehearsal procedures, programming, and fundamentals of choral and instrumental scores. Prerequisites: MUS 122, 122L.

MUS 305B Advanced Conducting (2 hours)
A continuation of MUS 304 with an emphasis on applying the grammar of conducting to a choral-instrumental setting, including methods for addressing fundamental vocal technique, diction, blend, balance, intonation, choral sight reading, musicianship and solving complex musical problems in the context of choral-orchestral rehearsal. The student will engage in extensive score analysis of choral and instrumental rehearsal techniques but will focus on gaining increasing proficiency in conducting skills necessary for clear communication with the choir and orchestra.

MUS 320 Hymnology (3 hours)
Analysis and appreciation of the great hymns of the church. A study of their sources, development, and use in services today.

MUS 325 Orchestration (3 hours)
A study of the individual characteristics of the various instruments of the modern orchestra. The arrangement for orchestra and band of original or standard compositions and arrangements for ensemble groups. Preparation of orchestral, band, and choral ensemble scores. Calligraphy; music copy and layout; reproduction processes; copyright law. Prerequisites: MUS 122, 122L.

MUS 330 Music Publishing (3 hours)
This course provides a focused overview of the music publishing industry including: the history of music publishing, functions of music publishing, music publishing and sub publishing agreements, and how these components operate within the industry thorough various venues such as recorded music, print music, television, motion pictures, Broadway musical, internet, and new media outlets.

MUS 331 Popular Music History (3 hours)
Historical analysis of music industry trends and developments since 1890.

MUS 332 Touring and Merchandising (3 hours)
This course explores the development, organization, and execution of tours, shows, and live events. Students will identify the roles and responsibilities involved for a successful outcome of an event including the design and merchandising of tour-related merchandise. Students will observe various careers within touring and merchandising.

MUS 333 Principles of Mixing (3 hours)
An introduction to advanced principles of mixing. Theory will be discussed and practiced as it pertains to the understanding of what makes a good recording. Concepts include signal flow, microphone selection and placement, signal processing and mixing, and live recording. The student will be able to render a multi-track recording, from concept to completion, employing all the above concepts to demonstrate a solid knowledge of recording fundamentals with heavy emphasis on mixing. Prerequisites: MUS 241.

MUS 334 Principles of Mastering (3 hours)
The purpose of this course is to introduce advanced principles of mixing/mastering. Theory will be discussed and practiced as it pertains to the understanding of what makes a good recording. Concepts include signal processing and mixing/mastering. The student will be able to render a multi-track recording, from concept to completion, employing all the above concepts to demonstrate a solid knowledge of recording fundamentals with heavy emphasis on mixing/mastering and final CD ready for mass production. Prerequisite: MUS 333.

MUS 335 Leadership and Music Management (3 hours)
This course considers multiple facets of leadership. Students will explore the theories, characteristics, and styles of leadership. Additionally, students will examine the functions of management including developing, planning, implementing, and controlling using various decision-making skills. Students will employ critical thought and assessment of their leadership and management skills and characteristics. Students will create an action plan for personal development.

MUS 336 Introduction to Midi (3 hours)
Course introduces students to the Musical Instrument Digital Interface (MIDI) sequencing using computer software and keyboard synthesizers. Students learn concepts, basic theory and techniques, and the application of MIDI technology to the production of music. Hands-on projects are completed using MIDI keyboard synthesizers and sequencer software. Prerequisite: MUS 241.

MUS 337 Audio for Media (3 hours)
an introduction to the use of music and sound in different media applications. The student will be able to create, manipulate, and add sound effects and music tracks to a time-line presentation in various media types including film and radio. Prerequisite: MUS 336.

MUS 346 Elementary Music Methods (3 hours)
Music curriculum for the elementary school. Includes study of current methods and materials, planning for music instruction, and presentation of music lessons to elementary school children. Prerequisite: MUS 122, 122L.

MUS 380 Junior Recital (1 hour)
This major assignment is a presentation of music after concentrated preparation and is graded by music faculty.

MUS 381 Junior Project (1 hour)
Project topic will demonstrate junior-level competency. Projects require the preparation of a prospectus and approval from the student's major professor and a project committee. Prerequisite: Faculty approval.

MUS 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

MUS 401 Church Music (3 hours)
Music in worship, Christian education, and the life of the church with particular emphasis on the hymn and the planning of worship services. Same as REL 401.

MUS 407 Music Skills and Activities for Life (3 hours)
Basic fundamentals of music: note reading, listening, singing, keyboard, instruments, movement, and conducting. Age-appropriate development of musical concepts and musicianship. Recreational and aesthetic aspects of music. Student-led class activities to demonstrate personal skills and leadership of group experiences in music.

MUS 409 Church Music Education (3 hours)
Methods and materials for teaching musing in grades K-6. Includes demonstration and observation of teaching at this level. Designed primarily for the non-music major, this course involves study of a well-balanced program of singing, listening, rhythmic, creative, and instrumental activities.

MUS 425 Practice of Church Music (3 hours)
Organizing and leading the comprehensive church music ministry. Topics include pre-school/children's choir organization and leadership, instrumental music ministry, scheduling and promotion, and integrating the music ministry with other Christian educational programs in the church.

MUS 430 Special Studies in Music (3 hours)
Possible topics include song and opera literature, choral literature, keyboard literature. Prerequisite: MUS 122, 122L.

MUS 435 Pedagogy (3 hours)
A course of instruction for applied music in the area of voice, organ, piano, or guitar. Examines concepts of teaching, professional practice methods, resource materials, and ethical considerations for private instruction. Prerequisite: Junior standing in applied music or permission of instructor.

MUS 436 Teaching Music in Secondary School (3 hours)
Curriculum planning, teaching and evaluation practices for the teacher of choral/instrumental music in secondary schools; emphasis on characteristics and needs of all secondary students including diversity in race/ethnicity, language, and/or special needs through a variety of instructional techniques. Unit and lesson development using Tennessee and national standards. Micro-teaching.

MUS 440 Music Industry Law (3 hours)
An in-depth study of the legal aspects of the music industry will be covered, including: contracts, music listening, copyrights, royalties, music publishing, and other legal agreements. In addition to lectures and text, the course will utilize various case studies to present course material.

MUS 460 Internship (1-12 hours)
Approved work experience requiring music background. Prerequisites: Consent of advisor, senior standing.

MUS 480 Senior Recital (1 hour)
Major requirement. Graded by music faculty.

MUS 480 Senior Recital (1 hour)
Major requirement. Graded by music faculty.

MUS 481 Senior Project (1 hour)
Project topic will demonstrate senior-level competency. Projects require the preparation of a prospectus and approval from the student's major professor and a project committee. Prerequisite: Faculty approval.

MUS 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

Nursing

NUR 300 Health Assessment of Adults (4 hours)
This course introduces the student to normal and abnormal findings noted during physical assessment found in persons age 13 and up. The focus of the course will be on the assessment phase of the nursing process and the development of skills needed to perform physical assessment while considering psychosocial and cultural backgrounds. The topics of interviewing, utilizing therapeutic communication, and teaching health promotion behaviors will be discussed and practiced. Prerequisite: admission to the nursing program

NUR 311 Foundations in Nursing (5 hours)
This course focuses on the foundations of professional nursing practice. The nursing process and evidenced-based practice will be explored and applied. Study of the factors that impact health, essential nursing interventions and the promotion of physiological functioning by the nurse will guide development of an understanding of the role of the nurse as provider of care. Beginning skills will be taught in a laboratory component of the course and implemented in the clinical component to prepare the student to function in the beginning role of provider of care. (3 hours class and 6 hours clinical per week) Prerequisite: admission to the nursing program

NUR 317 Pharmacology in Nursing I (2 hours)
This course is the first half of a yearlong course in pharmacology in nursing. The courses together will focus on pharmacological therapy and the role of the nurse in drug management, with consideration of social, economic, and technological changes in administering medications safely. Emphasis will be placed on developing critical thinking abilities necessary to care for persons receiving medication therapy. Prerequisite: admission to the nursing program

NUR 318 Pharmacology in Nursing II (2 hours)
This course is the second half of a yearlong course in pharmacology in nursing. The courses together will focus on pharmacological therapy and the role of the nurse in drug management, with consideration of social, economic, and technological changes in administering medications safely. Emphasis will be placed on developing critical thinking abilities necessary to care for persons receiving medication therapy. Prerequisite: NUR 317

NUR 321 Concepts in Nursing (2 hours)
This course focuses on the values, roles, ethics and image of the professional nurse. Nursing theory, nursing models of practice, teaching/learning and the health care delivery systems will be introduced. The history of nursing, nursing education, political factors affecting nursing, global health care, and the Nursing Code of Ethics will be discussed as well as their influence on current and future practice issues. The concepts of cultural diversity, altruism, autonomy, dignity, and integrity will also be introduced. Prerequisite: admission to the nursing program

NUR 322 Nursing Care of Clients with Psychosocial Disorders (4 hours)
This course emphasizes the process of psychosocial adaptation in persons with acute and chronic mental disorders. The course also contains a clinical component that focuses on nursing care of clients in the psychosocial setting. The importance of critical thinking and developing evidence-based practice in the psychosocial setting will be emphasized. (2 hour class and 6 hours clinical per week.) Prerequisites: NUR 300, 311, 317, 321

NUR 323 Pathophysiology in Nursing (3 hours)
This course will explore the pathological alterations of normal physiological function and the resulting disease processes along with their clinical manifestations. Prerequisite: admission to the nursing program.

NUR 326 Nursing Care of Adults I (6 hours)
This course is the first semester of a two semester series that examines theoretical and scientific knowledge necessary to care for culturally diverse adults. The physiologic pathology of selected diseases of adults, adaptation to stressors, and the dysfunction of systems will be discussed. This course also includes a clinical component that focuses on nursing strategies utilized to promote restoration of health during illness of adults. Critical thinking and the development of evidence based practice will be emphasized. (3 hours class and 9 hours clinical per week.) Prerequisites: NUR 300, 311, 317, 321

NUR 334 Nursing Care of Children and Adolescents (5 hours)
This course examines theoretical and scientific knowledge necessary to care for culturally diverse children and adolescents. The physiologic pathology of selected diseases of children and adolescents, adaptation to stressors, and the dysfunction of systems will be discussed. This course also includes a clinical component that focuses on nursing strategies utilized to promote restoration of health during illness of children and adolescents. Critical thinking and the development of evidence based practice will be emphasized. (3 hours class and 6 hours clinical per week.) Prerequisites: NUR 318, 322, 323, 326

NUR 341 Nursing Research (3 hours)
This course introduces the student to the history of nursing research, research methodologies, and techniques of utilizing research findings to establish evidence-based practice. Quantitative and qualitative research designs will be reviewed to prepare the students to become knowledgeable consumers of research and in critiquing research. Prerequisite: MTH 202. Prerequisite: admission to the nursing program

NUR 410 Nursing Care of the Community (4 hours)
This course prepares the student as a generalist for entry level practice in community health nursing. Students will identify methods of delivering culturally competent health care to community groups while developing basic skills in epidemiological investigation, and community health assessment and health promotion. In addition, this course includes a clinical component that focuses on health promotion in areas such as public health, primary care, occupational health, correctional health, and hospice. Student will serve in roles as health educators, coordinators, and advocates in a community health setting. (2 hours class and 6 hours clinical per week.) Prerequisites: NUR 334, 341

NUR 414 Nursing Care of Women and Neonates (5 hours)
This course examines theoretical and scientific knowledge required to provide nursing care to culturally diverse women and childbearing families. Women's health issues, including pathology of diseases specific to women, maternity care, and newborn care will be discussed. Health promotion, risk reduction, and disease prevention will be emphasized. The clinical component of this course focuses on nursing care of female clients. Students will gain experience in a variety of gynecologic and obstetric settings. Critical thinking and evidence-based practice will be emphasized. (3 hours class and 6 hours clinical per week.) Prerequisites: NUR 334, 341

NUR 418 Nursing Care of Adults II (6 hours)
This course is the second semester of a two semester series that examines theoretical and scientific knowledge necessary to care for culturally diverse adults. The physiologic pathology of selected diseases of adults, adaption to stressors, and the dysfunction of systems will be discussed. This course also includes a clinical component that focuses on nursing strategies utilized to promote restoration of health during illness of adults. Critical thinking and the development of evidence-based practice will be emphasized. (3 hours class and 9 hours clinical per week.) Prerequisites: NUR 334, 341

NUR 422 Nursing Care of Critically Ill Adults (4 hours)
This course is designed to introduce undergraduate nursing students to the Adult Acute Care/Critical Care practice setting across the health care continuum. Core content areas include nursing care for pathological conditions of the respiratory, cardiovascular, gastrointestinal, renal, endocrine, neurological, hematological, and immunological systems. Trauma, emergencies, and critical care practice issues such as palliative care, end of life care, and organ donation will also be discussed. The clinical component will provide the student with experiences in the critical care area. (2 hours class and 6 hours clinical per week.) Prerequisites: NUR 410, 414, 418

NUR 424 Capstone Practicum in Nursing (6 hours)
This course provides the last semester nursing student with the opportunity to synthesize and apply nursing concepts. This course also contains a clinical practicum component based on the application of clinical decision-making in order to provide comprehensive nursing care to persons in inpatient or community settings. Students choose an area of interest and obtain clinical experience under the supervision of a preceptor. (2 hours class and 12 hours clinical per week.) Prerequisites: NUR 410, 414, 418. Students who earn a grade of "C" or higher are exempt from COE 401.

NUR 430 Leadership and Management in Nursing (4 hours)
This course examines the leadership styles utilized in nursing practice. Theories and skills in leading and managing including prioritization and delegation, organizational structures, and legal and ethical issues will be examined. The impact of economics, regulations and political influences on nursing will be explored. Investigation of the effect of interdisciplinary relationships on the outcomes of nursing care will be facilitated. The clinical component of this course focuses on nursing management roles in a variety of settings—allowing students to begin incorporation of knowledge obtained in this course into their practice. (2 hours class and 6 hours clinical per week) Students who earn a grade of "C" or higher are exempt from COE 401. Prerequisites: NUR 410, 414, 418

NUR 450 Issues in Health Care (1 hour)
This course will focus on professional role development as well as beginning professional socialization. Current social, political, and economic issues that influence health care will be considered. Exploration of the nurse's role within the current health care environment with regard to these evolving health care issues will be facilitated. Prerequisites: NUR 410, 414, 418

NUR 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

NUR 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing, approval of advisor and Academic Dean.

Organizational Leadership

OL 1150 Business in a Changing World (3 hours)
The course is an introduction to the business environment and overview of the functional areas of business including management, marketing, accounting, finance, and information systems.

OL 3050 Orientation to Online Learning (3 hours)
This course is an introduction to learning in the on-line environment. Topics include the learning management system, library resources, and other support mechanisms within the program.

OL 3110 Principles of Management (3 hours)
This is a survey course in the functional areas of management including leading, controlling, planning, and organizing in a global environment.

OL 3210 Principles of Managerial Accounting (3 hours)
This course is an introduction to concepts in accounting from the manager's perspective. Topics include cost-volume-profit analysis, costing and budgeting.

OL 3220 Principles of Marketing (3 hours)
Principles of Marketing introduce students to the 4 P's of marketing: product, price, promotion, and place, that combine to form the marketing mix.

OL 3230 Organizational Theory (3 hours)
The course is an investigation of the theoretical models of organization and how organizations can be structured for maximum efficiency.

OL 3240 Business Statistics (3 hours)
The course introduces the basic statistical concepts needed in the business environment. The emphasis is on the use of statistical information.

OL 3250 Business Ethics (3 hours)
Business ethics explores the philosophical foundations of ethical and unethical behavior.

OL 3350 Leadership (3 hours)
The course examines various theories of leader-ship as a managerial function on and from the perspective of personal development.

OL 3360 Management Information Systems (3 hours)
Management information systems explore the relationship between hardware, software, systems, and humans in the organizational context.

OL 4220 Managerial Economics (3 hours)
The course is an introduction to economics from a managerial perspective.

OL 4240 Strategic Management (3 hours)
The course examines the development and deployment of strategy as a critical factor in organizational success.

OL 4250 Human Resource Management (3 hours)
The course surveys the field of human resource management in its functional areas: staffing, compensation, performance appraisal, and training. The course includes an introduction to equal employment law.

OL 4340 Consumer Behavior (3 hours)
The course examines the behavior of consumers in terms of increasing sales.

OL 4700 /MOD 460 A, B, C, Organizational Research Project (6 hours)
This is an online independent project requiring the analysis of an organization, identification of a problem or opportunity, research of previous work on the topic, and collection and analysis of data to make an informed recommendation. A comprehensive paper documenting the development of the project is required. This is a 3-part course with each section worth 2 credit hours for a total of 6 semester hours.

Participation

Note: Students must be members in good standing of an activity before registering for participation credit. In order to register for sports participation, students must meet NAIA eligibility regulations. One hour of credit of each sport participation per year is allowed, and credit is only given for a sport participation in the term in which it is offered on the academic schedule. Renaissance students must complete 24 hours per academic year and juniors and seniors must have a cumulative GPA 2.00 or above to register for any Renaissance course.

PAR 131 Basketball Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 132 Baseball Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 133 Golf Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 134 Volleyball Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 135 Softball Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 136 Football Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 137 Tennis Participation (1 hour)
May be repeated for credit. Pass/fail grade only. Women's tennis is offered in the fall, and men's tennis is offered in the spring.

PAR 138 Track Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 139 Cheerleading Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 140 Soccer Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 141 Cross Country Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 142 Bass Fishing (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 143 Bowling (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 144 Cheer Dance (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 145 In Line Hockey (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 146 Swimming (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 147 Shooting (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 148 Judo (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 150 Renaissance Choir Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 151 Renaissance Band Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 152 Renaissance Drama Participation (1 hour)
May be repeated for credit. Pass/fail grade only.

PAR 160 Legacy Character Interpretation Program Participation (1 hour) May be repeated for credit. Pass/fail grade only.

Physical Education

PED 100 Martial Arts I (1 hour)
This course emphasizes the beginning physical and mental skills utilized in the martial arts. Uniform fee.

PED 101 Martial Arts II (1 hour)
A continuation of PED 100. This course provides intermediate and advanced martial arts development. Prerequisite: PED 100 or equivalent skill.

PED 105 Aqua Aerobics (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 106 Weight Training and Management (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 108 Fitness for Health (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 109 Social Dance (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 110 Aerobic Dance (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 112 Beginning Tennis (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 113 Basketball (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 114 Volleyball (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 115 Softball (1 hour)
pportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 116 Golf (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 117 Aerobics (Walking/Running) (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 120 Intermediate Tennis (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week. Prerequisite: PED 112 or equivalent skill.

PED 121 Advanced Tennis (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 122 Beginning Swimming (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 123 Intermediate Swimming (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week. Prerequisite: PED 122 or equivalent skill.

PED 124 Advanced Swimming (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week. Prerequisite: PED 123 or equivalent skill.

PED 128 Soccer (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 129 Body Sculpture (1 hour)
Opportunity for organized physical activity during college. Acquisition of knowledge and skills for lifelong physical activity; appreciation of knowledge and skills for lifelong physical activity; appreciation of the physical, social, and emotional benefits of sport, recreation, and exercise. Rules, basic skills, active participation, and regular attendance are stressed. Meets two hours per week.

PED 201 Lifeguard Training (3 hours)
Skills and knowledge required to assume the responsibilities of a lifeguard

at a swimming pool or protected (non-surf) open-water beach. Meets the requirements for American Red Cross (ARC) Standard First Aid, ARD Adult CPR, and ARC Lifeguard Training certificates. Prerequisite: PED 123 and/or pass a swimming skills test.

PED 211 Foundations of Health and Physical Education (3 hours)
Introduction to fields of health and physical education designed to give an orientation to the historical background, objectives, and philosophical foundations and their relationships to education.

PED 213 Rhythms (1 hour)
Rhythmic activities involving locomotion, non-locomotion, and manipulation of objects. Relationships between body movements and rhythmic accompaniment. Connection between movement (physical activity) and overall wellness. Micro-teaching. Prerequisite: PED 211.

PED 216 Activity Block (Golf/Soccer) (1 hour)
This course is designed to provide an overview of effective teaching strategies for prospective physical educators. Students will be provided the necessary building blocks to support the Tennessee Curriculum Standards. Skill development will be expected. Only Physical Education major field students are allowed to take this course.

PED 217 Activity Block (Volleyball/Tennis) (1 hour)
This course is designed to provide an overview of effective teaching strategies for prospective physical educators. Students will be provided the necessary building blocks to support the Tennessee Curriculum Standards. Skill development will be expected. Only Physical Education major field students are allowed to take this course.

PED 311 Fundamentals and Techniques of Football (3 hours)
Fundamentals and techniques of football, history, coaching theories of offense and defense, team organization, drills, conditioning, weight programs, and off-season duties.

PED 312 Fundamentals and Techniques of Basketball (3 hours)
Fundamentals and techniques of basketball, history, coaching and teaching methods, drills, conditioning, development of team offense and defense, team and class organization, off-season duties.

PED 313 Fundamentals and Techniques of Golf and Tennis (3 hours)
Fundamentals and techniques of teaching and coaching golf and tennis, history, coaching and teaching methods, team and class organization, drills, conditioning, types of tournaments, equipment, equalizing team and class competition.

PED 314 Fundamentals and Techniques of Baseball (3 hours)
Fundamentals, techniques, and history of coaching baseball. Coaching methods, team organization, drills, equipment, and conditioning.

PED 320 Human Anatomy (3 hours)
This course will focus on the structure of the systems of the human body, emphasizing those systems with direct and major roles in exercise performance, namely the muscular, skeletal, nervous, endocrine, cardiovascular, and respiratory systems. Same as HEA 320. Prerequisite: BIO 200.

PED 321 Kinesiology (3 hours)
Science of human motion with emphasis on analysis of motor skills. Preventative and rehabilitory exercise methods, application of physical laws, classes of levers, origins and insertions of muscles, and principles underlying movement in range of flexibility, strength, and endurance. Prerequisite: BIO 200 and PED 320.

PED 322 Physiology of Exercise (3 hours)
Functions of the systems of the human body related to muscular activity. Emphasis on cardio respiratory function, physical fitness testing, nutrition for athletes, effects of anabolic steroids and other substances, and activity in extremes of temperature and altitude. Prerequisite: BIO 200 and PED 320.

PED 331 Tests and Measurements in Physical Education (3 hours)
Statistical techniques, motor ability tests, motor fitness tests, physical fitness tests, and skills tests applicable to physical education. Includes theory and practice of test administration and application of results obtained. Prerequisite/Co-requisite: MTH 122.

PED 332 Principles of Motor Development (3 hours)
Methods in teaching social, folk, and rhythmic games to students of all ages. Understanding of motor development in children. Utilization of rhythmic games to meet developmental and academic goals. Lesson planning. Micro-teaching.

PED 333 Adapted Physical Education (3 hours)
Current trend and laws in related to special education; study of specific handicaps. Participation in motor activities which benefit balance, hand-eye coordination, special concepts.

PED 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

PED 401, 402 Senior Tutorial in Physical Education (1 hour) Learning experiences while assisting in organization of instruction of various physical education activities. Two periods required each week.

PED 413 Organization and Administration of Health and Physical Education (3 hours)

Philosophy, objectives, and values of health and physical education program from elementary level through college. Types of administrators, administrative skills, budget making, staff selection, intramural and interscholastic athletic programs, legal liability, purchase and care of equipment, facilities, and curriculum design.

PED 415 Psychology of Coaching (3 hours)
Theory and practices of coaches; responses of athletes to various coaching methods. Development of personal philosophy of coaching, coaching styles, and personalities; adjusting coaching techniques to various age groups; styles of communication; preventing coaching burnout; ethics; and developing team cohesion.

PED 416 Sports Law (3 hours)
Sports, the law, and due process. Negligence, defenses, liability, and tort. Includes sports litigation, warnings, waivers, sports violence, athletes' rights, contractual agreements and disputes, agents and arbitration, drug testing in sports, product and facility design and liability, legal responsibilities in activity and fitness centers, high risk activities and other trends and issues.

PED 460 Internship (1-12 hours)
Approved work experience in a physical education environment. Prerequisites: Consent of advisor and Academic Dean

PED 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

PED 495 Honors Project (4 hours)
Open to seniors by invitation only.

Philosophy

PHI 211 Introduction to Philosophy (3 hours)
Problems in ethics, metaphysics, and epistemology.

PHI 311 History of Philosophy I (3 hours)
Developments in philosophical thought from Thales through the Middle Ages. Prerequisite: PHI 211 or permission of instructor. Prerequisite: PHI 211 or permission of instructor.

PHI 312 History of Philosophy II (3 hours)
Developments in philosophical thought from the Renaissance to the present. Prerequisite: PHI 211 or permission of instructor. Prerequisite: PHI 211 or permission of instructor.

PHI 313 Ethics (3 hours)
Contrasting viewpoints concerning contemporary ethical issues such as war and peace, economic justice, and sexual morality.

PHI 411 Eastern Thought (3 hours)
Hinduism, Buddhism, Confucianism, Taoism, and Islam. Same as REL 411.

PHI 412 Social Philosophy (3 hours)
Values and norms which underline the social process. Impact of various philosophies on social organization. Topics include classical realism, positivism, liberalism, utilitarianism, idealism, communism, pragmatism, and existentialism. Same as SOC 412.

Physics

PHY 105, 105L Concepts in Physics (3, 1 hours)
A one-semester survey of elementary physics for liberal arts and other non-science students with minimal background in mathematics. Emphasis is on an intuitive, discovery approach to both classical and modern physics. Discussion, demonstrations. Does not fulfill requirements for major in natural science disciplines. Laboratory. Prerequisite: MTH 111.

PHY 107, 107L Physics of Sound (3, 1 hours)
This course is designed for music majors or other non-science students with a minimal background in mathematics. Topics include: measurements and units, mechanics, waves and wave motion, simple harmonic motion, musical scales, and electricity. Laboratory. Prerequisite: MTH 111.

PHY 211, 211L General Physics I (3, 1 hours)
Designed for liberal arts, biology, and health career students. Topics include mechanics, vector forces, conservation laws of momentum and energy, kinematics, & wave motion. Laboratory. Prerequisite: MTH 111, 123.

PHY 212, 212L General Physics II (3, 1 hours)
Continuation of PHY 211. Topics include rotational motion, thermodynamics, electricity and magnetism, optics, and nuclear topics. Laboratory. Prerequisite: PHY 211.

PHY 215 Digital Electronics (3 hours)
A course designed to introduce the student to number systems, logic circuits, counters, registers, memory devices, combination logic circuits, Boolean. Prerequisite: PHY 211.

PHY 216 AC-DC Circuits (3 hours)
Designed to familiarize the student with advanced principles and theories associated with AC and DC circuits. Includes the study of electronic circuits, electoral laws and formulae, and the use of test equipment in performing analysis of electrical circuits. Prerequisite: PHY 211, 215.

PHY 218, 218L Physics with Calculus, Part I (3, 1 hours).
Calculus based course designed for mathematics and chemistry majors. Topics include motion: kinematics in one, two or three dimensions, vectors, dynamics, circular and rotational motion, conservation of energy and momentum, fluids, wave motion, sound, heat, and laws of thermodynam-

ics. Problem solving requires the use of differential and integral calculus. Laboratory. Prerequisite: Trigonometry. Co-requisite: MTH 230.

PHY 219, 219L Physics with Calculus, Part II (3, 1 hours).
Continuation of PHY 218. Topics include: electricity, magnetism, electromagnetic induction and waves, light, special theory of relativity, and quantum mechanics. Problem solving requires the use of differential and integral calculus. Laboratory. Prerequisite: PHY 218. Co-requisite: MTH 231.

PHY 223 Modern Physics (3 hours)
Topics include special theory of relativity and quantum mechanics. Prerequisites: PHY 219/219L

PHY 224 Mechanics (Statics) (3 hours)
General study of force systems in two and three dimensions. Equilibrium principles developed. Vector algebra used on three dimensional systems. Centroids, second moments, and stress/strain relationships included. Prerequisites: MTH 231 and PHY 218/218L.

PHY 225 Mechanics (Dynamics) (3 hours)
Continuation of PHY 224. Topics include principles of kinematics and particle kinematics with attention to engineering applications. Vector methods used. Prerequisites: PHY 224 and MTH 231.

PHY 226 Strength of Materials (3 hours)
Concepts of stress and strain; stress-strain relations; applications including axially loaded members, torsion of circular shafts, bending of beams. Shear and moment diagrams, combined stress. Prerequisite: PHY 219 and PHY 224.

PHY 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

PHY 299, 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Approval of advisor and Academic Dean.

Psychology

PSY 111 Introduction to Psychology I (3 hours)
Introduction to the scientific study of human behavior with attention to learning, thinking, emotional life, and individual differences.

PSY 210 Introduction to Psychology II (3 hours)
Continuation of PSY 111. Includes perception, conditioning, cognitive processes, memory, language, therapy, and major theoretical approaches. Prerequisite: PSY 111.

PSY 211 Human Growth and Development (3 hours)
Focus on child, adolescent, and adult growth and development across a lifespan. Typical language, social, emotional, cognitive, and physical development will be emphasized. Common problems in these areas will be discussed. Prerequisite: PSY 111 (waived for education minors, but additional readings required).

PSY 220 – Psychology (3 hours)
This course focuses on the scientific study of human behavior with attention given to learning, learning styles, cognitive development, emotional intelligence as well as individual differences. The course will examine conditioning, cognitive processes, memory, therapies, theorists, and theoretical approaches. There will be a focus on how these concepts impact education and learning.

PSY 303 Social Psychology (3 hours)
This course focuses on how social interactions and situations influence our thoughts, feelings, and behavior. Theories and research on such topics as attitude change, persuasion, conformity, prejudice, interpersonal attraction, altruism, and aggression will be addressed. Prerequisites: PSY 111 and 210 with a grade of C or higher.

PSY 313 Psychological Statistics (3 hours)
Descriptive statistics and inferential statistics. Application of statistical techniques to the analysis and interpretation of psychological data. Prerequisite: PSY 210 or 211 or junior standing.

PSY 314 Counseling Theories (3 hours)
Introduction to counseling theories and their implications for practice. Prerequisite: PSY 111.

PSY 316 Positive Psychology (3 hours)
A scientific study of the promotion of psychological well-being. Topics will include: happiness, strengths and virtues, coping, resilience, intrinsic motivation, flow, spirituality and religiosity, interventions for well-being, psychoneuroimmunology, optimism, creativity, wisdom, and authenticity. Personal application exercises are required. Same as HEA 316. Prerequisite: PSY 111.

PSY 320 Industrial/Organizational Psychology (3 hours)
This course takes a real world approach to the work environment. It examines the complexity of work, including a multicultural component and how the now global nature of organizations is affecting business practices. Performance appraisal and management are explored as restorative factors in the day-to-day life of organizational functioning. In addition, this course examines training from both employee and employer perspectives with transfer of skill acquisition and increased productivity as measures of success. Prerequisite: PSY 211 with a grade of C or higher.

PSY 322 Contemporary Issues in Psychology (3 hours)
Applying and interviewing for jobs and graduate school, professional development, APA ethics, prevention programming, current job market at bachelor's level, the problem solving process, and grant writing will be covered. Students will complete a project focused on applying psychology in the context of rural West Tennessee. Prerequisite: PSY 111, PSY 210. Students who earn a grade of C or higher are exempt from COE 401.

PSY 330 Research Methods (3 hours)
Introduction and examination of the strategies and methods of social science inquiry presented will be: problem formation and hypothesis research design, data collection, basic analysis and interpretation, reporting and utilization of research and ethics. Experience in designing and conducting research projects. Prerequisites/Co-requisites: PSY 111, MTH 111, and MTH 202 or PSY 313.

PSY 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

PSY 411 Special Studies (3 hours)
Selected topics will be studied in a seminar setting. Topics may include the following: Autism, cultural psychology, emerging evidence-based intervention and prevention, biological psychology, psychology of religion, African

American psychology, advanced psychopathology, and social psychology. Prerequisite: PSY 111, 211.

PSY 412 Psychological Measurements (3 hours)
Theory, application, and problems of testing in school and clinical settings. Student will administer selected tests. Prerequisite: PSY 313.

PSY 413 Abnormal Psychology (3 hours)
Historical and contemporary consideration of abnormality and pathology. Etiology, nosology, and symptomatology of maladjustment. Prerequisite: PSY 210 or 211.

PSY 414 Personality Theories (3 hours)
Theories in personality and psychotherapy of Freud, Adler, Jung, Sullivan, Skinner, Dollard, Rogers, Kelly, and others. Prerequisite: PSY 210 or junior standing.

PSY 415 Cognitive Psychology (3 hours)
An introduction to the study of mental processes. Topics to be covered include a variety of cognitive processes including, but not limited to, learning, memory, perception, language, attention, and problem solving. Prerequisite: PSY 330 with a grade of C or higher.

PSY 420 Human Behavior in Social Environment (3 hours)
Exploration of how individuals are influenced by the social environment. The formation of behavior of individuals, interpersonal relationships, and groups observed for the purpose of developing the ability to explain and analyze social systems. Opportunity to integrate and apply knowledge to the human service practices. Topics to include: social perception, interaction, influence, and application. Prerequisites: SOC 111, PSY 111, 211. Same as HUS 420.

PSY 433 Research Practicum (3 hours)
Student initiated social science based research project culminating in a publication worthy research paper. Research topic must be approved by advisor, all psychology faculty, Social Science, Academic Policy Committee (acting as Research Review Board), and Academic Dean. May be repeated for credit. Prerequisite: PSY 313, 330.

PSY 460 Internship (1-12 hours)
Approved work experience in a psychologically-oriented environment. Prerequisite: Approval of advisor, all psychology faculty, Social Science, and Academic Dean.

PSY 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

PSY 495 Honors Project (4 hours)
Open to seniors by invitation only.

Religion

REL 111 Understanding the Old Testament (3 hours)
Content and interpretation of selected portions of the Old Testament.

REL 112 Understanding the New Testament (3 hours)
Content and interpretation of selected portions of the New Testament.

REL 150 Introduction to World Religions I (3 hours)
An introduction to prehistoric religions, new religions, Judaism, Christianity, Islam, Hinduism, Taoism, and Buddhism, with attention to alternative conceptions of human nature, enlightenment, community life, divinity, gender roles, and life after death.

REL 210-410 The Christian Ministry (1 hour)
Practical and theological basis for the practice of ministry in the local church with special emphasis on leading of worship, ministerial etiquette, parliamentary procedures, church policy, and preparation for ordination. May be repeated for credit. Pass/Fail grade only. Class standing at enrollment determines level.

REL 212 The Church's Ministry to Age Groups (3 hours)
Characteristics of persons at different stages of development; principles, methods, and materials for guiding religious growth.

REL 2150 Religions of the World (3 hours)
An introduction into an unfamiliar landscape where students encounter, experience, and understand the most important and memorable elements of each religion: Hinduism, Buddhism, Judaism, Christianity, and Islam.

REL 255/2550 Philosophy of Religion (3 hours)
Philosophy of Religion is an introduction to the field of religion, not an exhaustive study. It is designed to start a journey of discovery, revealing key signposts along the way. In general, theological claims made over two millennia primarily by Christian scholars will be our focus although many of the issues considered relate, as well, to the other two ethical monotheistic (sometimes called Abrahamic) religions, Judaism and Islam. These traditions have been selected because they have been central to the development of Western civilization, and because many of the significant issues to be treated here are embedded in these traditions. This course will stretch your mind, cause you to think about religion in new and revealing terms, and, perhaps, help you resolve issues that you may have encountered in life and previous study. Many times, it strengthens religious commitments.

REL 301 Foundations of Christian Education (3 hours)
This course is an exciting and deep look at the historical foundation, development, and implications of Christian Education in America. Christian education is the foundation of evangelism, because it trains men and women to administer and lead people to Christ. You will be exposed to specialized ministries, such as counseling, Single Adult Ministries, Recovery Ministries, and Christian Camping Ministries for youth and adults. This course is a must for those who work in their church as a volunteer or paid employee. You will learn how to relate generationally to the Builder, Boomer, Busters, and Bridges as you work with children and adults of all ages.

REL 302 Christian Education Curriculum (3 hours)
Program development and materials for the church's total ministry of Christian education with special emphasis on work with adults and families.

REL 303 Christian Education with Children (3 hours)
The church's ministry of Christian education for children, birth through fifth grade. Topics include: appropriate expectations; development of cognitive skills; individuation; socialization; appropriation of age-based content; effect of physical development. Prerequisites: REL 212 and 301.

REL 304 Christian Education with Youth (3 hours)
The church's ministry of Christian education for youth, ages 12-18. Topics include: early adolescence, late adolescence, individuation, development of critical analysis of beliefs and practices. Prerequisites: REL 212 and 301.

REL 305 Christian Education with Adults (3 hours)
The church's ministry of Christian education for adults. Topics include: generational challenges and issues; necessity of relevant and applicable approaches; shifting nature of family structures; expansion of service opportunities. Prerequisites: REL 212 and 301.

REL 311 Prophets of Israel (3 hours)
Prophetic literature of the Old Testament. Prerequisite: REL 111.

REL 312 Post-Exilic Literature (3 hours)
Psalms, Wisdom Literature, and later Old Testament writings, with a brief survey of the Apocrypha. Prerequisite: REL 111.

REL 313 The Gospels (3 hours)
Interpretations of Jesus and his ministry found in Matthew, Mark, Luke, and John. Prerequisite: REL 112.

REL 314 New Testament Epistles (3 hours)
Selected letters of Paul and later New Testament writings. Prerequisite: REL 112.

REL 315 Basic Christian Beliefs (3 hours)
Major doctrines of the Christian faith and their various interpretations. Prerequisite: REL 111 and 112.

REL 316 Leadership in Christian Ministries (3 hours)
Review and analysis of contemporary models of leadership within a Christian context with an emphasis upon means of discovering individual styles. Prerequisite: REL 111 and 112.

REL 318 Introduction to Homiletics (3 hours)
The examination of theologies and methods of preparing sermons fro Biblical texts. Hermeneutical approaches, oral/aural skills, rhetorical strategies, narrative and cognitive logic. In class preaching required. Prerequisites: REL 111, 112, and SAT 110.

REL 320 History of Christianity I (3 hours)
Main events in history of Christianity from the first Christian century to 1500. Major trends, leaders and movements.

REL 321 History of Christianity II (3 hours)
Main events in history of Christianity from the Protestant Reformation to the present. Major trends, leaders, and ideas from Protestantism and Catholicism.

REL 325 Book of Romans (3 hours)
An in-depth study of the Book of Romans. Since Romans is considered by many to be the most doctrinal book in the Bible, its usefulness in studying essential Christian doctrine is evident. Romans provides the learner a systematic outline of the basic tenets of the Christian faith, particularly all the facets of the doctrine of salvation.

REL 398, 498 Seminar in Christian Studies (1 hour)

An in-depth examination of current topics of interest in Christian studies. Format will include discussion groups, readings of current literature, and occasional speakers from within or without the Bethel community. Prerequisite: approval of advisor.

REL 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing and approval of advisor and Academic Dean.

REL 401 Church Music (3 hours)
Music in worship, Christian education, and the life of the church with particular emphasis on hymns and the planning of worship services. Same as MUS 401.

REL 409 Christian Worship (3 hours)
A study of the biblical, historical, and theological aspects of Christian worship with an emphasis on planning worship. Prerequisites: REL 111 and 112.

REL 411 Eastern Thought (3 hours)
Hinduism, Confucianism, Taoism, and Islam. Same as PHI 411.

REL 413 Sociology of Religion (3 hours)
Sociological processes and religion; civil religion, cult-church development, individual and corporate religion as social institutions. Religion as a social force. Same as SOC 413.

REL 460 Internship (1-12 hours)
Approved work experience drawing upon knowledge of religion/Christian education. Prerequisites: Consent of advisor and senior standing.

REL 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

REL 495 Honors Project (4 hours)
Open to seniors by invitation only.

Speech and Theatre

SAT 110 Public Speaking and Communication (3 hours)
Development of communication methods and survey of basic communication models. Emphasis on public speech preparation and presentation. Demographic identification, visual aids, research methods, composition strategies.

SAT 112 Understanding Theatre (3 hours)
Study of the world of theatre via dramatic literature; introduction of significant historic movements; discussion of life performances plus applied analysis and collaborative projects.

SAT 116 Introduction to Theatre (3 hours)
Study of dramatic literature, history, and performance with emphasis on contemporary theatre and the collaborative process. This course is designed for those students interested in pursuing theatre as a major or minor.

SAT 150-450 Tour Troupe (1 hour)
Touring performance troupe designed to represent Bethel University in functions and educational environments around the state and region. May be repeated for credit up to two hours. Class standing at enrollment determines level. Prerequisite: Audition and invitation of Director of Theatre.

SAT 180-480 Theatre Practicum (1-3 hours)
Practical experience in acting, stage craft, and associated theatre work. May be repeated for credit. Class standing at enrollment determines level. Prerequisites: Audition and invitation of Director of Theatre.

SAT 201 Acting (3 hours)
Basic body and voice training through improvisation, visual imagery and vocabulary, monologues, and scene study. Basic introduction of theatrical technology and acting techniques.

SAT 203 Stage Technology (3 hours)
Introduction to the basic elements of technical theatre: terminology of the stage, scenery and prop construction, and lighting technology. Predominantly a hands-on course, it provides a practical and authentic theatrical production experience. Each student will be required to sign up for shop hours toward work on productions.

SAT 210 Set and Light Design (3 hours)
Study of elements and processes of set design and light design for theatrical productions. Students will develop knowledge, vocabulary, and skills necessary to create set and light designs appropriate to particular theatrical literature and to design concepts articulated by a director. Prerequisite: SAT 203.

SAT 211 Costume and Make-Up Design (3 hours)
Study of elements and processes used in costume design and in make-up design for theatrical productions. Students develop knowledge, vocabulary, and skills necessary to create costume and make-up designs appropriate to particular theatrical literature and to design concepts articulated by a director.

SAT 301 Theatre History (3 hours)
Significant contributions to the world of theatre from the Greeks to present day. Prerequisite: SAT 116 or consent of instructor.

SAT 304 Voice and Diction/Movement (3 hours)
This course is designed for further exploration and development of the actor's instrument through a focused study and application of vocal production and movement. Students will learn relaxation, vocal production, characterization, observation, and improvisation, body positioning, staging techniques. Prerequisite: SAT 201

SAT 310 Special Topics in Theatre (Performance) (3 hours)
Opportunity for additional advanced work in theatre performance; mask production, improvisation, performance art, reader's theatre, narrative theatre, stage combat, children's theatre, music theatre performance. Prerequisites: SAT 116 and 201.

SAT 311 Special Topics in Theatre (Technology) (3 hours)
Opportunity for additional advanced work in theatre technology; scene design, costume design and history, lighting design, sound design, stage management. Prerequisites: SAT 116 and 302.

SAT 312 Special Topics in Theatre (Literature) (3 hours)
Opportunity for additional advanced work in theatre literature; works of a specific playwright, genre, period. Prerequisites: SAT 116 and 301.

SAT 315 Playwriting (3 hours)
Instruction in storytelling skills for writers using script format. Topics include various script forms, the basic components of scripts, and their implementation into dramatic format. Prerequisite: SAT 116, ENG 101, ENG 111. Same as 315.

SAT 321 Advanced Acting (3 hours)
Advanced training to further develop analytical, movement, vocal production, and performance skills for theatre majors and minors. Prerequisite: SAT 201

SAT 399-499 Individual Study (1-3 hours)
In-depth study of interest beyond courses in the curriculum. Prerequisites: Junior standing and approval of advisor, Academic Dean, and instructor.

SAT 401 Directing (3 hours)
Basic principles of stage directing, play selection, casting, and rehearsal; direction and presentation of selected scenes in class. Prerequisite: SAT 116, 201 and 301.

SAT 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

School of Global Studies

SGS 010. Developmental Conversational English (3 hours)
Development of pronunciation skills, question and answer techniques, and pattern drills. Students are given extensive practice in both guided and free conversation as a means to develop oral fluency. Emphasis is given to improving pronunciation and intonation skills.

SGS 100 American Culture I (3 hours)
This course explores American culture and customs as expressed in various facets of American society, such as drama, sports, art, recreation and music. Travel and student participation are integral to the curriculum and provide invaluable insights into the diversity of the world in the 21st century.

SGS 101 American Culture II (3 hours)
A continuation of American Culture I, this course explores American culture and customs as expressed in various facets of American society, such as drama, sports, art, recreation and music. Travel and student participation are integral to the curriculum and provide invaluable insights into the diversity of the world in the 21st century.

SGS 220 Foundations in Democracy (3 hours)
There is a resurgence of interest in politics and government across America. Join us as we explore the nation's capital and learn about the country's history, the intrigue of politics, and international relations. Students will gain a working understanding of leadership and democracy, which is fundamental whether choosing to be a well-informed citizen or pursue a career in public service. (Same as HIS/POL 220)

SGS 280/480 The Disney Way: A Case Study of Disney's Entertainment Empire (3 hours)
In this immersive program, students will study Disney's legendary "Chain of Excellence" which incorporates leadership excellence, people management, quality service, brand loyalty, and inspiring creativity. They will understand - and soon be able to create for their own organizations - a powerful connection between inspired leaders, motivated employees, and satisfied customers that drives financial results and repeat business. May be taken for sophomore, senior, or graduate credit.

SGS 281/481 Business Excellence (3 hours)
Students will continue their study of Disney's "Chain of Excellence," comparing and contrasting Disney's approach to leadership, people management, quality service, brand loyalty, and creativity with readings from the academic literature. Emphasis will be on finding best practices that are common to both, and applying those practices to the students' own organizations. Pre-requisite: SGS 280/480

SGS 290/490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Director

Science

SCI 100, 100L Forensic Science (3, 1 hours)
Introduction to the role of science and the law through an exploration of actual cases. Focuses on the benefits and limitations of technologies on which police rely to apprehend criminal perpetrators and to link them to crime scenes. Emphasizes selected aspects such as ABO blood groups; DNA fingerprinting; crime scene preservation and testing for the presence of blood, explosives, and gunshot residue at the scene; forensic anthropology; and laboratory investigations of forensic aspects of physical and chemical evidence, questioned documents, poisons, and drugs of abuse.

SCI 101, 101L Science and Humanity (3, 1 hours)
Threshold course in science. Emphasizes selected milestones in history of science and technology and the philosophical foundations of the development of science. Examples will be drawn from astronomy, biology, chemistry, geology, mathematics, and physics. Laboratory.

SCI 111, 111L Earth and Space Science (3, 1 hours)
Topics include astronomy, space exploration, formation of the earth, general and historical geology, mineralogy, weather and climate, oceanography, and natural resource conservation. Laboratory experiences include computer simulations, field trips, and telescopic observations. Laboratory.

SCI 115 Environmental Science (3 hours)
Investigation of the interrelationships between the biotic and abiotic environments which form the natural world. Topics include structure and function of ecosystems, the causes and consequences of human population growth, environmental pollution, and the importance of balancing utilization and conservation of natural resources.

SCI 115L Environmental Science Lab (1 hour)
Practical learning activities examining local communities, developing awareness of human impacts on environment, and exploration of environmental concerns and solutions. Co-requisite: SCI 115.

SCI 1150 Environmental Science (3 hours)
Investigation of the interrelationships between the biotic and abiotic environments which form the natural world. Topics include structure and function of ecosystems, the causes and consequences of human population growth, environmental pollution, and the importance of balancing utilization and conservation of natural resources.

SCI 415 Issues in Environmental Studies (3 hours)
A detailed examination of the scientific dimensions of selected environmental issues with discussion of the economic, political, and ethical aspects of those issues. Prerequisites: SCI 115 and 16 hours BIO and CHE courses.

SCI 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

SCI 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

Sociology

SOC 111 Principles of Sociology (3 hours)
Analysis of the basic sociological perspectives, principles, and methods used in the systematic study of social behavior. Emphasis on social institutions, social class structure, culture, socialization, personality development, crime and deviance, and social control as each interrelates in traditional and industrial societies. Additional topics include the social institutions of family, religion, education, health care, criminal justice, governance, and economics.

SOC 212 Marriage and Family (3 hours)
This course is designed to familiarize students with the various requirements necessary for future success in this program. It includes a thorough introduction to what a family is and the role of family in our society. We will

discuss common familial problems as well as solutions to those problems. We will focus on the role of communications in developing the successful family.

SOC 213 Social Issues in the Community and World (3 hours)
An opportunity to critically examine a variety of current social issues facing the individual, the community, and the world. Causes, development, and particular emphasis on alternative/policy solutions. Same as HUS 213.

SOC 214 The Family (3 hours)
The contemporary American family as a social institution; the societal and cross-cultural characteristics and dynamics that influence families; the family's relationship to other institutions; how families reinforce or change the society in which it is location; how the family operates as a systemic social organization; analysis of family roles; the nature and dynamics of marriage partner selections. Major problems facing contemporary families: premarital dynamics, family violence, dual careers, and divorce.

SOC 304 Crime and Criminology (3 hours)
Basics of the criminal justice system to include criminals, courts, law enforcement, and corrections analyzed from the standpoint of major sociological theories. Topics include: crime causation, sociological aspects of types of offenders, techniques of measuring crime, treatment of criminals, crime prevention, social control, and the role of social movements in changing the normative boundaries of society. Prerequisite: SOC 111.

SOC 306 Anthropology (3 hours)
Survey of physical and cultural anthropology. Special attention to human origins, cultural universality, cultural relativity, ethnology, and archaeology.

SOC 315 Social Gerontology (3 hours)
Detailed introduction to the demographics of the aging population in the U.S. encompassing sociological, psychological, physiological, and social focuses. Prerequisite: SOC 111.

SOC 320 Race/Ethnic Relations (3 hours)
Sociological study featuring ethnological characteristics and intergroup relationships of the dominant and subordinate ethnic groups that form American communities. Urban and rural communities examined as social systems with specific functions and interaction dynamics. Prerequisite: SOC 111. Same as HUS 320.

SOC 321 Social Theories (3 hours)
An examination of the social salt of the predominant theoretical approaches, e.g., functionalism, conflict theory, symbolic interactionism, exchange and rational-choice theories, and how they shape the construction of social reality. Prerequisite: SOC 111.

SOC 322 Urban Sociology (3 hours)
An examination of the economic, cultural, and political importance of cities in modern societies. Students will be exposed to basic concepts and research in urban sociology as well as the historical development of cities and contemporary changes in urban life. Prerequisite: SOC 111.

SOC 323 Social Stratification (3 hours)
An examination of the economic, social, and political impact of inequality and social stratification. Students will be exposed to current theoretical and empirical research related to social inequality in the U.S. and beyond and how such inequitable distribution of social resources (and sometimes basic necessities) is legitimized. Prerequisite: SOC 111.

SOC 324 Gender Issues (3 hours)
An examination of the economic, social, and political consequences of sexism and gender inequality in the U.S. Students will be exposed to basic concepts and research in feminist/womanist sociology. Prerequisite: SOC 111.

SOC 399, 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond the courses in the curriculum. Prerequisites: Junior standing, approval of advisor and Academic Dean.

SOC 412 Social Philosophy (3 hours)
Values and norms which underlie the social process. Impact of various philosophies on social organization. Topics include classical realism, positivism, liberalism, utilitarianism, idealism, communism, pragmatism, and existentialism. Same as PHI 412. Prerequisite: SOC 111.

SOC 413 Sociology of Religion (3 hours)
Sociological processes and religion; civil religion, cult-church development, individual and corporate religion as social institutions. Religion as a social force. Same as REL 413. Prerequisite: SOC 111.

SOC 414 Sociology of Deviance (3 hours)
Sociological examination of deviant ("rule breaking") behavior, i.e., crime, juvenile delinquency, mental illness, drug use, and institutional deviance, with emphasis on the critical examination of theoretical perspectives that explain deviant behavior and social control. Prerequisite: SOC 111.

SOC 422 Work in Contemporary Society (3 hours)
The course will consist of an examination of the sociological, historical, and political aspects of work within the current and dominant mode of production. Included will be an introduction to, and critique of, political economy. A special emphasis will be placed on the (non) experience of class and class-consciousness. Globalism as an ideology and post-Fordism as a process will be analyzed within the socio-economic contexts of work and consumption related phenomena. Prerequisite: SOC 111.

SOC 425 Sociology of Education (3 hours)
An examination of access to and differential benefits from formal education in the U.S. Emphasis is on the education system as part of the institutional arrangements that create privileges for some and barriers for others, perpetuating the current system of stratification and inequality in the U.S. Prerequisite: SOC 111.

SOC 460 Internship (1-12 hours)
Capstone experience in which student is placed in an agency, company, organization, or legislative setting which provides an opportunity to assume a professional role to build skills and expand expertise. Prerequisites: approval of advisor, department chair, and Academic Dean.

SOC 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

SOC 495 Honors Project (4 hours)
Open to seniors by invitation only.

Spanish

SPA 101 Spanish for Managers I (3 hours)
Spanish for Managers begins with very basic conversational Spanish for everyday situations, then moves into vocabulary that is useful for Human Resource Managers.

SPA 102 Spanish for Managers II (3 hours)
Continuation of SPA 101. Open only to MOD and/or College Start students.

SPA 111 Spanish I (3 hours)
Basic skills of speaking, listening, reading and writing Spanish.

SPA 112 Spanish II (3 hours)
Continuation of SPA 111. Prerequisite: SPA 111

SPA 211 Intermediate Spanish I (3 hours)
A study of the grammar and vocabulary of spoken Spanish, introduction to short fiction, and further practice in the four basic skills: speaking, listening, reading, and writing. Prerequisite: Spanish 112 or demonstrated proficiency.

SPA 212 Intermediate Spanish II (3 hours)
A continuation of SPA 211. Prerequisite: SPA 211.

SPA 311 Advanced Grammar (3 hours)
Intensive review of Spanish grammar. Students will develop an understanding of the deeper structures of the language and increase proficiency in four skills: listening, speaking, reading, and writing. Prerequisite: SPA 212 or permission of instructor.

SPA 312 Hispanic Culture (3 hours)
A study of Hispanic cultures and the relationship between culture and language. Prerequisite: SPA 311 or permission of instructor.

SPA 401 Hispanic Literature (3 hours)
A survey of Hispanic Literature, both American and Peninsular, to include essays, poetry, short fiction, and plays. Prerequisite: SPA 312 or permission of instructor.

SPA 421 Advanced Topics (3 hours)
Possible topics include Don Quijote de la Mancha, the Latin American Novel, Hispanic Film, Business Spanish, Teaching in a Bilingual Classroom, and Spanish/Latin American History. Prerequisite: SPA 401 or permission of instructor.

SPA 490 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Academic Dean.

SPA 499 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Prerequisite: Junior standing and approval of advisor and Academic Dean.

Graduate Level Course Descriptions

College Orientation Experience

COE 5000 Orientation to Graduate Education
(non-credit required class).
This course reviews course expectations and grading, program requirements, plan of study, graduation requirements, support services and staff, licensure requirements, etc. This requirement must be met within the first two semesters of the candidate's program.

- COE 5051 Seminar I (1 hour)
- COE 5052 Seminar II (1 hour)
- COE 5053 Seminar III (1 hour)
- COE 5054 Seminar IV (1 hour)
- COE 5055 Seminar V (1 hour)
- COE 5056 Seminar VI (1 hour)

The above courses are face-to-face lecture experiences with a subject matter expert. Topics vary.

Conflict Resolution

CR 500 Conflict Theory and Conflict Resolution (3 hours)
Philosophical and Theoretical concepts of conflict and conflict resolution are examined. Additionally, psychosocial factors are examined that can contribute to conflict and to dispute resolutions.

CR 501 Theories of Communication and Interpersonal Dynamics (3 hours)
Interpersonal, intra-psychic and cultural dynamics that contribute to conflict and can contribute to dispute resolution are explored. Communication skill development and cultural factors are center pieces of this course.

CR 502 Mediation Theory and Practice (3 hours)
Students examine theoretical framework of mediation and the function of the neutral in a variety of settings and issues. Case Studies and the impact and influence of values placed on perceived resources are a focus of this course.

CR 503 Ethics in Dispute Resolution (3 hours)
Code(s) of conduct that guide the practice and behavior of the neutral, negotiator and arbitrator are examined. Case studies and ethical dilemmas are studied to prepare the student for a variety of complex issues.

CR 504 Negotiation Theory, Practice and ADR Negotiation Principles and Practice (3 hours)
Theoretical framework for negotiation is studied and students are included in actual mediation and negotiation sessions. This course provides students with opportunities to observe the neutral in practice.

CR 505 Professional Practice Evaluation (3 hours)
Research methods principles and practices necessary for practice evaluation are studied. Additionally, data gathering and analysis is examined and prerequisite for CR 512 Thesis.

CR 506 Trauma, Crisis and Domestic Violence (3 hours)
Current data and standards of intervention are reviewed. The role of the neutral is examined. The psychological effects of emotional, verbal, physical and sexual abuse and how much experiences impact dispute and influence dispute resolution are core elements of this course.

CR 507 Conciliation and Reconciliation (3 hours)
The philosophical and practical distinctions between conciliation and reconciliation are explored. Acts of conciliation are behaviors that contribute to reconciliation. Reconciliation is the enduring healing process that promotes that promotes satisfaction in relationships in marriages, friendships, business, organizations, races and governments. The intent of this course transcends quid pro quo on win-win strategies for conflict resolution.

CR 508 Personal Injury and Product Liability (3 hours)
The course focuses on case studies and provides students with training to mediate disputes involving unresolved claims concerning services and products in various industries and professions.

CR 509 Dispute Resolution Converence (s) (3 hours)
Students will be introduced to factors that contribute to judicial disputes and the role of the Neutral in mediating impasses in adjudicated cases.

CR 510 Family Business Dispute Resolution (3 hours)
A Family Systems perspective of family business conflict is introduced to students. Standards of best practice utilized by professionals to assist families stabilize tensions or crisis are reviewed.

CR 511 Dispute Resolution with Systems of Private, Public and Higher Education (3 hours)
Case studies involving disputes regarding disciplinary actions, special education and student civil rights are studied. Practical exercises and live observation are employed in this course.

CR 512 Corporate Conflict & Executive Solutions (non-Thesis Option)
Corporations experience conflict in every department and at every level of the structure. Students study the nature of workplace conflict and the impact of leadership on the company's culture. Executive Solutions is a system of top-down conflict resolution that aids the company's top executives strategic planning for viability and sustainability.

CR 600, CR 601 & CR 602 Thesis Option (3 hours)
Students collaborate with a faculty mentor (committee chair) that guides the graduate candidate in the development of a scholarly work. The thesis is defended before a graduate committee and a successful defense is required for graduation.

Criminal Justice

CCJ 5000 Topics in Criminal Justice (3 hours)
This course is a survey of current topics in criminal justice including diversity and ethics.

CCJ 5100 Diversity in the Criminal Justice System (3 hours)
This course examines the interrelationship of race, class and gender with the criminal justice system in law enforcement and the correctional system.

CCJ 5200 Administration of Organizations in the Criminal Justice System (3 hours)
This course will provide students with the knowledge to conduct general systems based analysis of criminal justice organizations and to develop programs to improve the efficiency of such organizations.

CCJ 5300 Crime Mapping (3 hours)
This course will provide students with the theoretical, analytical, and technical skills necessary for studying crime in a geographic context. The course will involve a combination of approaches to the subject including: development of base maps, geocoding (pin mapping), hot spot and chloropleth mapping, spacial analysis and layouts including map books.

CCJ 5400 Research Methods (3 hours)
This course is designed to provide advanced social science research skills and to allow students to put those skills into practice with a required research project.

CCJ 5500 Criminal Law (3 hours)
This course is intended to provide a functioning knowledge of constitutional law as it pertains to law enforcement and criminal justice.

CCJ 5600 Criminological Theory (3 hours)
This course examines the theories of criminality ranging from classical explanations to recent paradigms.

CCJ 5700 Administration of Corrections Organizations (3 hours)
This course examines the administrative functions of correctional organizations including human resource management, budgeting, administrative structure, and safety.

CCJ 5800 Ethics in Criminal Justice (3 hours)
This course considers theories and practices in the areas of legality, morality, values, and ethics within the criminal justice system.

CCJ 5900 Homeland Security Assessment (3 hours)
This course will familiarize students with the tools necessary to conduct an assessment of an agency's overall homeland security vulnerability and develop a comprehensive homeland security plan based on the findings.

CCJ 6000 Organizational Development Project (3 hours)
This is a project-based course in which the student will identify an opportunity for organizational improvement through analysis of the chosen organization. Students will complete a literature review to identify alternatives to improve the organization and collect data to further inform the development of an implementation plan.

CCJ 6100 Human Resources in Law Enforcement (3 hours)
This course provides an examination of the role of human resource management in law enforcement and corrections organizations.

CCJ 6200 Criminal Justice Practicum (3 hours)
A 180 hour internship/externship within a functioning criminal justice agency. An experimental learning program for criminal justice students to observe, learn and participate in the daily functions and procedure of a specific criminal justice agency. Pass/Fail.

CCJ 6300 Criminal Justice Seminar (1-3 hours)
Topical seminars with leading experts in the field of criminal justice held at the Nashville campus.

Education

ECI 5103 Effective Classroom and Behavior Management (3 hours)
The course is designed to enable the teacher to perform as a manager within the restrictions of the classroom. The areas of concentration will be grouping, presentation of material relevant to the area of specialization, discipline, learning styles, teaching styles, creativity, and climate. Co-Requisite: ECI 5160.

ECI 5104 Assessments for Diverse Learners (3 hours)
Emphasis on methods of assessment that reinforce understanding of the various disciplines; including, but not limited to, performance assessments, assessment of students projects and papers, traditional exams, and observational exams.

ECI 5106 Differentiated Instructional Strategies in a Diverse Classroom (3 hours)
This course introduces assessment and curriculum design concepts that facilitate differentiation by studying design principles for assessment and using data to plan and implement differentiation of learning processes and student products.

ECI 5107 Effective Instructional Strategies in a Diverse Classroom (3 hours)
This course is an in-depth study of selected models of teaching and supporting research with emphasis on practical application in K-12 classrooms. Importance is placed on designing, applying, and evaluating instructional activities; lesson planning and lesson presentation to produce a community of learners for the diverse classroom.

ECI 5109 Advanced Curriculum Design (3 hours)
General principles and techniques for selecting, organizing, and implementing curricular design and materials in the K-12 setting.

ECI 5113 Successful Teaching Styles in a Multicultural Classroom (3 hours)
Concepts, theories, and strategies that constitute major dimensions of multicultural education. Focus on racial and ethnic groups, social class, and gender. Dimensions of multicultural education examined include content integration, knowledge construction process, prejudice reduction, equity pedagogy, and empowering school culture and social structure.

ECI 5119 Methodology for Teaching Music Education K-12 (3 hours)
A study of principles, practices, techniques, and materials for teaching music (instrumental and vocal) in the K-12 setting. Candidates will serve a minimum of 20 hours of observation. Prerequsiste: Admission to GTEP.

ECI 5120 Methodology for Teaching Secondary Education-Science (3 hours)
A study of principles, practices, techniques, and materials for teaching biology or chemistry in the (7-12) secondary school with emphasis on current research in the field.—Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5121 Methodology for Teaching Secondary Education-English (3 hours)
A study of principles, best practices, techniques, and materials for teaching English in the (7-12) secondary school with emphasis on current research in the field—Candidates will serve a minimum of 20 hours of hours of observation. Prerequisite: Admission to GTEP.

ECI 5122 Methodology for Teaching Secondary Education-Social Studies (3 hours)
A study of principles, best practices, techniques, and materials for teaching Social Studies in the (7-12) secondary school with emphasis on current research in the field—Candidates will serve a minimum of 20 hours of observation; Prerequisite: Admission to GTEP.

ECI 5123 Methodology for Teaching Secondary Education-Mathematics (3 hours)
A study of principles, best practices, techniques, and materials for teaching Mathematics in the (7-12) secondary school with emphasis on current research in the field. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5124 Methodology for Teaching Secondary Education-Physical Education (3 hours)
A study of principles, best practices, techniques, and materials for teaching Physical Education in the (7-12) secondary school with emphasis on current research in the field. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5125 Methodology for Teaching Elementary Reading Methods (3 hours)
A general study of strategies used in building and reinforcing reading skills in content areas of secondary grades. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5126 Methodology for Teaching Elementary Language Arts and Social Studies (3 hours)
This study will include lesson planning and unit planning in both language arts and social studies in the elementary (K-6) classroom with emphasis on current research in the field. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5127 Methodology for Teaching Elementary Math and Science (3 hours)
This study will focus on the design and implementation of instruction of mathematics and science in the elementary (K-6) classroom with emphasis on current research in the field. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5128 Reading Diagnosis and Remediation (3 hours)
Focuses on principles of measurement and evaluation in reading. Stresses formal and informal techniques used by the classroom teaching in assessing a child's reading potential. Candidates will serve a minimum of 20 hours of observation. Prerequisite: Admission to GTEP.

ECI 5142 Current Events that Effect the Learning Process (3 hours)
Examines current issues concerning education that could affect teaching, curriculum, families, students, teachers, administrators, school policy and school law. Emphasis placed on exploring, interpreting, and evaluating educational experiences. Participants will create new learning experiences and a knowledge base that will enable them to resolve educational and diversity issues.

ECI 5149 Cooperative Teaching (3 hours)
An advanced study of effective co-teaching models. Explores the components that form the definition of a co-teaching model, defines what a co-teaching model looks like in the classroom, examines scheduling and planning issues, and investigates the challenges of being a part of a co-teaching team.

ECI 5160 Field Experience (1 hour)
School site or school district based experience to practice and reinforce knowledge and skills in instructional leadership, teaching and learning, and curriculum and instruction in appropriate areas of school or school district operation with consideration to the individual student's career goals. A minimum of 20 hours of observation in a partnering school; this course is designed for candidates who do not have experience in the classrooms.

ECI 5162 Monitoring for the Transitional Licensured Teacher (1 hour)
The Transitional licensed teacher will receive analysis, guidance, monitoring, mentor support, evaluation, and preparation for full teacher licensure. This must be taken every fall and spring while teaching on a transitional license. Credit may not be counted toward a master's degree.

ECI 5163/EEC 5263 Reflective Professional Student Teaching Seminar (2 hours)
The seminar provides the opportunities for candidates to discuss their transition from university setting into the public school classroom setting. Students will be expected to develop skills and resources that will help them secure professional employment. Co-requisite: ECI 5164 or ECI 5165 or EEC 5254.

ECI 5164 Enhanced Student Teaching/Clinical Experience Elementary (7 hours)
This course will give the prospective teacher sustained experience in the public school classroom. In addition to teaching, the student is expected to assume other professional responsibilities that are assigned to him/her by the cooperating teacher and/or principal. The student will return to Bethel University for scheduled classes or seminars with Bethel University staff. Co-requisite: ECI 5163 OR EEC 5263.

ECI 5165 Enhanced Student Teaching/ Clinical Experience-Secondary (7 hours)
This course will give the prospective teacher sustained experience in the public school classroom. In addition to teaching, the student is expected to assume other professional responsibilities that are assigned to him/her by the cooperating teacher and/or principal. The student will return to Bethel University for scheduled classes or seminars with Bethel University staff. Co-requisite: ECI 5163 OR EEC 5263.

ECI 5190 Special Topics (1-3 hours)
A special course designed to afford learning experiences beyond courses in the curriculum. Topic of course is approved by the director of the program and identified in the published class schedule (Prerequisite –permission of the Director of the College of Education.

ECI 5193 Individual Study (1-3 hours)
In-depth study of a subject of interest beyond courses in the curriculum. Topic of course is approved by the Director of the College of Education.

EEC 5200 Survey of Children with Exceptionalities (3 hours)
Survey of educational issues related to serving individuals with disabilities as well as those considered to be gifted and talented; includes an introduction to the characteristics, etiology, classification, incidence, and learning potential of students with special needs.

EEC 5201 Giftedness (3 hours)
This course includes surveys of the history of the field, basic terminology and definitions, major models and theories, and effective program prototypes for gifted students. Students review characteristics of the gifted and talented and overview identification and assessment procedures for gifted students. Attention is given to analyzing traits of effective teachers and counselors and to developing models for interaction with gifted students.

EEC 5202 Positive Behavior Intervention (3 hours)
Systems for identifying behaviors that interfere with successful education. Referral, assessment, development and implementation of intervention plans. Social skills instruction, applied behavior analysis, family supports and medical referrals. 20 hours of field experience.

EEC 5207 Curriculum & Instruction for the Gifted (3 hours)
This course examines the differentiated affective characteristics and needs of the gifted, including a review of general counseling theories, effective communication skills with the gifted, and the assessment of affective needs. Students will develop strategies for assisting the gifted and developing social and interpersonal skills. Teaching methods and materials for gifted children will be introduced; identifying characteristics and special needs of gifted children; federal and state laws, rights, and responsibilities of special needs children. Students will design lesson plans, units, and project planning as well as participate in micro-teaching.

EEC 5208 Dyslexia (3 hours)
This course will present on overview of dyslexia, identification process and instruments, and multiple interventions. Analysis of published programs and curricula will culminate with instruction in multisensory teaching strategies based on Orton-Gillingham method.

EEC 5210 Autism (3 hours)
This course presents a comprehensive overview of how to teach students with autism spectrum disorders (ASD). The focus of this course includes understanding the characteristics of specific disorders, including autistic disorder, childhood disintegrative disorder, RETT syndrome, pervasive developmental disorder-not otherwise specified, and Asperger's syndrome. Additionally, challenges that today's educators face in reaching students with ASD and intervention strategies for implementing effective educational programs for them are addressed.

EEC 5211 Introduction to Sign Language (3 hours)
This course is an introduction to sign language with an emphasis on American Sign Language. Students will learn about the different forms of signs used currently in the United States, will be exposed to basis ASL vocabulary, grammar, finger spelling, numbers, terminology, and cultural information related to the Deaf Community. This will be accomplished through in-class discussions, demonstrations, DVDs/videos, and course readings.

EEC 5212 Mild to Moderate Disabilities (3 hours)
In depth study of the characteristics and needs of children with cognitive, emotional, behavioral and learning disorders.EEC 5213 Action Research in Special Education (3 hours) This study will focus on qualitative and quantitative educational research methods. In depth study will include topic selection, data analysis, literature review, and presentation.

EEC 5214 Teacher as Reflective Practitioner (3 hours)
This course is designed to promote reflection as a component of instructional planning and assessment to bridge the connections between planning, performance standards, and professional standards.

EEC 5215 Trends and Issues in Special Education (3 hours)
Current trends and issues in special education will be addressed through the study of court decisions, legislations, administrative decisions, and professional activities. The course will use case studies, research analysis, and Socratic discussions.

EEC 5217 Advanced Procedures (3 hours)
Development of skills in writing IEPs and other required documents for special educators. Entire referral to placement process. Instruction in EasyIEP.

EEC 5218 Communication and Assistive Technology (3 hours)
This course is designed to introduce educators to speech, language, and hearing disorders, and the effects of these disorders on communication and the ability to learn in the traditional classroom. Additionally, the use of different forms of assistive, communicative technology will be introduced.

EEC 5221 Procedural Law (3 hours)
Historical development of special education in the United States through legislation and litigation. Emphasis placed on the implementation of key legislative aspects in public school settings, teacher responsibilities to students/parents.

EEC 5222 Secondary Methods for Exceptional Learners (3 hours)
Curriculum planning, teaching, and evaluation practices for grades 7-12; emphasis on characteristics and needs of all secondary students, including students diverse in race/ethnicity, language, or special needs, through a variety of instructional techniques, including reading and mathematic skills in the content area. Unit and lesson development using Tennessee and National standards.

EEC 5225 Tests and Measurements (3 hours)
Candidates will be involved in the study of current psycho-educational assessment practices and issues. Candidates will become familiar with educational and psychological tests especially those used in special education for special education for diagnostics and planning.

EEC 5226 Elementary Methods for Exceptional Learners (3 hours)
Instructional strategies and techniques for working with students with disabilities in inclusive classrooms (grades K-6) and individualizing the general education curriculum; fieldwork project included in which they assess students with disabilities, develop individualized education programs, and demonstrate the program's effectiveness with performance-based assessment information. Field experience required.

ECI 5248 Special Populations (3 hours)
Provides an overview of the needs and issues that impact at-risk students. Participants will gain differentiated skills necessary in teaching students with disabilities, students of poverty, students learning beyond grade level, and English language learners.

EEC 5249 Cooperative Teaching (3 hours)
This course focuses on learning how to successfully co-teach in the classroom and understand co-teaching practices that lead to successful collaboration including develop meaningful and appropriate lesson plans that help enhance and implement an effective co-teaching experience. The course will review the main concepts of co-teaching with reference to technology as a means of facilitating the co-teaching process.

EEC 5264 Enhanced Student Teaching/Clinical Experience K-12 (7 hours)
This course will provide the prospective teacher sustained experience in the public school classroom. In addition to teaching, the student is expected to assume other professional responsibilities that are assigned to him/her by the cooperating teacher and/or principal.

EEC 5263 Reflective Professional Student Teaching Seminar (2 hours)
This seminar provides the opportunities for candidates to discuss their transition from the Bethel University setting into the public school classroom. Candidates will be expected to develop skills and resources that will help them secure professional employment.

EFT 5000 Historical Foundations and Current Issues in Education (3 hours)
Historical, philosophical, and sociological foundations of education in the U.S.; analysis of current societal and legal issues affecting education today within the appropriate grade level.

EFT 5001 Advanced Educational Psychology (3 hours)
An advanced study of the physical, emotional, social, and cognitive characteristics of children within grades K-12.

EFT 5002 Computer and Modern Technology for Educators (3 hours)
A projects-based course in instructional technology which provides learners with the opportunity to enhance their skills and understanding of the use of varied media (e.g., electronic mail, electronic spreadsheets, HTML authoring systems, presentations of software, etc.) to present, record, and share information.

EFT 5005 Methodology of Educational Research (3 hours)
A study of procedures used to locate sources of information. Use of various research methods to collect, organize, analyze, and interpret data and apply results.

EFT 5015 Legal and Ethical Issues in Education (3 hours)
A study of the laws, court decisions, codes of ethics, and ethical issues has direct implications on the school's teacher, counselor and administrator in the professional setting.

EFT 5022 Alternative Strategies in Learning (3 hours)
Educators will develop and articulate their own theories of learning after examining carefully and critically, the prevalently existing and competing theories of learning. The study of motivation and its effect on learning, including the use of teaming, understanding of the brain's functions, different and alternative strategies in learning and teaching, and classroom management will be covered.

EFT 5034 Organizational Development in the Educational Setting (3 hours)
This course explores a working understanding of facilitating a successful structure and system analysis of a school's organization that will yield improvement and performance.

ELA 5332 Instructional Leadership and Program Improvement (3 hours)
A study of content, topics, and competencies required for instructional leaders to enhance student achievement and school success and foster a culture of high expectations for all stakeholders.

ELA 5355 Field Experience in Administration & Supervision (3 hour)
School site or school district based experience to practice and reinforce knowledge and skills in instructional leadership, administration, or supervision in appropriate areas of school or school district operation with consideration to the individual student's career goals.

ELA 5333 Budgeting, Accounting, Facilities Management (3 hour)
Provides the philosophical basis and practical applications of school finance along with the planning, design, revalidating and construction of new educational facilities and/or the rehabilitation, remodeling or modernization of existing facilities. Topics covered include accounting, information systems, personnel funding, budgeting, plant maintenance, risk management, strategic planning and operation and maintenance programs.

ELA 5337 Education Ethics (3 hour)
A study of decision-making within an ethical context that protects the rights and responsibilities of all school constituents in today' diverse society.

ELA 5330 Leadership Strategies (3 hour)
A study of content, topics and competencies required for instructional leaders toward fostering a culture of high expectations.

Healthcare Administration

HCA 501 Healthcare Administration (3 hours)
This course is designed to help students gain a conceptual framework and the practical applications of such skills within a health care setting. Best practices for health care administration are analyzed, along with sound business practices from management theory. Strategic planning, policies, objectives, change management and organizational strategy will be covered in this fundamental course. The relationship between consumer (patient) and business (practitioner) will be analyzed.

HCA 511 Healthcare Financial Management (3 hours)
This course will examine systems and uses of accounting and financial planning with an emphasis on the healthcare organization, including planning and control. The course will include an analysis on financial decision making, using quantitative techniques to make sound decisions in accounting, and general financial planning for healthcare organizations. Included in the course will be an overview of the analysis of financial statements, reporting, ratios, and budgeting for health care businesses. Some emphasis will be placed on budget preparation and cost benefit analysis from a managerial perspective.

HCA 521 Healthcare Information Technology (3 hours)
Present the practical use of technology in the medical practice. Identify the most common uses of technology in the field of health care and how best to deploy and architect systems. Understand the role of Health Information Management in the health care business, and the use of Electronic Medical Records in health care organizations. Identify and analyze the role of information technology workers specifically to the health care setting, and the implication of security and privacy as it pertains to secure electronic communications in the health care field.

HCA 531 Healthcare Policy Analysis and Decision-Making (3 hours)
The emphasis of this course is the role of government in health care policy, the US health care system, costs of healthcare, and an analysis of the ethical and business implications of social welfare. The course will emphasize current trends in economic and social issues along with efforts to revise the

system. Students will benefit from a deeper understanding of the political, economic and social issues affecting health care businesses and how decisions are impacted as a result.

HCA 541 Human Resource Administration In Healthcare (3 hours)

This course will take a unique look at the issues impacting human resource management in health care businesses, including physician relations, labor relations, recruitment and retention, development of staff, malpractice concerns, governance and compliance of health care workers. This course is designed to help students gain conceptual framework in developing quality systems and executing organizational strategies in a healthcare setting. Quality management tools will be examined and blended with strategic planning tools (collaboration of PDCA and dashboards, balance scorecards, metrics) to ensure integration of organizational strategy and continuous process improvement programs. Students will gain knowledge of identifying organizational barriers, developing action and prioritization plans, decision-making and change management, gaining efficiencies, and how to implement and execute strategic plans.

HCA 551 Leading Healthcare Organizations (3 hours)

This course provides students with an overview of understanding current healthcare trends with leadership challenges. In this course, students will gain knowledge in collaboration of leadership and accountability to offer organizational success. The students will discover the servant leadership model in gaining organization efficiencies and managing healthcare professionals, technology demands, change management, and best practices. Students will gain a broad perspective of leadership and an introduction in quality systems management and strategic planning. This course is a predecessor to Quality Strategic Planning and Execution.

HCA 561 Quality Strategic Planning and Execution In Healthcare (3 hours)

Prerequisite: Leading Healthcare Organizations. This course is designed to help students gain conceptual framework in developing quality systems and executing organizational strategies in a healthcare setting. Quality management tools will be examined and blended with strategic planning tools (collaboration of PDCA and dashboards, balance scorecards, metrics) to ensure integration of organizational strategy and continuous process improvement programs. Students will gain knowledge of identifying organizational barriers, developing action and prioritization plans, decision-making and change management, gaining efficiencies, and how to implement and execute strategic plans. The prerequisite to this course is Leading Healthcare Organizations.

History

HIS 5400 U.S. Historiography to 1865 (3 hours)
This course examines the history and historiography of the United States from contact with Native Americans through the Civil War. Students will gain an understanding of the historical events and periods as well as a mastery of the historiography of this period.

HIS 5401 U.S. Historiography since 1865 (3 hours)
This course examines the history and historiography of the United States from the Gilded Age to the present. The first part of the course will focus on the major debates and historical works of American history since 1877. Students will gain an understanding of the historical events and periods as well as a mastery of the historiography of this period. We will pay particular attention to the shifts in interpretations of modern U.S. history when we take into account the historical categories of race, class, gender, sexuality, and age. The second half of the course will focus on the activities of professional historians, the research process, and the theoretical underpinnings of historical work.

HIS 5402 Europe in the Long Nineteenth Century (3 hours)
This course will offer students an introduction into the historiography of Europe from the time of the French Revolution to the conclusion of World War I. Each week, students will study historical interpretations of some of the most influential events of the time period. This includes the causes of the French Revolution, industrialization, the political transformation of Western Europe, nationalism, imperialism, and the causes of World War I.

HIS 5403 The Atlantic World (3 hours)
This course will explore the colonization of the New World from contact through the Age of Revolution at the close of the 18th century. Students will examine important works focusing on the development of slavery, mercantilism, and contact with native peoples, and the beginning of the end of slavery in the Americas – the Haitian Revolution. Students will examine how the empires rose and fell in the New World.

HIS 5404 Early American Republic (3 hours)
This course examines the emergence of the United States in its early days. It focuses on the development of the Constitution, expansion of the nation, the emergency of free market capitalism, and the other debates of the founding fathers following the Revolutionary War.

HIS 5405 Women and Gender in the U.S. Colonial Era to the Present (3 hours)
This course examines the history of women's personal, social, cultural, political, and economic lives in the United States from the colonial period to the present. Themes include: work and the sexual division of labor, gender, and the meaning of the politics, and family and personal life. In addition to exploring women's everyday lives, we will investigate the cultural ideas about women by investigating the diversity of women's experiences within the social context of social and political gender systems.

HIS 5406 The Era of World War II (3 hours)
This course will examine the ways in which historians have interpreted the events surrounding World War II. Each week, students will study historical interpretations of some of the most influential events of the time period. This includes the effects of the Treaty of Versailles, the rise of fascism and Nazism, the effects of the Great Depression in Europe, appeasement, the military conflict between the Allied and Axis forces, and the origins of the Holocaust.

HIS 5407 African American Historiography 1619-Present (3 hours)
This course explores the African American experience from the arrival of the first Africans in Jamestown in 1619 through the 20th century. The course will examine how scholars have struggled to balance the agency of the enslaved with the harsh realities of the day to day lives of the enslaved. The course will also examine the African American experience beyond slavery and explore the ways African Americans defined freedom, adapted, survived, and ultimately thrived in bleak conditions in the U.S. in the late 19th century and 20th century.

Human Resource Management

HRM 500 Human Resource Management: An Overview (3 hours)
This course will present a study of the technical functions of HRM. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Therefore, this course will explore the challenges facing the human resource management (HRM) professional, as well as specific focus on the role of managers in the administration of human resource activities. These challenges will include technical functions such as recruitment and selection, training and development, design, administration of compensation and benefits plans, collective

bargaining, and initiatives like quality-of-work life programs as well as how HRM works toward organizational goals in a time of rapid change.

HRM 508 Employee Relations (3 hours)
This course presents an applied study of significant legal issues in labor and employment law including labor-management relations, wage and hour laws, retirement, welfare and privacy laws that prepare future managers, supervisors, and business owners for responsibilities in management-employee relations. In addition, an examination of managerial issues affecting development of labor relations policy will be explored. Topics to be examined include the impact of public policy, negotiation, and administration of collective bargaining agreements, the NLRB and arbitration cases. The role of managers in ethical decision making will also be reviewed.

HRM 516 Workforce Planning and Staffing (3 hours)
This course will present a comprehensive approach to identifying viable workforce planning and employment strategies in an effort to assist the organization in meeting its strategic goals and objectives. Topical areas to be covered include: workforce planning, sourcing strategies, succession planning and retention and employee exit programs. The course will also cover specific topics related to job analysis and design.

HRM 524 Total Rewards: Compensation and Benefits (3 hours)
This course is designed to focus on Total Rewards Systems related to direct and indirect compensation systems. The content of the course will focus on how to develop/select, implement/administer, and evaluate compensation and benefit programs that support an organization's strategic goals and objectives. This course will also provide greater insight and knowledge of legislation that affects all elements of a Total Rewards System. The payroll function and its role in the administration and compensation and benefits programs will be presented. Evaluation methods that can be used to assess the effectiveness of a Total Rewards System will also be examined.

HRM 532 Performance Management In Organizations (3 hours)
This course will address the entire range of topics associated with managing the human asset to realize and sustain optimal levels of performance. Topics will include appraisal systems, change management models, adult learning theories, individual versus team performance, organizational development, and managing a diverse workforce. Various aspects of the corporate training and development function, training program design and development of various methods and media for training delivery, as well as return on investment outcomes, will be explored. In addition, this course

will also examine the development of systems that will provide highest levels of both personal and professional development and growth within the organization; creation of promotional and cross-functional systems that will talent strength the organization; development of retention strategies that tie rewards to performance of talent; creation of workforce planning systems that will provide succession planning of best talent within the organization; and utilization of technological systems to support these functions within human resources planning will be presented.

HRM 540 Risk Management (3 hours)
This course is designed to focus on the importance of Enterprise Risk Management in today's evolving business climate. The primary framework and key aspects of workplace health and safety, security, and privacy issues, as well as legislation and organizational measures will be presented. In addition, the course will provide insight to the development of HR policies and procedures to determine organizational risk areas and evaluation methods to identify program effectiveness.

HRM 548 Strategic HR (3 hours)
This course will present the role of human resources from a strategic perspective. Topics will assess managing human resources as a strategic organizational asset that supports competitive advantage and major strategic objectives. HRM as an integral partner in a firm's strategic planning and implementation, in terms of external environmental and internal exigencies, will be presented. HR planning and strategies and their applications in HR programs and processes will also be examined. Students will also learn how to develop alignment among vision, strategy and values in the development of a paradigm basted upon competencies required for enhancing the business results of a company or government agency. In addition, this course will also address how to build measurement strategies for all HR activities so that the impact can be determined. A value-added approach will be taken so that HR practitioners will be able to exhibit an understanding of the business strategies, impact and outcomes that assess aspects that influence organizational quality, productivity, services, and profitability. HR will be assessed as a system within a system. Students will learn how to position HR as a strategic partner to realize organizational competiveness in a global environment.

MBA 502 Organizational Behavior (3 hours)
This course will present a comprehensive approach in which total organizational effectiveness is conceptualized, measured, and realized in practice through the understanding of individual and team behavior/effectiveness. It will also explore how improvement can be initiated, managed, and sustained throughout the organization.

MBA 504 Organizational Development (3 hours)
An advanced application of general systems theory to the organizational environment. Students will conduct a system and structure analysis of their organization and present an analysis of the organization reflecting an extensive literature review. A plan to substantially improve some aspect of the organization's performance will be developed.

MBA 506 Managerial Economics (3 hours)
This course will take an economic perspective to answer why managers and organizational leaders need to understand and interact with the external environment in order to survive and succeed in a continually changing and globally competitive world. Looking at "the big picture," this course presents basic tools that economists use to analyze that environment. This course will culminate with the student completing an economic audit of an organization.

MBA 511, MBA 512, MBA 513, MBA 541, MBA 542, MBA 543 Seminar I, II, III, IV, V, VI (3 hours)
Offered at regional satellite campuses, the seminar provides a structured opportunity for interaction between students and faculty. Seminars will include presentations from subject matter experts and students, as well as workshops and meetings between faculty and students. One credit hour per term for terms I, II, III, IV, V, and VI.

MBA 514 Statistical Analysis (3 hours)
This course involves the development of understanding the methods of statistical analysis and their usefulness in making business decisions in organizations. The course will cover tools for data collection, research methodology, presentation of data and data analysis related to managerial decision-making.

MBA 516 Business Ethics (3 hours)
This course will begin by examining the meaning of ethics through the review of several philosophical approaches. Students will identify internal and external stakeholders affected by ethical decision making. The course seeks to help develop an awareness and appreciation for ethical consideration in personal and professional decision making. The content of this course is designed to expand critical thinking and to analyze how individual and business decisions affect our society.

MBA 518 Management Information Systems (3 hours)
This course will examine knowledge management as a topic related to organizational decision-making. Students will examine the application of computing technologies as tools for developing and conveying domains of knowledge effectively by using diverse computing methods to gather, process, and present knowledge and information to enhance the learning process.

MBA 520 Marketing Management (3 hours)
A course designed to focus on the importance of modern organizations being market driven and globally competitive. The course examines the role of marketing through the discussion of comprehensive marketing concepts and case analysis better equipping managers to make decisions.

MBA 522 Strategy and Managerial Decision-Making (3 hours)
This course will expose the adult learner to the examination of strategic processes that influence and determine the direction of an organization. Students will analyze the organizational mission and objectives, identify organizational strengths and environmental opportunities, examine the components of competitive advantage, and develop strategies and policies to achieve the organization's mission. Students will complete analysis of current organizations and/or case studies.

MBA 524 Managerial Accounting (3 hours)
The use of accounting tools as a source of data for managerial decision making including cash flow, general accounting ledgers, income, financial position, cash, receivables, investments, inventories, liabilities, reconciliation and financial statements.

MBA 528 Managerial Finance (3 hours)
This course will use financial management as a tool for observing current financial positions of an organization through the analysis of financial data such as cash flow, profit & loss reports, and financial statements. This course is also designed to assist managers while strategically making decisions to improve the future financial position of an organization using tools such as the time value of money, risk and rates of return, stocks, and budgeting.

MBA 530 Human Resource Management (3 hours)
The management of an organization's human resources can be challenging. This course provides an overview that addresses challenges such as recruitment and selection, training and development, as well as performance appraisals and compensation administration. Additionally this course incorporates a manager's perspective of HRM relative to the strategic planning process.

MBA 532 Leadership (3 hours)
This course assists students in fulfilling their effective leadership potential through the examination of historical and contemporary theories. We will address questions such as: What does the 21st century leader need to know in order to motivate followers? What are the relationships between leaders and followers? What is the difference between management and leadership?

MBA 534 International Business (3 hours)
This course is a study of the principles and theories of business in a global environment. Graduate students will learn a systematic, logical way of thinking about the context of conducting business in a global environment. This is an introductory course in international business. The basic content of the course includes (1) an overview of the means of conducting international business with an emphasis on what makes international business different from domestic; (2) the effects of social and cultural systems within countries on the conduct of international business; (3) the major theories explaining international business transactions and the institution influencing those activities; (4) the ethical environment of international business; (5) the dynamic interface between countries and companies attempting to conduct foreign business activities; (6) corporate strategy alternatives for global operations; and (7) the importance of regional economic integration. The course involves in-depth reading and writing from leading texts, journals, and popular literature in the field of international business as well as considering the companies, institutions, organizations, and individuals impacting the field today.

MBA 601 Organizational Development Project I (3 hours)
The Organizational Development Project provides executive track students with the opportunity to analyze, develop, and implement a project that will substantially improve an aspect of the organization's performance. During the first term, the student will conduct a system and structure analysis, review the current literature, and identify a research strategy to determine whether implementation of an intervention improved organizational performance.

MBA 602 Organizational Development Project II (3 hours)
The Organizational Development Project provides executive track students with the opportunity to analyze, develop, and implement a project that will substantially improve an aspect of the organization's performance. During the first term, the student will conduct a system and structure analysis, review the current literature, and identify a research strategy to determine whether implementation of an intervention improved organizational performance.

Management of Information Technology

MIT 501 Management of Information Technology (3 hours)
This course will focus on the major issues involved in managing and leading information technology (IT) groups in today's global marketplace. With a complicated technology structure and more accessibility than ever, it's vital that students have an overview of the issues facing technologists today. Topics to be covered are project management in a rapidly changing marketplace, support systems for management, the role of IT in a modern business, the changing face of technology and the operational steps to successful IT management. The course will use many case studies and resources to help learners grasp the concepts of the connection between core competencies in business and information technology.

MIT 511 Enterprise Information Security (3 hours)
The objective of the course is to explore the vital topic of information security within the context of business organizations. Topics to be studied will include information security management within a local network, information security management outside of a corporate network, the most common causes of information security breaches, contingency planning, security policy and program requirements, risk mitigation, legal and compliance issues, and project management security. Also, analyzed will be the methods used to secure personnel and customer information in a web-based society. Topics covered will also include threat identification at the

network layer, awareness of security breaches and appropriate response, creating an architecture secure for customers and the basic requirements of disaster recovery plans.

MIT 521 Managing IT Professionals In Dynamic Organizations (3 hours)

IT professionals face unique situations regardless of their position within a business. Therefore management styles deemed successful in traditional work structures may not be as effective within the fast paced demands of high tech critical sectors. This course will look at the behavioral characteristics of the IT professional in order to ascertain which leader behavior style is most effective in the truly different world of the IT professional. The course is heavily centered on providing students' up-to-date IT leadership best practices as they apply to dynamic and rapidly changing organizations. The course will discuss best practices as they apply to face-to-face IT leadership and to "virtual" IT leadership environments.

MIT 531 Service Oriented Architecture Concepts (3 hours)

This course introduces the graduate student to "Service Oriented Architecture" (SOA) and - Middleware, which presents an enterprise architecture framework made up of components that enforce interoperability and loose coupling between dissimilar information systems. The student will understand and explore both technical and organizational issues and how to deal with conflict between the two using design principles and industry-standard organizational models. SOA systems as well as practical hands-on programming of a distributed Web Service based system are addressed.

MIT 541 E-Business and Online Commerce (3 hours)

Students will learn about internet-focused business models and the role technology plays in developing and integrating social media and web based information into an organization. Explored in the class are issues surrounding privacy, marketing, architecture, ethics, business models and internal and external user participation in the new forms of communication. Telecommuting will be addressed (risks and benefits) and the impact of regulation on advancement will be explored. Common methods to create and secure ecommerce platforms will be identified and analyzed in the course and examples of successful and unsuccessful models will be studied.

SGS 580 The Disney Way: A Case Study of Disney's Entertainment Empire (3 hours)
In this immersive program, students will study Disney's legendary "Chain of Excellence" which incorporates leadership excellence, people management, quality service, brand loyalty, and inspiring creativity. They will understand - and soon be able to create for their own organizations - a powerful connection between inspired leaders, motivated employees, and satisfied customers that drives financial results and repeat business.

SGS 581 Business Excellence (3 hours)
Students will continue their study of Disney's "Chain of Excellence," comparing and contrasting Disney's approach to leadership, people management, quality service, brand loyalty, and creativity with readings from the academic literature. Emphasis will be on finding best practices that are common to both, and applying those practices to the students' own organizations. Pre-requisite: SGS 580.

SGS 590 Special Topics (1-3 hours)
A special course developed to afford learning experiences beyond courses in the curriculum. Topics for the course require approval of the Director