

Course Descriptions

ACCOUNTING

Prior to enrolling in an Accounting course, students must address any needs for developmental work in mathematics and English by taking MAT* 075 and ENG* 073.

Regular written homework is required in all Accounting courses. Students must achieve a "C-" or better in an Accounting course to continue to the next level.

The college offers instructional labs for Accounting students who wish to avail themselves of the opportunity to confirm homework, seek help with practice sets, or receive tutorial help in a difficult area of study. These labs are subject to available funding.

ACC* 100: BASIC ACCOUNTING 3 CREDITS

An introductory course for non-Accounting majors, and owners and managers of small businesses. Covers the basic structure, concepts, and principles of accounting, and correct use of accounting terminology. The practical aspect of accounting is emphasized through recording, classifying, and summarizing the financial information that flows within a business enterprise. The accounting cycle, including statement presentation, is examined along with such areas as sales, purchases, cash, receivables, and payroll. Supplemented with software applications. This course is not open to students who have completed ACC* 115 or higher, with a grade of "C-" or better.

Prerequisites: None

Offered: Not regularly offered

ACC* 108: PAYROLL ACCOUNTING 3 CREDITS

This course will provide accounting students with an overview of the responsibilities of a payroll specialist and the importance of the payroll operations in a business. It will provide the student with an essential understanding of payroll accounting laws, regulations and methodology. Other topics covered are the need for timely and accurate payroll data as a key part of the management function, tax rules, tax rates and tax reports. In this course, students will have hands-on experience aided by technology that utilizes the latest payroll accounting software.

Prerequisites: ACC* 100 or ACC* 115

Offered: Not regularly offered

ACC* 115: FINANCIAL ACCOUNTING 4 CREDITS

Designed as an introduction to the accounting theory necessary to understand basic accounting practices; to read, analyze, and interpret financial statements; and to

make informed business and financial decisions.

Prerequisites: None

Offered: Fall, Spring, Summer

ACC* 118: MANAGERIAL ACCOUNTING 4 CREDITS

An introduction to the basic concepts needed to select and use accounting information necessary for managerial decision making. Students learn how managers plan for the operations of their business, assess how effectively their plans are being implemented, control operations, and use accounting data to make internal decisions. **Prerequisite:** ACC* 115 with a grade of "C-" or better

Offered: Fall, Spring

ACC* 123: ACCOUNTING SOFTWARE APPLICATIONS 3 CREDITS

A hands-on course in accounting information management that demonstrates the accounting uses of spreadsheet software. Students learn the major components of spreadsheet software for accounting including macros, graphics, and database manipulation. Students build real-world accounting models in each of the three components utilizing print options, function commands, and file manipulation. Recommended prior to taking ACC* 275.

Prerequisites: ACC* 100 or ACC* 115 with a grade of "C-" or better.

Offered: Spring

ACC* 233: PRINCIPLES OF COST ACCOUNTING 4 CREDITS

Presents the principles involved in determining the cost of manufacturing an article and covers job order cost, process cost, and standard cost accounting. Uses of cost accounting information in the determination of management decisions are studied through cost analysis. Joint costs, by-product costs, the nature of the master budget, direct and absorption costing, and break even analysis are examined.

Prerequisites: ACC* 118 with a grade of "C-" or better

Offered: Fall

ACC* 241: FEDERAL TAXES I 3 CREDITS

This course is primarily concerned with the federal tax structure and the preparation of individual income tax returns and related schedules. Practice is supplied through problem solving. A class project may be assigned.

Prerequisites: None

Offered: Spring

ACC* 275: PRINCIPLES OF INTERMEDIATE ACCOUNTING I 4 CREDITS

The primary concern in this course is the application of concepts and principles to financial statement analysis with emphasis on theory, classification, and evaluation of assets and liabilities. Current changes in the Generally Accepted Accounting Principles (GAAP) are studied where applicable. This course is supplemented by the use of spreadsheet software for problem solving.

Prerequisites: ACC* 118 and either ACC* 123 or CSA* 135, all with a grade of "C-" or better

Offered: Fall

ACC* 276: PRINCIPLES OF INTERMEDIATE ACCOUNTING II 4 CREDITS

The study of the theoretical aspects of liability and related expense recognition, shareholders' equity, and financial statement preparation and analysis. Major emphasis is placed on the analytical process, and the use of interpretation of financial data. Spreadsheet and accounting software are sometimes used for problem solving.

Prerequisites: ACC* 275 with a grade of "C-" or better

Offered: Spring

ACC* 294: INTERNSHIP IN ACCOUNTING 3 CREDITS

This course combines a classroom seminar with on-the-job work experience, to provide a vital link between classroom theories and ideas and the world of work. Assignments may be in private, public, or non-profit organizations in areas such as manufacturing, retailing, personnel, accounting, service or governmental organizations, or finance. This experience will enable students, under supervision, to integrate experience with theoretical knowledge. Each credit earned requires 40 hours of work placement. In addition, six classroom seminar periods are required during the semester, where students will establish learning goals for the work assignment, discuss work-related issues, and career development in their field. Students must complete their work assignment, attend the seminars, and complete their required course papers in order to receive credit for the course.

Prerequisites: Minimum of 21 credits completed in program and permission of instructor. Graded pass/fail.

Offered: Not regularly offered

ANTHROPOLOGY

A grade of C- is the passing grade for prerequisites in this category unless otherwise noted.

ANT* 101: INTRODUCTION TO ANTHROPOLOGY 3 CREDITS

This survey course is primarily devoted to cultural anthropology, emphasizing the study of culture and social

institutions through a comparative examination of non-literate peoples, early civilizations and modern societies. Less emphasized is the study of human evolution and the effects of cultural and biological factors in that evolution.

Prerequisites: None

Offered: Fall, Spring

ANT* 111: ANTHROPOLOGY OF WOMEN 3 CREDITS

A historical, cross-cultural study of the role of women. The course examines women's social, political, and economic positions in both primitive and industrialized societies, and traces the evolution of the status of women from pre-history to modern times. The mythologies of primitive and ancient peoples are also examined for clues into the nature of the female's role.

Prerequisites: None

Offered: Spring

ART

All ART* courses satisfy the Fine Arts requirement.

ART* 100: ART APPRECIATION 3 CREDITS

This course explores the constantly changing world of art, discovering how this form of expression is defined and the varied ways in which it can be appreciated. The study of the individual elements and principles that constitute a work of art is undertaken in this exploration of creativity. Visits to galleries, studios, and museums are an integral part of the course, as are artist videos and websites, class discussions and written assignments.

Prerequisites: None

Offered: Fall, Spring, Summer, Winter

ART* 101: ART HISTORY I 3 CREDITS

An examination of painting, sculpture, architecture, and graphics from pre-history to the Renaissance. Gaining an understanding of art from these periods and an awareness of its historical significance are emphasized. The study of art is approached through slide lectures, discussions, papers, and gallery/museum visits.

Prerequisites: None

Offered: Fall, Spring, Summer

ART* 102: ART HISTORY II 3 CREDITS

An examination of painting, sculpture, architecture, and graphics from the Renaissance to the present. Gaining an understanding of art from these periods and an awareness of its historical significance are emphasized. The study of art is approached through slide lectures, discussions, papers, and gallery/museum visits.

Prerequisites: ART* 101 is NOT required for this course

Offered: Fall, Spring, Summer

ART* 111: DRAWING I 3 CREDITS

This studio course covers the basic elements, media and processes of drawing within a hands-on studio context. Composition, value and perspective are addressed.

Extensive drawing from still-life, landscapes and reproductions will emphasize development of students' manual and perceptual skills.

Prerequisites: None

Offered: Fall, Spring, Summer

ART* 112: DRAWING II 3 CREDITS

This course will explore in a more complex manner the objects, principles, and media as presented in ART* 111: Drawing I. Greater emphasis will be placed upon the development of personal drawing styles and the expression of individual feelings toward a variety of subjects and themes. (*Note: This course was previously known as ART* 215 - Illustration. Students can take either ART* 112 or ART* 215 for credit, but not both.*)

Prerequisite: ART* 111

Offered: Spring

ART* 123: DESIGN I 3 CREDITS

The theory and practice of design principles within a hands-on studio context. Texture, figure and ground, value, color, perspective, movement, space, motion, and mass will be addressed. An understanding of, and an ability to control, these elements and principles of design will be emphasized.

Prerequisites: None

Offered: Fall

ART* 131: SCULPTURE I 3 CREDITS

A studio course in the principles, techniques, and materials of sculpture. Processes include metal fabrication/welding, casting, plaster, wood, and found objects, among others. Students will concentrate on controlling sculptural media and examining the fundamentals of three-dimensional design.

Prerequisites: None

Offered: Fall, Spring

ART* 151: PAINTING I 3 CREDITS

A studio course in the technical and aesthetic fundamentals of painting, covering the selection and use of materials, basic color theory, and realistic and expressive paint handling. Students will work in both traditional and experimental painting styles.

Prerequisites: None

Offered: Spring

ART* 167: PRINTMAKING I 3 CREDITS

This studio course covers all phases of the printing process from the preparation of the screen, block or plate to the printing of an edition of works. The three basic approaches to printing: relief (raised surface), intaglio (recessed surface), and lithography (flat surface) are utilized in the creation of individual works of art.

Prerequisites: None

Offered: Fall, Spring

ART* 250: DIGITAL PHOTOGRAPHY 3 CREDITS

A hands-on studio based introduction to digital photography as a fine art and a means of communication. Topics include camera handling and creative controls, image editing and manipulation using Adobe Photoshop, and photographic history and theory. Through lectures, readings, slide presentations, videos and assignments, students will be introduced to the basic vocabulary, concepts, tools and expressive possibilities of digital photography. It is recommended that students have their own camera. *This course satisfies the Fine Arts requirement.*

See also DGA* 128.

Prerequisite: None

Offered: Fall, Spring

ASTRONOMY

AST* 101: PRINCIPLES OF ASTRONOMY 3 CREDITS

This course is an introduction to descriptive astronomy. Topics include understanding the earth and its motions; the moon; instrumentation used in astronomy; and the origin of the universe. Emphasis is on visual observation of celestial phenomena. Recent advances in astronomy are discussed.

Prerequisite: One year of high school mathematics

Offered: Fall, Spring

BIOLOGY

A grade of C is the passing grade for prerequisites in this category unless otherwise noted.

Students interested in majoring in biology should consider the CSCU Transfer Ticket in Biology Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Michelle Coach (860-253-3141 or mcoach@asnuntuck.edu) for further details.

BIO* 105: INTRODUCTION TO BIOLOGY 4 CREDITS

This one-semester lecture and laboratory course will provide the student with a background of the basic concepts of Biology. Topics will include chemistry, genetics, cells, evolution and ecology, biotechnology, the diversity of life, and the major systems of the human body.

Prerequisites: None

Offered: Fall, Spring

BIO* 111: INTRODUCTION TO NUTRITION

3 CREDITS

This course is an introduction to the basic principles of nutrition with emphasis on the biological basis of human nutrition, nutrient metabolism and interaction. Topics include the structure and function of the carbohydrates, lipids, proteins, vitamins and minerals; the role these nutrients play in energy balance needs; human health; and degenerative diseases.

Prerequisites: None

Offered: Fall, Spring, Summer, Winter

BIO* 115: HUMAN BIOLOGY

4 CREDITS

This introductory course offers an overview of the human body and its processes emphasizing health and how the body maintains homeostasis in a changing environment. This course will cover cell biology, histology and the major systems of the body, including skeletal, muscular, cardiovascular, nervous and digestive. (3 hours lecture/3 hours lab). This course does NOT satisfy the prerequisite for BIO* 211: Anatomy & Physiology I and BIO* 235: Microbiology.

Prerequisites: None

Offered: Fall, Spring

BIO* 121: GENERAL BIOLOGY I

4 CREDITS

This course investigates the concepts of scientific methodology and the studies of representative plant and animal cells. Topics include the study of molecular and plant biology; cell division; the basic principles of genetics; and the role of DNA and RNA in human inheritance. (BIO* 121 or BIO* 122 may be taken in either semester. BIO*121 with a grade of C will satisfy the prerequisite for BIO* 211 Anatomy & Physiology I and BIO* 235 Microbiology. 3 hours lecture/3 hours lab.)

Prerequisites: None

Offered: Fall, Spring, Summer

BIO* 122: GENERAL BIOLOGY II

4 CREDITS

This course investigates the concept of taxonomy and the diversity of life forms. Topics include the comparative study of representative microorganisms; the anatomy and physiology of animal systems, with special emphasis on the human body; and the ecological and evolutionary relationship between plants, animals and their environment. (BIO* 121 or BIO* 122 may be taken in either semester. 3 hours lecture/3 hours lab.)

Prerequisites: None

Offered: Spring

BIO* 180: PRINCIPLES OF ENVIRONMENTAL SCIENCE

3 CREDITS

This is a survey course of environmental science. Topics include ecology, biodiversity, human populations, water, soil, forests, and pollution, renewable and non-renewable energy, and legislation.

Prerequisites: Eligibility for ENG* 101

Offered: Fall, Spring

BIO* 211: ANATOMY AND PHYSIOLOGY I

4 CREDITS

This course is a comprehensive study of the structure and function of the human body and the integration of body systems. Includes study of macroscopic and microscopic anatomy and the principles involved in the physiology of the following body systems: integumentary, lymph, muscular, skeletal, articular, and nervous. (3 hours lecture/3 hours lab)

Prerequisite: C or better in BIO* 121

Offered: Fall, Spring, Summer

BIO* 212: ANATOMY AND PHYSIOLOGY II

4 CREDITS

This course is a continuation of Anatomy and Physiology I. A detailed study of the structure and function of the following body systems: endocrine, circulatory, respiratory, digestive, excretory, and reproductive. (3 hours lecture/3 hours lab)

Prerequisite: C or better in BIO* 211

Offered: Fall, Spring

BIO* 235: MICROBIOLOGY

4 CREDITS

This course is a basic study of microorganisms with an emphasis on bacteria. It investigates host-parasite relationships, epidemiology, immunology, microscopy, microbial metabolism and growth, pathogenicity, microbial genetics, and microbial control. It also includes a survey of the microbiology of the major infectious diseases

Prerequisite: C or better in BIO* 121

Offered: Fall, Spring, Summer

BIO* 260: PRINCIPLES OF GENETICS

3 CREDITS

This is an introductory course in genetics. This course covers the basic principles of genetics from Mendel to recombinant DNA, with emphasis on human inheritance. Topics include an examination of the role genetics plays in cancer, aging, and behavior along with the concepts of eugenics (selective breeding), genetic diseases, and genetic engineering.

Prerequisites: None

Offered: Spring

BUSINESS

BBG* 101: INTRODUCTION TO BUSINESS

3 CREDITS

Provides a basic overview of the structure of business organizations, large and small. Reviews distinguishing features of sole proprietorships, partnerships, and corporations. Covers all aspects of organizing a business. An excellent course for someone wishing an overview of business, or for the person who has not worked extensively in a business and wishes to get some solid background. Highly recommended for all people without significant business experience.

Prerequisites: None

Offered: Fall, Spring

BBG* 115: BUSINESS SOFTWARE APPLICATIONS 3 CREDITS

Using Microsoft Suite applications software, students in this hands-on course will learn to use each of the software packages as they relate to the business environment. A major emphasis is placed on Excel to build flexible spreadsheets used in business decision-making, supplemented with Word to produce professional looking documents, Access to select and analyze data to produce valid results, and PowerPoint to effectively present and communicate.

BBG* 117: INTRODUCTION TO QUICKBOOKS 1 CREDIT

This course is an introduction to the business software known as QuickBooks, one of the more popular softwares in use for small businesses that may also be used to keep personal records. The course will be taught using a "hands-on" approach to help students learn the software's features. This course takes a user perspective by illustrating how accounting information is both created and used. The student will learn to investigate the underlying source documents that generate most financial statements. The course focus will be on generating financial statements. (See also ACC* 121.)

Prerequisites: None

Offered: Not regularly offered

BBG* 125: THE FUTURE AND ORGANIZATIONS 3 CREDITS

An introduction to the study of the future from an organizational perspective. Emphasis is on examination of the effect population has on the future; learning different methods of futures forecasting; development of future-oriented thinking; environmental scanning techniques; and networks to increase our capabilities to address and adapt to change. (See also HUM* 141.)

Prerequisites: None

Offered: Not regularly offered

BBG* 210: BUSINESS COMMUNICATIONS 3 CREDITS

This course introduces the fundamentals of communication for personal, business and professional use. Students will practice how to write letters, memos and reports, prepare graphics, and deliver oral presentations according to current writing styles and business conventions. Instruction will include reinforcement of English/grammar skills, team and small group communication, oral presentations, nonverbal communications, resume preparation and interviewing skills.

Prerequisite: ENG* 043 or ENG* 073 or ENG* 096

Offered: Spring

BBG* 215: GLOBAL BUSINESS 3 CREDITS

An introduction course designed to provide students with the foundations for conducting international busi-

ness and an understanding of the impact of the social, cultural, economic, political, religious, and legal environments in international trade. The course will focus on the importance of globalization, foreign investment, international marketing, international management, and operations of multinational corporations.

Prerequisite: BMG* 202

Offered: Spring

BBG* 232: BUSINESS LAW II 3 CREDITS

A continuation of the course, Business Law I. Special emphasis is given to the Uniform Commercial Code, partnerships, corporations, real property, and commercial paper.

Prerequisite: BBG* 215

Offered: Not regularly offered

BBG* 234: LEGAL ENVIRONMENT OF BUSINESS 3 CREDITS

The meaning of law and structure of the American legal system are studied with a view toward the impact of law upon the operation of American business. Ethics and social responsibility are examined through the lens of stakeholder analysis and other analytical tools. Students will explore ethical issues and their own ethics as major components of the course. Major aspects of government regulation of business such as products liability, securities regulation, worker protection, and intellectual property issues are also explored. The course also examines fiduciary duty and tort liability. May not be taken by students who have completed either Business Law I or Business Law II.

Prerequisites: None

Offered: Fall, Spring

BBG* 240: BUSINESS ETHICS 3 CREDITS

This course is an introduction to Business Ethics. Students will explore the philosophical underpinnings of ethics, which will then be applied to the modern corporate environment. The macro and micro environment that impacts decision making, the context of the ever-increasing pressure for public and private corporations to increase profitability, and the social, moral and legal implications will be examined. The case method will be used to study actual corporate cases, as well as hypothetical cases designed to examine the philosophical, moral, sociological, and legal issues.

Prerequisite: BMG* 101 or BMG* 202 or permission of instructor

Offered: Not regularly offered

BBG* 294: BUSINESS INTERNSHIP 3 CREDITS

Field work experience in business and accounting. Assignments may be in private, public, or non-profit organizations in areas such as manufacturing, retailing, personnel, accounting or finance. This experience will enable students, under supervision, to integrate experience with theoretical knowledge. Each credit earned requires 40 hours of work placement. In addition, six

one-hour classroom seminar periods will be required during the semester.

Prerequisites: Minimum of 21 credit hours completed in program core and permission of instructor. Graded pass/fail.

Offered: Spring, Summer

BES* 118: SMALL BUSINESS MANAGEMENT

3 CREDITS

A basic course studying the problems involved in starting, managing, and operating a small business. Provides an overall approach to small business. Emphasis is on evaluating the problems, risks, and rewards of operating a small firm.

Prerequisites: None

Offered: Not regularly offered

BES* 218: ENTREPRENEURSHIP

3 CREDITS

This is a basic course designed to help people identify the challenges and opportunities that people face who wish to create their own organizations. While the course will be aimed at starting a business, most of the concepts are easily transferable to the not-for-profit sector. Students with interests in either area are invited. In the 21st century, information technology, the widespread dispersion of talent across the world, and the speed of transportation all have combined to create an entrepreneurial opportunity that is unparalleled. It is now possible to create a new business that serves a particular market need dispersed throughout the world. No longer do small businesses have to 'act small.' Websites, email, and package delivery speed all mean that small businesses can compete with large ones as never before, even in the manufacturing arena. This course is about learning how to think like an entrepreneur, act like an entrepreneur, and how to be successful as an entrepreneur - creating an organization that works.

Prerequisites: None

Offered: Fall

BFN* 201: PRINCIPLES OF FINANCE

3 CREDITS

The basic principles of finance, the functions and relationships of financial institutions, and operational procedures of the money markets, including sources of financing and management of financial assets. Applications of finance to the business firm, community, and family are investigated in light of the current economy.

Prerequisites: BMG* 101 or BMG* 202, MAT* 121, or equivalent (Accounting I recommended).

Offered: Not regularly offered

BMG* 202: PRINCIPLES OF MANAGEMENT

3 CREDITS

A beginning course in management emphasizing the development of problem identification, analysis, and problem-solving skills. Concentrates on the human side of management through coverage of such topics as motivation, planning, leadership, team development, decision making, communications, and organizing. Case studies are a major part of the course. This course

is not open to students who have completed BMG* 101: Introduction to Management.

Prerequisites: None

Offered: Fall, Spring, Summer, Winter

BMG* 210: ORGANIZATIONAL BEHAVIOR

3 CREDITS

The study of people and groups in organizations. Includes the study of team effectiveness, learning styles, communications, motivation, conflict, the evaluation of behavior. Extensive student participation. Orientation is toward development of personal effectiveness in dealing with others.

Prerequisite: BMG* 101 or BMG* 202

Offered: Fall

BMG* 220: HUMAN RESOURCES MANAGEMENT

3 CREDITS

Mismanagement of human resources costs organizations millions of dollars yearly. This course emphasizes positive ways to select, train, motivate, and evaluate today's workers to provide maximum effectiveness. Organizational behavior findings provide the basis for the topics covered in the course.

Prerequisite: BMG* 101 or BMG* 202

Offered: Fall

BMK* 201: PRINCIPLES OF MARKETING

3 CREDITS

This course covers marketing methods and institutions, including analysis and interrelationship of the marketing mix. Application of basic management and marketing strategy planning methods, and performance computations related to marketing efficiency are also covered. This course is not open to students who have completed BMK* 101: Introduction to Marketing.

Prerequisite: Placement in ENG* 101 or permission of instructor.

Offered: Fall, Spring, Summer

BMK* 207: CONSUMER BEHAVIOR

3 CREDITS

This course builds a useful conceptual framework that both enhances understanding and permits practical application of consumer behavior principles to marketing strategy. Discussion focuses on the consumer as an individual, consumers in their social and cultural settings, the consumer decision-making process, and consumer behavior and society.

Prerequisite: Grade of C or better in BMK* 101 or BMK* 201

Offered: Fall, Spring

BMK* 208: SOCIAL MEDIA MARKETING

3 CREDITS

Facebook, blogs, YouTube, Twitter, and other new technologies have changed and challenged the marketing landscape. By analyzing case studies and examining current uses of social media marketing, students will learn how to harness the power of user-generated con-

tent to create buzz, position products, and raise brand awareness. The course will emphasize strategies for measuring the effectiveness of social media marketing campaigns. (See also COM* 200).

Prerequisites: None

Offered: Fall, Summer

BMK* 221: SALES MANAGEMENT 3 CREDITS

Studies the persuasive techniques used in personal selling. Discussion focuses on the steps in the sales process, the management of that process, and the role of sales within the promotion element of the marketing mix.

Prerequisite: BMK* 101 or BMK* 201

Offered: Spring

BMK* 230: ADVERTISING & PROMOTION 3 CREDITS

Concentrates on the communication aspects of marketing. Discussion focuses on the Promotion element of the marketing mix and its sub-elements of advertising, sales, public relations, and sales promotion. The importance of promotion in the strategic marketing planning process is analyzed.

Prerequisite: BMK* 101 or BMK* 201

Offered: Spring

CHEMISTRY

A grade of C- is the passing grade for prerequisites in this category unless otherwise noted.

Students interested in majoring in chemistry should consider the CSCU Transfer Ticket in Chemistry Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Amely Cross (860-253-3119 or across@asnuntuck.edu) for further details.

CHE* 111: CONCEPTS OF CHEMISTRY 4 CREDITS

This is a one-semester course for non-majors covering atomic structure and chemical bonding, followed by discussion of air, water, foods, drugs, plastics, and agricultural chemicals. Not a prerequisite for other chemistry courses, not a substitute for Chemistry 121-122. (3 hours lecture/3 hours lab)

Prerequisite: MAT* 095

Offered: Fall, Spring

CHE* 121: GENERAL CHEMISTRY I 4 CREDITS

The first semester is a study of the principles of chemistry, including basic concepts, atomic structure, energy, relationships, periodicity, bonding, gases, liquids, and solids. Laboratory is coordinated with lecture. (3 hours lecture/3 hours lab)

Prerequisite: MAT* 137 (may be taken concurrently)

Offered: Fall, Spring, Summer

CHE* 122: GENERAL CHEMISTRY II 4 CREDITS

This course is a continuation of General Chemistry I.

Topics included are thermodynamics, reaction rates, equilibria, electrochemistry, and an introduction to organic and biochemistry. Laboratory is coordinated with lecture. (3 hours lecture/3 hours lab)

Prerequisite: CHE* 121

Offered: Every Other Spring

COMMUNICATIONS

Students interested in majoring in communications should consider the CSCU Transfer Ticket in Communication Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Wendy Nelson (860-253-3124 or wnelson@asnuntuck.edu) for further details.

COM* 101: INTRODUCTION TO MASS COMMUNICATION 3 CREDITS

Course is intended to foster the intelligent appraisal of print media, radio, film, television, and new media, and to track their historical development, structures, roles, and functions in our society and others throughout the world. The media are analyzed in terms of their manipulative powers and role in the development of our environment. Materials reviewed include newspaper reports, press releases, newscasts, advertising copy, films, television broadcasts, social media, and new media. Communications majors may explore specific areas of concern for employment and/or college transfer.

Prerequisite: Placement in ENG* 101

Offered: Fall

COM* 121: JOURNALISM I 3 CREDITS

The primary aim of the class is to teach the basics of print journalism. Toward that end, students will engage in a series of exercises and assignments as they learn how to report news. Additional areas of exploration may include newspaper history, investigative work, and feature and sports reporting. Internships with the college newspaper or newspapers in nearby towns are possibilities. We will also attempt to acquaint those interested in journalism as a career choice with workplace environment.

Prerequisites: None

Offered: Spring

COM* 122: SPORTS REPORTING 3 CREDITS

Introduces students to the fundamentals of sports writing. Students will analyze sports reporting in print, broadcast, and online. Assignments emphasize practical skills grounded in journalism, including interviewing, writing, and editing. Students will produce both

written and recorded (audio/video) assignments to demonstrate course competencies.

Prerequisite: Placement in ENG* 101

Offered: Fall

COM* 131: AUDIO PRODUCTION 3 CREDITS

Introductory class designed to familiarize students with the basics of audio production and performance. Technical aspects of the class focus on the equipment, studio environment, and recording, mixing, and editing techniques used in radio production. Students will learn performance basics and practice these techniques while producing PSAs, promos, and commercials. While the class focuses primarily on radio production and performance, many of the skills developed over the course of the semester can be transferred to other applications, such as video and multi-media production.

Prerequisites: None

Offered: Fall

COM* 166: VIDEO FILMMAKING 3 CREDITS

An introduction to basic video production concepts, ideas, and techniques. A hands-on course—students actively participate in video field production. Students work on their projects individually and/or in small groups as required. Class covers instruction in the use of all college video production equipment, including cameras, VTRs, switchers, editors, and post-production equipment; an analytical survey of production styles and formats, such as ENG and EFP production, documentary, performance (music, theater, film), training, advertising and sports; and fundamental instructional design, production outlining, scriptwriting, narrative structures, and post-production techniques. By the course's end, each student should be able to produce one finished program of about ten minutes in length using a variety of production techniques.

Prerequisites: None

Offered: Fall

COM* 173: PUBLIC SPEAKING 3 CREDITS

Objective is to develop student capabilities in oral communication before an audience. Focuses on observation, analysis, and practice in various types of public speaking. Special attention is given to the organization of ideas, proper English language usage, platform presence, control of voice, and confidence building. Students may also participate in group activities including debates, panel discussions and forums, and general reporting.

Prerequisites: None

Offered: Fall, Spring, Summer

COM* 191: RADIO PRACTICUM 1 CREDIT

Students enrolled in the practicum gain hands-on experience at WACC, Asnuntuck's radio station. Each student is assigned a weekly, three-hour air shift. Students will learn how to operate station equipment, follow a format clock, and adhere to FCC rules and regulations

as well as WACC policies. This class is graded on a pass/fail basis. Course may be repeated for up to three credits.

Prerequisites: COM* 131 with a grade of C- or better, or permission of the Communications Program Coordinator after review of a demo recording of on-air work.

Offered: Fall, Spring

COM* 200: SOCIAL MEDIA MARKETING 3 CREDITS

Facebook, blogs, YouTube, Twitter, and other new technologies have changed and challenged the marketing landscape. By analyzing case studies and examining current uses of social media marketing, students will learn how to harness the power of user-generated content to create buzz, position products, and raise brand awareness. The course will emphasize strategies for measuring the effectiveness of social media marketing campaigns. (See also BMK* 208)

Prerequisite: None

Offered: Fall, Summer

COM* 232: ADVANCED AUDIO PRODUCTION 3 CREDITS

The course introduces students to advanced digital production techniques for radio, video, and multimedia. Through lectures, demonstrations, and production assignments, students gain valuable knowledge of the theory and practices of audio art as a recognized form of artistic expression using advanced techniques of audio manipulation on digital audio workstations. Topics include digitizing, formats, synthesis, filtering, and effects via digital techniques. Particular emphasis is placed on audio for radio and video. The course provides students with intensive practice and skill development in audio production techniques, while preparing them to work directly with video and radio program producers.

Prerequisite: COM* 131

Offered: Spring

COM* 241: TELEVISION PRODUCTION 3 CREDITS

Designed to familiarize students with video production concepts, ideas, and techniques beyond the elementary understanding of the process. This is a hands-on course; each student or team produces a variety of finished programs. The focus is on live studio production with limited post-production. Students work in teams. Includes review of instruction in the use of all college video production equipment, including cameras, and recording, switching, editing and post-production equipment; instructional design, production outlining, scriptwriting, narrative structures and news, and post-production techniques; introduction to Video Toaster and graphic design; and extensive experience producing studio-based programs. Intended for students having a working knowledge of TV equipment.

Prerequisites: None

Offered: Spring

COM* 295: INTERNSHIP I 3 CREDITS

Supervised experience working in a professional communications environment. The internship is a program designed to provide the student with hands-on, practical experience in the information or communications professions. In collaboration with the Program Coordinator, the student will design a program of study and work to identify an appropriate placement (e.g. radio or television station, newspaper, Web design company, photography studio, art design firm, etc.). Students will serve their internship under the supervision of a full-time faculty member, adjunct instructor, and/or a practicing member of the profession. Evaluation of the internship experience is shared between the Communications Program Coordinator and on-site supervisor.

Prerequisite: Approval of Communications Program Coordinator

Offered: Fall, Spring, Summer

COMPUTER AIDED DRAFTING**CAD* 220: PARAMETRIC DESIGN 3 CREDITS**

Introduction to computer-based design using Solidworks parametric 3D CAD software. The course focuses on Parametric Modeling and topics including: Design Intent and Process, Sketching Techniques, Model Development Techniques, Process-Specific Modeling, Design Changes, Editing Models, Patterning and Assembly Techniques. Students will participate in mostly individual and some group design projects as appropriate.

Prerequisites: None

INFORMATION SYSTEMS TECHNOLOGY**CSA* 105: INTRODUCTION TO SOFTWARE APPLICATIONS 3 CREDITS**

This course teaches the use of computers as an office productivity tool rather than how computers work. It offers instruction and practice on the use of personal computers and a variety of application software. Emphasis in this course is on developing practical applications for business and personal productivity. Currently, the Microsoft Office software products Word, Excel, PowerPoint and Access are being taught. This course also covers file-management using the Microsoft Windows operating system, computer science topics, and other skills, to the extent that they support the applications approach. This course is available online and on ground. Basic computer touch-typing skills required.

Prerequisites: None

Offered: Fall, Spring, Summer

CSA* 125: EXPLORING WORD PROCESSING AND DESKTOP PUBLISHING 4 CREDITS

This course is designed to prepare students for the contemporary business environment in which they are expected to complete a variety of projects using computer hardware technology and application software. The complexity of an office project often dictates the software to use. This course introduces the concepts of word processing and includes an overview of desktop publishing. Students will learn to create and format a document, organize the content and customize the office software to facilitate communication. Applications include preparing personal documents (arranging paragraphs, manipulating text, tables, formatting graphics including tables, graphs and charts), letterhead, business cards, newsletters, brochures, specialty promotional documents, charts, presentation materials, reports, flyers, and booklets. (This course is intended for the business office professional and not the graphic artist.)

Prerequisites: Strong Windows skills and typing skills

Offered: Fall, Spring

CSA* 135: SPREADSHEET APPLICATIONS 3 CREDITS

This course will introduce students to Microsoft Excel and demonstrate how this popular spreadsheet program can be utilized for business applications. Through a series of critical thinking exercises and problem solving approach, students will gain a deep understanding of the functionality of Excel by: demonstrating a solid working knowledge of the fundamental aspects of spreadsheet design, consolidating workbooks; linking information among worksheets; simulating "what if" scenarios; utilizing spreadsheet functions to solve problems; creating and analyzing graphs and charts; utilizing a spreadsheet to analyze data; creating macros to complete repetitive tasks; and integrating spreadsheet data among other Office products.

Prerequisites: Touch typing and working with Windows or equivalent

Offered: Fall, Spring, Summer

CSA* 145: DATABASE MANAGEMENT 3 CREDITS

This course will introduce students to Microsoft Access and to the fundamental concepts and principles associated with designing, managing and administering a database system. Through a series of problem solving exercises, students will learn to create and build a database structure using Access and to edit and use the tools for data retrieval such as queries, forms, reports and labels. Further study topics include: data maintenance, principles of table relationships, advanced custom form and report design, integrating data with other applications including Excel, filtering records, creating a macro switchboard interface, and viewing SQL statements in queries.

Prerequisites: Typing and Windows or equivalent OS

Offered: Spring

CSC* 294: INTERNSHIP IN COMPUTER AND INFORMATION SYSTEMS 3 CREDITS

This course combines a classroom seminar with on-the-job work experience to provide a vital link between classroom theories and ideas and the world of work. Assignments may be in private, public, or non-profit organizations in areas such as manufacturing, retailing, personnel, accounting, service or governmental organizations, or finance. This experience will enable students, under supervision, to integrate experience with theoretical knowledge. Each credit earned requires 40 hours of work placement. In addition, six classroom seminar periods are required during the semester, where students will establish learning goals for the work assignment and discuss work-related issues and career development in their field. Students must complete their work assignment, attend the seminars, and complete their required course papers in order to receive credit for the course.

Prerequisite: Minimum of 21 credits completed in program and permission of instructor. Graded pass/fail.
Offered: Not regularly offered

CSC* 101: INTRODUCTION TO COMPUTERS 3 CREDITS

This course is designed for the individual who wants to become computer literate and learn how to effectively use the Windows based microcomputer as a tool at home, school or on the job. General hardware and software concepts are covered. The student will be exposed to operating system concepts and application software through lecture and hands-on activities. Email communication skills will be developed, as will the use of the Internet as a communication and research tool. This course is not acceptable as fulfilling the computer requirement in Business, Computer & Information Systems, and Business Office Technology degree and certificate programs.

Prerequisite: None
Offered: Fall, Spring

CSC* 106: STRUCTURED PROGRAMMING 3 CREDITS

An introduction to the art and science of programming a computer. Emphasis will be placed on problem solving and the translation of solutions into a programming language. Topics include object-oriented program design with event driven programming techniques, graphical user interface design, data types, input/output control structures, loop structures, and program modularity. It also includes an introduction to the array and file data structures. (The current language is Visual Basic.)

Prerequisite: None
Offered: Fall, Spring, Summer

CSC* 205: VISUAL BASIC I 3 CREDITS

An introduction to the principles and fundamental concepts of the programming language, Visual Basic, a relatively new language included in a category of computer programming languages known as object-oriented, event-driven, Windows-oriented. Provides a vital foundation for those students intending career growth in computer programming and especially those students interested in Windows applications.

Prerequisite: CSC* 106 with a grade of "C" or better, or equivalent or permission of instructor.
Offered: Not regularly offered

CSC* 218: C# PROGRAMMING 4 CREDITS

The C# programming language is the next phase in the evolution of C and C++. It is a part of Microsoft Visual Studio.NET programming environment. This course describes how to use C# as a general-purpose programming language as well as how to develop a variety of applications. Topics include object-oriented programming design techniques and programming practices, multithreading and introduction to ASP.NET.

Prerequisite: CSC* 106 or permission of instructor
Offered: Fall

CSC* 220: OBJECT ORIENTED PROGRAMMING USING JAVA 3 CREDITS

This course moves from simple material covering the basics of programming and object-oriented software to relatively advanced material on graphical user interfaces and applets. Topics include programming structures, methods, objects, classes, inheritance, AWT, applets, exception handling, multithreading, I/O, and databases.

Prerequisite: CSC* 106
Offered: Spring

CSC* 231: DATABASE DESIGN I 3 CREDITS

This course will teach students the fundamentals of enterprise level database systems. Topics covered include relational database design, table and other objects creation, SQL programming, stored procedures, and data integration. More advanced topics may include interfacing the database with other programming languages, security, error handling, data access object modeling and reporting. Students will also learn to use the database management tools for managing database objects.

Prerequisite: None
Offered: Fall, Spring

CST* 150: WEB DESIGN AND DEVELOPMENT I 3 CREDITS

This course introduces students to the principles and concepts of designing a website for the Internet. Students will study the underlying structure of a Web page. Students will learn the basics of HTML (Hypertext Markup Language) to create a home page that incorporates text and graphics. This course covers addi-

tional features including Cascading Style Sheets (CSS), working with image maps, and a short introduction to Javascript. Each student will design a home page as a course requirement. The present and future advancements of the Internet will be discussed. There are one and a half hours of classroom instruction and one and a half hours of laboratory.

Prerequisite: Proficiency in Windows

Offered: Fall, Spring, Summer

CST* 201: INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS **3 CREDITS**

This course provides the background necessary for understanding the role of information systems in organizations and combines business management skills with modern computer technologies required for business operations. Topics include organizational and technical foundations of information systems, theory of design of information for business operations, database, and network systems, e-commerce and supply chain systems, and information network security management.

Prerequisite: None

Offered: Fall, Spring, Summer

CST* 215: SOFT SKILLS FOR A DIGITAL WORKPLACE **3 CREDITS**

This course is designed to help students develop the "people skills" essential in a professional working environment. Proper etiquette and protocol skills are a key ingredient for creating and presenting yourself professionally. Understanding the skills required will better prepare a student for a role in the workplace or community. Students will explore topics including project and process flow, human relations, professional presence, team building, ethics, interpersonal skills, information security, and office systems. Individual and group activities utilizing case study approaches with emphasis on scenarios, backgrounds, approaches, concepts and resolutions will allow the student to understand how to manage interpersonal relationships while providing direct support in the IT field. Understanding key tasks, objectives, time management, assignment of responsibilities, tracking progress and obtaining updates in a timely professional manner are closely examined.

Prerequisite: Any 1 course in CSA*, CSC*, CST* or permission of instructor

Offered: Spring

CST* 250: WEB DESIGN AND DEVELOPMENT II **3 CREDITS**

This course is designed for students who have a solid background in HTML and CSS and who want to learn to create dynamic websites using advanced design concepts and client-side programming technologies such as Java-script, advanced CSS, and DHTML. Students will explore: the development life cycle, user interoperability, and website management standards to create

professional and appealing websites. Students will gain an understanding of what is involved in building and maintaining interactive, commercial websites on various browser platforms. The specific software used in this course may change from semester to semester based on industry demand.

Co-requisite: CST* 150 or permission of instructor

Prerequisite: None

Offered: Fall, Spring

CST* 258: FUNDAMENTALS OF INTERNET PROGRAMMING **4 CREDITS**

A comprehensive introduction to the programming languages and techniques used to create dynamic websites using client-side and server-side programming. Topics included but not limited to client-side programming technologies such as JavaScript and Dynamic HTML as well as server-side programming technologies using PHP. Web database technologies will also be covered using the MySQL database. Course content is continually updated to reflect the current state of the art in Internet computing. The course requires substantial hands-on use of computers in a computerized classroom environment.

Prerequisite: CST* 150

Offered: Spring

CRIMINAL JUSTICE

Students interested in majoring in criminology should consider the CSCU Transfer Ticket in Criminology Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Don Boyd (860-253-3033 or dboyd@asnuntuck.edu) for further details.

CJS* 101: INTRODUCTION TO CRIMINAL JUSTICE **3 CREDITS**

This course material presents an overview of the criminal justice system, surveying the basic elements of law enforcement, the courts, and corrections. Students will develop a working knowledge of the language of the criminal justice system and discuss problems and improvements of the system.

Prerequisite: None

Offered: Fall, Spring, Summer

CJS* 102: INTRODUCTION TO CORRECTIONS **3 CREDITS**

This course is an overview of the historical development of corrections in the U.S. and the present-day workings of the correctional system. Students will consider the integral position of corrections in the criminal

justice system and explore the dynamics of corrections in relationship to changing socioeconomic, political, and cultural conditions.

Prerequisites: None

Offered: Spring

CJS* 120: POLICE AND THE COMMUNITY 3 CREDITS

This course covers the study, analysis and recommendations for reducing the severity of the major tension points between police and the community. The course presents an overview of the various aspects of Community Policing, which involves partnerships among the police, the community and other government agencies as a method of responding to citizen demand for service. Students are taught the evolution of policing ranging from the political to the professional era.

Prerequisite: None

Offered: Fall, Spring

CJS* 126: GANGS AND "FAMILIES" 1 CREDIT

This course will provide the student with an overview of the psychology and sociology behind various gangs around the country. In-depth coverage will be given to local gangs' symbolism including their graffiti, styles, tattoos, patches and other markings. Additionally, this course will cover assorted proactive strategies for the police and community in their attempt to control gang violence and crime.

Prerequisite: None

Offered: Spring

CJS* 137: TEST PREPARATION FOR POLICE CANDIDATES 1 CREDIT

This course will prepare the students for the application and testing phases of the hiring process in law enforcement, as well as other related criminal justice fields. Students will receive instruction on how to develop contacts for job-related internships. In addition, students will learn about employer expectations and requirements when they are applying for entry-level law enforcement or corrections careers.

Prerequisite: None

Offered: Fall

CJS* 201: CRIMINOLOGY 3 CREDITS

Students in this course develop an understanding of crime by reading and discussing the leading theories related to the phenomenon of criminal behavior. Students will examine the influence of criminological theory on public policy and the administration of justice in the United States. Upon completion of the course, the student will be able to apply the various theories in an explanation of the occurrence, prevention and reaction to crime in society. (See also SOC* 240.)

Prerequisite: CJS* 101

Offered: Fall, Summer

CJS* 202: JUVENILE DELINQUENCY 3 CREDITS

This course examines the multifaceted concepts of juvenile delinquency. Students will explore the relationship between social attitudes and definitions of youthful law violations. Popular causal factors of juvenile delinquency will be reviewed in this course.

Prerequisite: CJS* 101. (See also SOC* 241.)

Offered: Spring

CJS* 210: CONSTITUTIONAL LAW 3 CREDITS

This course presents an introduction to individual rights guaranteed by the U.S. Constitution, the workings of the U.S. Supreme Court, the Bill of Rights and their application to individual states. Students will review the significance of constitutional law, and how judges' interpretation of the Constitution transforms society.

Prerequisite: CJS* 101. (See also POL* 212.)

Offered: Summer

CJS* 211: CRIMINAL LAW I 3 CREDITS

This course is an exploration of the purposes of criminal law, the problems of crime in a free society, elements of a crime, criminal liability and responsibility, defenses available to the criminal defendant, and punishments for criminal acts. The substance of the eight Part I UCR crimes is discussed in detail.

Prerequisite: CJS* 101, and placement in ENG* 101

Offered: Spring

CJS* 213: EVIDENCE & CRIMINAL PROCEDURE 3 CREDITS

This course provides an in-depth study of criminal procedure and due process as they are applied to policing and correctional management. Students will study diverse topics of concern to criminal justice professionals such as search and seizure rules, rights of the accused before and during the trial process, and the rights of prisoners. This course will emphasize problem solving skills through an understanding of case and civil law.

Prerequisite: CJS* 101

Offered: Fall

CJS* 220: CRIMINAL INVESTIGATION 3 CREDITS

This course will introduce the student to the science of criminal investigation. Students will learn about searching the crime scene, interviewing witnesses, interrogating suspects, methods of surveillance and the special techniques employed in particular kinds of criminal investigations.

Prerequisite: None

Offered: Spring

CJS* 244: COMMUNITY BASED CORRECTIONS 3 CREDITS

Students who take this course receive in-depth instruction in the areas of probation, parole, pre- and post-incarceration offender supervision, and alternatives to

traditional incarceration. Students will become familiar with the role of jails, local court systems, and the community diversion programs as important elements in the correction process. By the end of the course, students will be able to identify the foundational principles of community oriented corrections, identify nationally recognized examples of successful local offender treatment, and understand the methods for evaluating the success of offender supervision.

Prerequisite: None

Offered: Fall

**CJS* 290: PRACTICUM IN
CRIMINAL JUSTICE 3 CREDITS**

This course provides students with hands-on experience in the daily functions of a publicly funded or non-profit organization that operates within some parameter of the criminal justice system. Provides students with an opportunity to translate classroom theory into practical applications.

Prerequisite: Written permission of Criminal Justice Program Coordinator. Graded pass/fail.

Offered: Fall, Spring, Summer

DANCE

All DAN* courses satisfy the Fine Arts requirement.

DAN* 121: DANCE I 3 CREDITS

This course is an exploration of the basic techniques, styles, concepts, and composition of dance and movement. No previous training is required or assumed. The course introduces and explores dance movements in the 20th century through historical analysis and movement. Students will participate in numerous dance exercises during the class.

Prerequisite: None

Offered: Fall, Spring

DAN* 122: DANCE II 3 CREDITS

Dance II will serve as an introduction to the anatomical principles, foundations and fundamentals of dance. The class will stress body alignment, flexibility, coordination, and rhythmic awareness. Emphasis will be on movement analysis and developing a dance vocabulary through technical exercises and dance phrases. This course will facilitate a greater appreciation of dance as a performing art as well as a means of personal expression.

Prerequisite: DAN* 121 or permission of instructor

Offered: Spring

DIGITAL ARTS

**DGA* 111: INTRODUCTION TO
COMPUTER GRAPHICS 3 CREDITS**

An introduction to creating images using the computer. Students will learn basic imaging skills through the

use of industry standard Adobe software programs (Photoshop, Illustrator and InDesign). Assignments will stress specific criteria related to the software programs and incorporate design objectives that will enhance the understanding of the programs. Students will produce original art work on the computer. *This course satisfies the Fine Arts requirement.*

Prerequisite: None

Offered: Fall, Spring

DGA* 128: DIGITAL PHOTOGRAPHY 3 CREDITS

A hands-on studio based introduction to digital photography as a fine art and a means of communication. Topics include camera handling and creative controls, image editing and manipulation using Adobe Photoshop, and photographic history and theory. Through lectures, readings, slide presentations, videos and assignments, students will be introduced to the basic vocabulary, concepts, tools and expressive possibilities of digital photography. It is recommended that students have their own camera. See also ART* 250. *This course satisfies the Fine Arts requirement.*

Prerequisite: None

Offered: Fall, Spring

EARLY CHILDHOOD EDUCATION

**ECE* 101: INTRODUCTION TO EARLY
CHILDHOOD EDUCATION 3 CREDITS**

This course is designed to acquaint students with the field of early childhood education. The importance of the years from birth to five years of age and the part that preschool education can play in a child's development are emphasized. The course acquaints students with historical perspectives of early childhood education along with modern trends and developments. This course requires 10 hours of observation at an approved NAEYC accredited site.

Prerequisite: None

Offered: Fall

**ECE* 103: CREATIVE
EXPERIENCES/CHILDREN 3 CREDITS**

Students explore a wide variety of creative media suitable for use with young children. This includes experimentation with and the use of various media, techniques and methods. Emphasis is given to creative experiences as they impact the development of young children.

Prerequisite: None

Offered: Fall, Spring, Summer

**ECE* 106: MUSIC AND MOVEMENT
FOR CHILDREN 3 CREDITS**

The role that music and movement play in the young child's life will be learned and experienced in this highly interactive course. Students will understand the

importance of music in all domains of development and will create and implement appropriate lesson plans to include music and movement in their curriculum.

Prerequisite: None

Offered: Fall

***ECE* 109: SCIENCE & MATH
FOR CHILDREN*** **3 CREDITS**

This course is designed to familiarize students with math and science activities and materials appropriate for young children. Students explore the environment as a vehicle to understand science as both a body of knowledge and also a way of learning through daily events and objects that relate to the fields of mathematics and science.

Prerequisite: ECE* 101

Offered: Spring

***ECE* 141: INFANT/TODDLER
GROWTH AND DEVELOPMENT*** **3 CREDITS**

This course is developed specifically for those who are already providing care for infants and toddlers in daycare or home settings or plan to work with this age group in the future. The course emphasizes developmentally appropriate caregiving by focusing on the emotional, social, cognitive and physical development of infants and toddlers. Other areas covered include nutrition and its impact on infant and toddler development, information and techniques necessary for long-term planning, routines, safety, first aid and the effective use and management of physical space. This course is also appropriate for those involved in the training and supervising of infant and toddler caregivers. Student observations of infant/toddler care are required. This course is required for CDA candidates seeking the infant/toddler credential.

Prerequisite: None

Offered: Spring, Summer

***ECE* 176: HEALTH, SAFETY
& NUTRITION*** **3 CREDITS**

Examines the relationship between health, safety, nutrition, and child development. Emphasis will be placed on strategies needed to develop a safe, healthy, nutritionally sound program. Course content will also focus on the concept of preventive health care. Students will have an opportunity to learn about the Infant/Child CPR Certificate.

Prerequisite: None

Offered: Fall

***ECE* 180: CDA CREDENTIAL
PREPARATION*** **3 CREDITS**

This course is designed for child care providers who wish to obtain a Child Development Associate Credential (CDA) through the Council for Early Childhood Professional Recognition under the direct assessment system. Students examine and review the CDA compe-

tencies and functional areas and their integration with early childhood education theory and practice. Most of the coursework assists students in the development of their professional resource file and the completion of other necessary preparation and documentation needed to obtain the credential.

Prerequisite: ECE* 101

Offered: Fall, Spring

ECE* 182: CHILD DEVELOPMENT **3 CREDITS**

This course is concerned with human development from prenatal through elementary education with particular emphasis on the preschool child. The physical, socio-emotional, and cognitive benchmarks through successive stages of development will be studied in depth. This course requires ten hours of observation (in an NAEYC accredited program or an instructor-approved program) in order to complete the course.

Prerequisite: None

Offered: Not regularly offered

***ECE* 206: ADMINISTRATION AND SUPERVISION
OF EARLY CHILDHOOD PROGRAMS*** **3 CREDITS**

This course examines the multi-dimensional role of the early childhood program director/administrator. Topics covered are: the responsibilities and skills involved in management, supervision and leadership of preschool programs. Emphasis is placed on the duties and responsibilities of an administrator; the recruitment, orientation, supervision and evaluation of staff members; program development; the budgeting process and fiscal management; food and health services; laws and regulations concerning state child care licensing; and parent involvement.

Prerequisite: Students who attend this class need to have either a CDA or nine credits in early childhood education or the permission of the coordinator of the early childhood education program.

Offered: Summer

***ECE* 210: OBSERVATION, PARTICIPATION
& SEMINAR*** **3 CREDITS**

This course is designed to increase objectivity in observing and interpreting children's behavior, to observe developmentally characteristics, and to increase the awareness of normal patterns of behavior. Observation and participation placements are provided for the study of young children in an approved NAEYC accredited early childhood setting. For eleven weeks, the student will observe and participate in a center for 66 hours. There is a weekly seminar.

Prerequisite: ECE* 101

Offered: Fall, Spring

***ECE* 212: ADMINISTRATIVE LEADERSHIP
IN EARLY CHILDHOOD PROGRAMS*** **3 CREDITS**

This course is designed to examine the multi-dimensional roles of the early childhood program administra-

tor. Emphasis will be on effective leadership and the impact of communication and interpersonal skills; decision making and participatory management tools; how to conduct effective meetings; formation of partnerships with families; child welfare advocacy; and strategic approaches to initiating and implementing change.

Prerequisite: ECE* 101, ENG* 101

Offered: Not regularly offered

ECE* 215: THE EXCEPTIONAL LEARNER **3 CREDITS**

This course examines the history of treatment of children with disabilities. Course content includes legislative milestones relating to the handicapped, identification of children with special needs, and understanding the screening, assessment and evaluation process. Students also become aware of strategies for effective instruction as well as the impact on the family of a child with disabilities.

Prerequisite: ECE* 101

Offered: Spring

ECE* 225: ANTIBIAS ISSUES IN EARLY CHILDHOOD EDUCATION **3 CREDITS**

This course provides students with a multicultural perspective in teaching children. Topics include diversity in the classroom and in the community. Students will explore various ethnic, religious, family, cultural, racial, and generational perspectives. Emphasis will be placed on expanding the view of diversity among students who will be taught in the 21st century.

Prerequisite: ECE* 101

Offered: Fall

ECE* 231: EARLY LANGUAGE AND LITERACY DEVELOPMENT **3 CREDITS**

This course is an introduction to language and literacy in the young child. Students will explore the early childhood language arts curriculum including speaking, listening, writing and reading skills. Emphasis will be placed on how a child's cultural background and experiences influence emerging literacy development. The teacher's role in creating and fostering a literacy-rich environment that engages children in developmentally appropriate language arts experiences will be covered.

Prerequisite: ECE* 101

Offered: Spring

ECE* 275: CHILD, FAMILY AND SCHOOL RELATIONSHIPS **3 CREDITS**

This course examines the environment in which a child develops, the relationships of people in the environment and the interactions that take place in various settings. Course content includes the development of the child as a social being, communication between parents and teachers and the ways in which teachers can encourage parent involvement.

Prerequisite: ECE* 101

Offered: Not regularly offered

ECE* 295: STUDENT TEACHING PRACTICUM **6 CREDITS**

This capstone course provides twelve weeks of supervised student teaching in an approved NAEYC accredited center or kindergarten. The purpose of student teaching is to apply child development theory to a learning environment and to work with children under close supervision. Student teachers will plan, organize, implement and evaluate classroom learning experiences. Students will complete 220 hours of student teaching and attend a weekly seminar class devoted to issues in Early Childhood Education and their student teaching experience. It is recommended that students take this class the semester of their anticipated graduation.

Prerequisite: Permission of Program Coordinator and a grade of C- or better in the following ECE courses: ECE* 101, ECE* 103, ECE* 176, ECE* 210, ECE* 215, and ECE* 231

Offered: Spring

ECONOMICS

ECN* 101: PRINCIPLES OF MACROECONOMICS **3 CREDITS**

An introduction to contemporary macroeconomic thought and practices. Major concepts and tools of economic analysis covered include: unemployment, inflation, national income accounting, business cycles, growth theory, monetary policy, and investment and conception. Format is lecture/discussion, exams and/or papers. Course is required in most four-year business programs.

Prerequisite: None

Offered: Fall, Summer

ECN* 102: PRINCIPLES OF MICROECONOMICS **3 CREDITS**

An introduction to contemporary microeconomic thought and practices. Major concepts and tools of economic analysis covered include: market allocation of resources, prices and income distribution, prices and profits, and the labor theory of value. Course is required in most four-year business programs.

Prerequisites: None

Offered: Spring, Summer

ENGLISH

Students interested in majoring in English should consider the CSCU Transfer Ticket in English Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact John Sheirer (860-253-3138 or jsheirer@asnuntuck.edu) for further details.

ENG* 096: INTRODUCTION TO COLLEGE ENGLISH 6 SEMESTER HOURS

Prepares students for the reading and writing demands in Composition and other college-level writing courses by integrating reading writing, and critical thinking.

Student writing will focus on understanding, reporting on, reacting to, and analyzing the ideas of others. Texts will serve as models and sources for students to refine their skills in exposition, interpretation, and argumentation. Students learn and practice specific college-level skills through critical reading and writing, class discussions, lectures, group presentations, or workshops.

This course does not satisfy a credit requirement or an elective in any degree program, nor do its credits count toward graduation.

Prerequisite: *Placement criteria - Accuplacer: Reading Comprehension less than 83 AND Sentence Skills less than 88.*

Offered: Fall, Spring

ENG* 101: COMPOSITION 3 CREDITS

Composition focuses on the study and practice of effective written communication across a variety of rhetorical situations. The course develops skills in applying language conventions, engaging with and using authoritative sources, and crafting logical arguments.

Prerequisite: *Approved placement criteria. Students placing into ENG*043, ENG*073, and/or ENG*096 need a grade of "C" or better to enroll in ENG*101.*

Offered: Fall, Spring, Summer

ENG* 101S: COMPOSITION WITH EMBEDDED SUPPORT 6 CREDITS

Composition focuses on the study and practice of effective written communication across a variety of rhetorical situations. The course develops skills in applying language conventions, engaging with and using authoritative sources, and crafting logical arguments. Composition with Embedded Support meets the same outcomes as ENG101, but offers students additional support through supplemental instruction, increased time on task, focused workshops, and tutoring.

Prerequisites: *Placement criteria - Accuplacer: Reading Comprehension less than 83 OR Sentence Skills less than 88 (one or the other, but not both).*

Offered: Fall, Spring

ENG* 102: LITERATURE & COMPOSITION 3 CREDITS

This course introduces students to the primary forms of literature: poetry, fiction, and drama. Focus is on a detailed examination of the elements of each form of literature, and reflective and critical writing in response to literature. Students read, discuss, and write about literary works representing a rich diversity of authors' voices and backgrounds. Serves as a prerequisite for all higher-level literature courses.

Prerequisites: "C-" or better in ENG* 101 or ENG* 101S

Offered: Fall, Spring, Summer

ENG* 103: COMPOSITION II 3 CREDITS

The focus of this course is on critical writing and reading of various types of essays: reflection, research, analysis, evaluation, argument. Building on work begun in English 101, students are instructed in the process of writing through activities such as brainstorming, drafting, organizing, revising, and peer collaboration. Students are also instructed in strategies for critical reading of essays representing a rich diversity of authors' voices and backgrounds.

Prerequisite: "C-" or better in ENG* 101 or ENG* 101S

Offered: Fall, Spring

ENG* 114: CHILDREN'S LITERATURE 3 CREDITS

This course examines the best literature available to children including works by major writers and forms such as fable, folk tale, fairy tale, nursery rhyme, and short story. The course presents an overview of children's literature including picture books, traditional literature and contemporary children's fiction. Topics include critical analysis, the relationship of illustration and text and oral interpretation of children's literature.

Prerequisite: None

Offered: Fall, Spring, Summer

ENG* 172: SPORTS REPORTING 3 CREDITS

This course introduces students to the fundamentals of sports reporting. Students will analyze sports reporting in print, broadcast, and online. Assignments emphasize practical skills grounded in journalism, including interviewing, writing and editing. Students will produce both written and recorded (audio/video) assignments to demonstrate course competencies.

Prerequisite: Placement in ENG* 101 or ENG 101S

Offered: Fall

ENG* 202: TECHNICAL WRITING 3 CREDITS

This course examines the writing tasks most often required in the professional world, including memos, letters, job-search correspondence, electronic correspondence, reports, technical descriptions, instructions, proposals, integrating text with graphics, and technical editing. Students will write as a recursive process that includes prewriting, drafting, workshoping, revising, and editing.

Prerequisite: Grade of "C-" or better in ENG* 101 or ENG* 101S

Offered: Spring

Note: The hands-on courses, Literary Magazine Production I and II, will produce Asnuntuck's literary magazine, Freshwater, and organize the annual Freshwater Poetry Festival that celebrates the magazine's publication.

Since each course will involve different aspects of producing the magazine and working on the festival, students are not required to take both courses nor to take them in sequence if they choose to take both courses.

ENG* 206: LITERARY MAGAZINE PRODUCTION I**3 CREDITS**

This course focuses on developing and using literary and professional skills to plan and produce the college's annual professional literary magazine, ongoing college events related to creative writing, and the annual spring literary festival. Students serve on the editorial board of the literary magazine and on the planning board for college creative writing activities and the literary festival. ENG 206 is offered in the fall semester and focuses on preliminary work for the magazine and the literary festival: soliciting, reading, and evaluating magazine submissions; researching magazine publishing and marketing options; planning the student writing contest; selecting and inviting professional writers for the festival; and planning the festival program. In addition, students will work on their own creative writing in a small-group workshop setting, producing a final portfolio of original poetry, fiction, and/or creative nonfiction. Note: ENG 206: Literary Magazine Production I and ENG 207: Literary Magazine Production II are distinct courses. Each course involves different aspects of producing the magazine and the festival, as well as writing new creative works for each course. Students do not have to take ENG 206 before ENG 207, so students may take both courses or take either one individually in any order. This course satisfies the Fine Arts requirement. Prerequisite: Grade of "B" or better in ENG* 101 and permission of instructor.

Prerequisite: Grade of "B" in ENG* 101 or ENG* 101S and permission of instructor
Offered: Fall

ENG* 207: LITERARY MAGAZINE PRODUCTION II**3 CREDITS**

This course focuses on developing and using literary and professional skills to plan and produce the college's annual professional literary magazine, ongoing college events related to creative writing, and the annual spring literary festival. Students serve on the editorial board of the literary magazine and on the planning board for college creative writing activities and the literary festival. ENG 207 is offered in the spring semester and focuses on completing production of the magazine and the literary festival: making final selections of submitted work for the magazine; carrying out magazine publishing and marketing plans; completing the student writing contest; coordinating professional writers for the festival; finalizing the festival program; and overseeing festival operations. In addition, students will work on their own creative writing projects in a small-group workshop setting, producing a final portfolio of original poetry, fiction, and/or creative nonfiction. Note: ENG 206: Literary Magazine Production I and ENG 207: Literary Magazine Production II are distinct courses. Each course involves different aspects of producing the magazine and the festival, as well as writing new creative works for each course. Students do not have to take ENG 206 before

ENG 207, so students may take both courses or take either one individually in any order. *This course satisfies the Fine Arts requirement.*

Prerequisite: Grade of "B" in ENG* 101 or ENG* 101S and permission of instructor

Offered: Spring

ENG* 210: FICTION**3 CREDITS**

This course examines fiction from different time periods, genres, and cultures, examining intersections between fiction and variety of topics such as critical theory, popular culture, history, mythology, etc. Students will read, analyze, discuss, and practice critical writing about multiple forms of fiction such as the novel, novella, the short story, and others.

Prerequisite: Grade of "C-" or better in ENG* 102

Offered: Spring

ENG* 211: SHORT STORY**3 CREDITS**

This course examines the short story as a distinct literary form. Students will practice critical reading, discussion, and analysis of short stories from a range of historical periods, cultural traditions, and literacy genres, and will explore how authors have attempted to interpret, comment on, and construct the human experience through and within the limitations of the short story form. Writing assignments ask students to support original theses about assigned stories using textual analysis.

Prerequisite: Grade of "C-" or better in ENG* 102

Offered: Fall

ENG* 213: POETRY**3 CREDITS**

The nature and variety of poetry, some reasonable means for reading it with appreciative understanding, and ideas of how to evaluate it. Deals with such elements as imagery, the use of figurative language—metaphor, symbol, allegory, paradox and irony, for example—and the use of rhythm and meter. Focus is on how understanding these elements adds to the delight of reading and understanding poetry, as well as giving students the confidence to approach more advanced levels of reading literature, whether formally or informally.

Prerequisite: Grade of "C-" or better in ENG* 102

Offered: Not regularly offered

ENG* 214: DRAMA**3 CREDITS**

This course focuses on the study of dramatic plays as a literary form that has, since the time of ancient Greeks, staged stories that entertain audiences while asking them to question themselves, their place within culture and history, and notions of reality. Students will learn the theatrical conventions that playwrights employ to manipulate an audience's experience with dramatic material, and how some writers have bent and broken such conventions in order to create new meaning.

Prerequisite: Grade of "C-" or better in ENG* 102

Offered: Not regularly offered

ENG* 220: STUDIES IN AMERICAN LITERATURE

3 CREDITS

This course offers students an introduction to American literature, and surveys American literary works from colonial times to the present. It examines America's literary traditions, the development of a national identity through literature, and the ways in which different voices have explored what it means to be American.

Prerequisite: C- or better in ENG* 102

Offered: Spring

ENG* 233: SHAKESPEARE

3 CREDITS

An introduction to Shakespeare's plays and the fundamentals of the genres. Students study at least one Shakespearean play intensively in addition to those covered by the class as a whole. Students explore a number of critical approaches to the study of Shakespeare.

Prerequisite: Grade of "C-" or better in ENG* 102

Offered: Spring

ENG* 263: WOMEN IN POETRY

3 CREDITS

An exploration—through reading, discussing and writing +poetry—of poetry and women's lives. Explores the ways in which women's poetry of the last three decades reflects what Carolyn Heilbrun calls "the narratives that have been controlling women's lives" and the ways in which many women have come to understand the need to "dismantle" the past and "reinvent" the future. Focuses on poets such as Denise Levertov, Carolyn Kizer, Maxine Kumin, Anne Sexton, Adrienne Rich, Sylvia Plath, and Audre Lorde, as well as a selection of contemporary women poets.

Prerequisite: Grade of "C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Not regularly offered

ENG* 264: POETRY AND WOMEN'S LIVES

3 CREDITS

This is a course in exploration—through reading, discussion, and writing—of women, spirituality, and the ways in which women express their inner lives in their poetry. According to Marilyn Sewell, who edited Claiming the Spirit Within: A Sourcebook of Women's Poetry, much of women's contemporary poetry explores the need to reject the dominant values of our culture and "find a different way," to turn away from "our personal and cultural malaise" and explore our inner lives in order to heal ourselves and the world. In this class, we will use this idea for our exploration of women's poetry, reading and writing poetry about the spiritual and temporal lives of women and the essential ways they interconnect. Students will read the poems in Claiming the Spirit Within, keeping a reading journal as a basis for class discussion of these poems, as well as an inspiration for the poems they will write in response to the topics explored in the book. Student poems will be dis-

cussed in small groups, and students will rewrite their poems, submitting a portfolio of original and rewritten poems at the end of semester. We will also produce a book of poems written by students in the class.

Prerequisite: Grade of "C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Spring

ENG* 281: CREATIVE WRITING

3 CREDITS

Students may work in poetry, fiction, drama, or a combination of these genres. Work in progress is presented each week to the class for critique and response. Readings are assigned on an individual basis. There is no limit as to the number of times a student may take this course, but a maximum of six credits will be allowed toward graduation.

Prerequisites: Grade of "C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Fall

ENG* 282: CREATIVE WRITING - POETRY

3 CREDITS

Students read and write poetry in a variety of forms, including the sonnet, the villanelle, terza rima, rimas disolutas, syllabics, and the sestina. Learn to use meter, rhyme, imagery, metaphor and other tools of writing poetry, but most of all the delight and paradoxical freedom of writing in form.

Prerequisite: "Grade of C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Spring

ENG* 283: CREATIVE WRITING - FICTION

3 CREDITS

This course will focus on fiction, both to learn about the elements of fiction and to write with the techniques of fiction. Instruction will guide writing practice, and drafts of works in progress will be presented to classmates and the instructor for feedback to shape revision. Reading assignments in fiction will be assigned and self-selected with the approval of the instructor.

Prerequisite: Grade of "C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Spring

ENG* 285: MEMOIR WRITING

3 CREDITS

Memoir is an increasingly popular form of writing that draws on personal history and memory as inspiration for writing about life experience. The primary focus of this class will be writing several memoir essays over the course of the semester. Students will share, discuss, revise, and explore opportunities for publishing their memoir essays. Students will also read a range of published memoir and study one author of their choosing in depth for the purpose of examining the qualities and characteristics of memoir.

Prerequisite: Grade of "C-" in ENG* 101 or ENG* 101S or permission of instructor. This course satisfies the Fine Arts requirement.

Offered: Summer

**ENG* 289: POETRY AND POLITICS:
WRITING TO MAKE CHANGE 3 CREDITS**

Poets have always written in passionate response to suffering and inequality, calling attention to the need for change, insisting that we pay attention not only to what is right and beautiful but also to what is wrong and terrible in the world. In this course, we will examine a number of questions, beginning with working toward a clear definition of politics, so that we can understand the complexity of that concept and thus comprehend the effect that politics in the broadest definition has on our lives. The other two questions we will examine are "What is political poetry?" and "What makes a good political poem?"—exploring the challenge of writing poetry that tries to make a point without sliding into preaching. Student poems will be read and discussed in class, and students will produce a final portfolio of poems, rewritten in response to that class discussion. At the end of the semester, students will give a public reading of their work in the Asnuntuck Coffee House, and we will also put together a collection of work written for the course. We will be learning from one another. The instructor welcomes suggestions, and encourages students to bring in additional published poems to enhance the assigned reading, so that we can broaden the scope of our exploration. You will need to provide copies for the class of any poems you bring in.

Prerequisite: Grade of "C-" or better in ENG* 101 or ENG* 101S. This course satisfies the Fine Arts requirement.

Offered: Spring

GRAPHIC DESIGN

GRA* 153*: GRAPHIC DESIGN I 3 CREDITS

An introduction to visual communication design and basic studio skills with an emphasis on developing the ability to convert creative concepts into a visual medium. The course covers design layout, typography, the development of graphic identity, portfolio development and mechanical preparation.

Prerequisite: ART* 123

Offered: Spring

HEALTH

**HLT* 153: HEALTH &
WELLNESS TODAY 3 CREDITS**

This course is designed to provide students with a basic knowledge of current personal health concepts and applications such as health and wellness, stress management, substance use and abuse, and human sexuality. Empha-

sis is on decision-making skills and self-responsibility in personal health.

Prerequisite: None

Offered: Not regularly offered

HLT* 154: WELLNESS PRACTICES 3 CREDITS

This course expands on the principles and theories of Psychology 103, Introduction to Holistic Wellness, focusing their premise in a practical applications format. A weekly regimen of meditation exercises, seasonal therapies, and lifestyle changes widely known to reduce stress and promote health and well-being will shape class discussion and journal-portfolio assignments. Guest speakers currently practicing in the field of complementary medicine will round out the course content.

Prerequisite: None

Offered: Not regularly offered

HLT* 175: WOMEN'S HEALTH ISSUES 3 CREDITS

This course examines health topics of special interest and applicability to women, such as women's cycles, addictions, lifestyle choices, and self-concept. Part of the focus is on the role of self-understanding and self-help in promoting health and well-being. (See also PSY* 175.)

Prerequisite: None

Offered: Not regularly offered

HISTORY

A grade of C- is the passing grade for pre-requisites in this category unless otherwise noted.

Students interested in majoring in history should consider the CSCU Transfer Ticket in History Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Lisa (Elle) Van Dermark (860-253-3148 or lvandermark@asnuntuck.edu) for further details.

HIS* 101: WESTERN CIVILIZATION I 3 CREDITS

A survey of ancient civilization through classical Greece, Rome, and Medieval Europe to the formation of modern nation states, emphasizing the political, economic, and social development of institutions and ideas.

Prerequisite: None

Offered: Fall, Spring

HIS* 102: WESTERN CIVILIZATION II 3 CREDITS

A survey of modern civilization in the era of the Enlightenment, the resulting social, political, and economic changes and revolutions, and the development of governments based on popular participation.

Prerequisite: None

Offered: Fall, Spring, Summer

HIS* 201: U.S. HISTORY I **3 CREDITS**

This course examines the political, economic, social and cultural development of the United States from the pre-European period through Reconstruction. Major emphasis is on the Colonial Era, national growth, sectionalism and the Civil War.

Prerequisite: None

Offered: Fall, Spring, Summer

HIS* 202: U.S. HISTORY II **3 CREDITS**

This course focuses on the growth of the United States from Reconstruction to the present with special emphasis on underlying political, economic and social trends and movements that have influenced American development and values.

Prerequisite: None

Offered: Fall, Spring, Summer

**HIS* 213: THE U.S. SINCE
WORLD WAR II** **3 CREDITS**

This course deals with both domestic and foreign affairs beginning with the Cold War through the present. The course will include the Civil Rights Movement, as well as the Vietnam War, the rise of conservatism, and the dominant concern of national security.

Prerequisite: None

Offered: Fall

**HIS* 215: HISTORY OF
WOMEN IN THE U.S.** **3 CREDITS**

This course is a survey of the history of women and their experiences in the U.S. from the Colonial Era to the present with a special emphasis on the diversity of women's lives and contributions.

Prerequisite: None

Offered: Spring

**HIS* 222: INTRODUCTION TO
AMERICAN LABOR HISTORY** **3 CREDITS**

An introduction to the history of labor in the United States, beginning with the Industrial Revolution. Emphasis is on the development and operation of unions and the changing role of governments in this process.

Prerequisite: None

Offered: Fall

HIS* 224: THE AMERICAN INDIAN **3 CREDITS**

An introduction to American Indian culture generally, and to four tribes in particular. Examines the condition of tribes before the coming of the Europeans, continuing to the present day, looking at the American Indian in contemporary society.

Prerequisite: None

Offered: Spring

HUMAN DEVELOPMENT

HDEV 101: FIRST YEAR EXPERIENCE **3 CREDITS**

First Year Experience is a required course for the General Studies and Liberal Arts degree programs. The purpose of this class is to introduce students to higher education practices, effective academic strategies and the resources of Asnuntuck Community College. The learning activities in this class prepare students for college coursework through practice in key academic abilities: information literacy, study skills, using academic sources, critical thinking, formulating academic-based responses, metacognition, online learning platforms and time management. Academic planning, transfer preparation and career exploration are also emphasized. The course incorporates reading, writing and speaking assignments as well as enrichment and online assignments.

Prerequisite: None

Offered: Fall, Spring

HDEV 110: PERSONAL FINANCE **3 CREDITS**

An introduction to personal financial planning. Includes development of financial goals and implementing plans to achieve these goals. Course topics will include the financial planning process, economic environment, time value of money, legal environment, and financial analysis. This course is useful to all students. May not be taken by students who have completed BFN* 110: Personal Finance.

Prerequisite: None

Offered: Fall, Spring, Summer

HDEV 125: CAREER DEVELOPMENT **3 CREDITS**

Career-entry strategies and resources are explored to prepare students for a successful job search and to develop effective methods for career advancement. Activities include self-evaluation, goal setting, company research, personal marketing plans, resume and cover letter preparation, and interviewing practice. Mid-career planning strategies and resources are also examined to maximize advancement potential and long-term professional growth. Through practical applications, students develop product knowledge, research and planning skills, and ways to execute their job search and career-advancement strategies. Each student assembles a final portfolio to be used for career-development opportunities and needs.

Prerequisite: None

Offered: Spring

HUMAN SERVICES

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted.

HSE* 101: INTRODUCTION TO HUMAN SERVICES **3 CREDITS**

This course covers the basic concepts, philosophy, and historical development of national, social, and rehabilitative service. Includes professionalism, ethics, confidentiality, and rights of human services consumers. Examines the psychological, sociological, economic, and political factors which influence policy formulation in public and private social organizations.

Prerequisites: None

Offered: Fall, Spring, Summer

HSE* 175: HEALTH AND AGING **3 CREDITS**

This course will give a student an overview of the physical aging process of humans in order to provide knowledge of the age-related changes and dysfunctions which are commonly encountered within the elderly population. In addition, the health impact of those changes on the social and psychological functioning of the individual will also be examined.

Prerequisite: SOC* 114: Sociology of Aging

Offered: Not regularly offered

HSE* 178: COMMUNITY SERVICES FOR THE AGING **3 CREDITS**

This course will give the student an overview of the community services which are available for the elderly and the caregivers. The course will cover the philosophy, development and implementation of selected programs. Topics covered will include Medicaid, Medicare, home care programs, extended day care facilities, and the evolving role of nursing homes (both for-profit and non-profit). In addition, students will gain an overview of community-based senior centers, politically based senior organizations, and the developing role of respite programs.

Prerequisite: One Sociology, Psychology, or Human Services course, or permission of instructor

Offered: Not regularly offered

HSE* 236: LEGAL ISSUES IN HUMAN SERVICES **3 CREDITS**

An overview of the law as it affects the social service worker. Addresses such topics as guardianship, involuntary commitment, informed consent to medical treatment, confidentiality and the social work privilege, the rights of the client, the family and the right to privacy, social work malpractice, licensing, and the criminal justice system.

Prerequisite: None

Offered: Fall

HSE* 237: MEDICAL ASPECTS OF HUMAN SERVICES **3 CREDITS**

Many components of human services interface with medical and/or medically related facilities. Human service workers need a working knowledge of health and illness and how they impact the service recipient. Course examines limitations resulting from selected disabilities and dynamics of a number of medical conditions human service workers encounter. Students have an opportunity to explore in depth a medical topic of their choice.

Prerequisite: HSE* 101

Offered: Not regularly offered

HSE* 241: HUMAN SERVICES AGENCIES AND ORGANIZATIONS **3 CREDITS**

This course covers the study of community organizations and their method of practice. The objective is to analyze the practice of planning and implementation of social services programs directed toward some component of community change. The skills, methods and organizational functions of community service workers are explored and integrated into the other skills and methods of social service practice that are a part of a student's overall learning experience in the human services program.

Prerequisite: HSE* 101

Offered: Spring

HSE* 244: MANAGING HUMAN SERVICES **3 CREDITS**

An introduction and overview of the emerging and ever-changing field of human services management. New developments and knowledge in this area will be assessed with specific examples of how this information can be used in practical, day-to-day situations. Designed for any professional or student who is interested in management in human service organizations and agencies.

Prerequisite: HSE* 101 and BMG* 101 or BMG* 202

Offered: Not regularly offered

HSE* 281: HUMAN SERVICES FIELD WORK I **3 CREDITS**

Provides students interested in working in human services with an opportunity to learn experientially at a human services agency in the community. Focus is on students learning how an agency functions as an organization. Students are allowed to participate in activities of the agency under the joint supervision of personnel in the assigned organization and the human service instructor.

Prerequisites: HSE* 101 and PSY* 111

Offered: Fall, Spring

HSE* 282: HUMAN SERVICES

FIELD WORK II

3 CREDITS

A continuation of Human Services Field Work I. Focus is on problems and procedures of human services work and the related agencies. Organizational structures, supervisory techniques, decision-making practice, and staff "burnout" will be examined.

Prerequisite: Grade of "C" or better in Human Services Field Work I

Offered: Fall, Spring, Summer

HUMANITIES

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted.

HUM* 141: THE FUTURE AND ORGANIZATIONS

3 CREDITS

An introduction to the study of the future from an organizational perspective. Emphasis is on examination of the effect population has on the future, learning different methods of futures forecasting, development of future-oriented thinking, environmental scanning techniques, and networks to increase our capabilities to address and adapt to change. (See also BBG* 125.)

Prerequisite: None

Offered: Not regularly offered

HUM* 185: PROBLEM SOLVING AND DECISION MAKING

3 CREDITS

Develops problem-solving skills necessary to successful independent careers. Students explore different types of problems, learn various thinking skills, and develop communications abilities. Most classwork is done in small groups to enhance group problem-solving skills. Innovative thinking techniques are woven into the course. Problems and problem analysis are presented from an organizational perspective. Extensive writing required.

Prerequisite: Completion of 24 credits of college work. Required course for an A.S. in Business Administration

Offered: Spring

MANUFACTURING

MFG* 100: INTRODUCTION TO ADVANCED MANUFACTURING

3 CREDITS

Introduction to Advanced Manufacturing is designed to provide the community college student the opportunity to survey the major advanced manufacturing methodologies, technical skills requirements, and various career opportunities in the 21st century Manufacturing sector. This hands-on, team based, course is designed to provide students with instruction and skills through rotations in three key content areas: machining, welding, and electronics. Each of the three content areas is

broken down into modules where a theory overview is presented in a classroom environment and demonstrations and hands-on applications are performed in a laboratory environment. In each area, advanced manufacturing equipment, processes, and techniques are introduced. Students will be able to identify the terminology of each area, and examine each career skill requirements, and gain a fundamental understanding of each area. A strong sense of personal effectiveness and responsibility, team work, communication, and respect is emphasized. The role and importance of shop floor etiquette, workplace cleanliness, and safe work practices will be emphasized. Practical cases and real-world examples are investigated and discussed.

Prerequisite: None

MFG* 105: MANUFACTURING MATH II

3 CREDITS

Second course in manufacturing mathematics. A further study of arithmetic and trigonometric operations applied to manufacturing circumstances. The following geometric entities are studied in detail: the circle, regular and irregular polygons, the right triangle and oblique triangles. The application of angular arithmetic including the study of: angle decimal conversion, the Pythagorean theorem, Sin, Cos, and Tan functions, and the Law of Sines and Law of Cosines.

Prerequisite: Completion of Machine Technology Level I Certificate, or with consent of instructor, MFG* 051: Manufacturing Math I.

MFG* 124: BLUEPRINT READING I

2 CREDITS

First course in blueprint reading. The study of orthographic projection. Topics include lines and their uses, auxiliary views, sectional views, basic and special dimensioning, dimensioning practices for holes, chamfers, angle, tapers, keyways, diameters and radii. Also, geometric tolerancing and dimensioning is covered.

Prerequisite: None

MFG* 125: BLUEPRINT READING II

3 CREDITS

Second course in blueprint reading. A further study of simple and complex drawings for machining or assembly purposes. Topics include the application and meaning of geometric characteristics and controls, the metric system, weldment, forging and casting drawings and procedures, communication with freehand sketches, blueprint terms and abbreviations.

Prerequisite: Completion of Machine Technology Level I Certificate, or with consent of instructor, MFG* 124: Blueprint Reading I.

MFG* 128: BLUEPRINT READING FOR WELDERS

3 CREDITS

A second course in blueprint reading, the focus of which is on interpreting drawings related to the welding field. Topics include various weld and joint type symbols that are used in welding blueprints. Supplemental symbols are also covered, including size, shape, loca-

tion and finish requirements of the various weldments. Interpretation of testing requirements on simple and complex blueprints is introduced.

Prerequisite: MFG* 124

MFG* 133: MATH FOR ELECTRICITY AND ELECTRONICS 3 CREDITS

This course is intended for the student who needs in-depth knowledge of the mathematics of electronics and electricity. It will review several areas that the student may be familiar with and move into advanced areas that are necessary for the understanding of electronics functions and analysis of complex circuits. The completion of this course will enable the student to move more quickly through future courses that require the use of complex math.

Prerequisite: MAT* 095

MFG* 137: CIRCUIT THEORY 3 CREDITS

Circuit Theory is an introduction to direct current (DC) circuits. Circuit Theory will introduce the student to electrical/electronic components; the nature of electricity (voltage, current, and resistance); Ohm's Law of measurement; the concept of energy and power; types of circuits (series, parallel, and series-parallel); Thevenin's and Norton's Theorems of circuit simplification, and magnetism and electro-magnetism.

Prerequisite: MAT* 095

MFG* 138: DIGITAL FUNDAMENTALS 3 CREDITS

Digital circuitry is the foundation of computers and automated control equipment in our industries. Digital circuitry is the basis for many of our appliances, alarm systems and heating systems. Our newer automobiles utilize digital circuits and devices to make them safer and more energy efficient. Consequently, a basic understanding of the elemental nature, design, theory, and operation of digital circuits is a must for any electronics student. This course provides the basic foundation necessary for the understanding of digital logic. The student is introduced to the concepts of digital vs. analog wave forms, digital and other numbering systems, digital codes, and Boolean algebra. The student is then introduced to the various logic gates that are incorporated into all logic systems from that of a computer to a microprocessor in a household appliance. This course explores the combinational circuits, data control devices, sequential logic (flip-flop and counters) circuits and shift registers, and finishes with an interface with the world of analog. (Formerly offered for four credits.)

Prerequisite: MFG* 133, MFG* 135

MFG* 139: CIRCUIT THEORY II 3 CREDITS

Circuit Theory II completes an introduction to the fundamental building block for all electrical and electronic devices: the circuit. Circuit Theory II completes the review of basic circuits by guiding the student through a thorough review of alternating current circuits includ-

ing the RC, RL, and RLC circuits. The student will also be introduced to several electrical devices including capacitors, inductors, and transformers. (Formerly offered for four credits.) **Prerequisite:** MFG* 137

MFG* 140: ROBOTICS 3 CREDITS

Robotics provides the student with a brief history of the application of Robotics to the manufacturing process to date and a vision of future applications of Robotics. Robotics provides an overview of the Robotic hardware, software, and programming necessary to specific applications. Robotics reviews the following: electromechanical systems, fluid power systems, sensing systems, end-of-arm tooling, PLC's, digital electronics, programming, and industrial applications.

Prerequisite: MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139

MFG* 142: ELECTRONIC CIRCUITS & DEVICES 3 CREDITS

Electronic circuits and devices are commonplace in the industrial manufacturing process; consequently, a complete understanding of control circuits and devices is necessary for anyone who intends to have a career in manufacturing control, maintenance, or engineering. Electronic Circuits & Devices provides an introduction to electronic materials, components, circuits, devices and their applications. The course will provide an overview of semiconductors, diodes, transistors (bi-polar, field-effect and unijunction), applications of SCR and Triac to circuits, and application of components to rectifiers, amplifiers, and relays.

Prerequisite: MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139

MFG* 143: INDUSTRIAL MOTOR CONTROLS 3 CREDITS

The process of motor control is integral to the flow of the product from raw material to finished product. Industrial Motor Controls will familiarize you with the following: principles of solid-state control devices and their components (such as: semiconductors, PN junction, Zenor diodes, and the transistors); AC and DC motor controls; motor drives; control circuits; motor starters and pilot devices.

Prerequisite: MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139, MFG* 142

MFG* 145: ELECTRONIC VARIABLE SPEED DRIVE SYSTEMS 3 CREDITS

The flow of product in the manufacturing process can be as simple as an on/off motor control switch or as complex as a variable speed drive that incorporates a feedback system. Most large and small companies utilize the more technologically advanced systems, hence they incorporate one or more variable speed drive(s) in their production process. Electronic Variable Speed Drive Systems will introduce the student to AC and DC

drive fundamentals, switching amplifier field current controllers, SCR armature voltage controllers, brushless DC motor controllers, chopper circuits, voltage inverters, and flux vector drives. **Prerequisites:** MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139, MFG* 143

MFG* 146: PROGRAMMABLE LOGIC CONTROLLERS **3 CREDITS**

The incorporation of the PLC is one of the fastest growing sectors in the field of electronics as the PLC replaces electromechanical control system, such as electromagnetic relays and programmable logic devices (PLD's). Programmable Logic Controllers provides you with an overview of the PLC, its hardware, numbering systems and codes, logic fundamentals, programming timers and counters, program control and data manipulation instructions, math instructions, sequencers and shift register instructions, and PLC installation, editing and troubleshooting. (Formerly offered for four credits.)

Prerequisites: MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139

MFG* 147: MICROPROCESSOR/MICROCONTROLLER **3 CREDITS**

This course is designed to give the student an overview of the microprocessor and microcontroller by reviewing the fundamentals of 8085A architecture, software, and interface applications; and by reviewing the architecture, software, and interface applications of the 8051 microcontroller.

Prerequisites: MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139

MFG* 151: MANUFACTURING MACHINERY - DRILL PRESS & SAW **1 CREDIT**

Course on sawing and drilling machines. Topics covered include use of cutoff saws, use of drill presses, using the vertical band saw, drilling tools, countersinking, reaming and counterboring.

Prerequisite: None

MFG* 152: MANUFACTURING MACHINERY - GRINDING **2 CREDITS**

Course on the use of various grinding machines. Topics covered include selection and identification of grinding wheels, truing, dressing and balancing wheels, grinding fluids, using the horizontal spindle reciprocating table surface grinder, using the cylindrical grinder, and using the tool and cutter grinder.

Prerequisite: None

MFG* 153: MANUFACTURING MACHINERY - BENCHWORK **2 CREDITS**

A basic course in the fundamentals, principles, practices, and tools used in semi-precision and precision layout and in the various tools, methods, and procedures for common machine shop benchwork. Topics will include measurement systems, layout principles, hand tools, and power tools.

Prerequisite: None

MFG* 154: MANUFACTURING MACHINERY - LATHE I **2 CREDITS**

First course in the use of the lathe. Topics include identification of major components of the lathe, tool holders and tool holding, cutting tools, operating the controls, facing and center drilling.

Prerequisite: None

MFG* 155: MANUFACTURING MACHINERY - MILLING I **2 CREDITS**

First course on the vertical and horizontal milling machines. Topics to include cutting tools and holders, setups, spindles and arbors, and work holding methods.

Prerequisite: None

MFG* 156: MANUFACTURING MACHINERY - CNC I **2 CREDITS**

First course in CNC machinery and programming. Topics include Cartesian coordinates, safe use of CNC equipment, setup and operate a two axis CNC lathe and a three axis CNC machining center, programming and runoff of parts.

Prerequisite: None

MFG* 157: WELDING I **3 CREDITS**

Introduction to theory and lab activities in welding areas of Shielded Metal Arc Welding, Gas Tungsten Arc Welding, Gas Metal Arc Welding and Oxyfuel Welding processes. Safety issues, equipment knowledge and demonstration of various welding processes/techniques will be explored. **Prerequisite:** MAT* 095.

MFG* 158: PNEUMATICS AND HYDRAULICS **3 CREDITS**

Fluid power is on the increase in the process of manufacturing due to its simplicity and to cost effectiveness. Hence, any person who wishes to be involved in the manufacturing process in a repair, control or engineering role should be familiar with the fundamentals of pneumatics and hydraulics. This introductory course is a study of the principles, concepts and equipment used in the field of pneumatics and hydraulics. Course emphasis is placed upon systems design, applications, and maintenance and repair. The following concepts are reviewed in this course: fluid power principles, fluid power cylinders, control valves (3 & 4 and 4 & 5 way), fluid power pumps, and other fluid power components.

Prerequisites: Consent of instructor and permission of the Director of Manufacturing Technology

MFG* 159: INDUSTRIAL MAINTENANCE **3 CREDITS**

The Industrial Maintenance course is designed to give the student an overview of the electro-mechanical nature of industry. Even though electronic devices have made great inroads in industry, the mechanical nature of production remains nearly unchanged over the years. The expression "the wheels of industry" remains as true today as it did yesterday. This course will provide the

skills necessary to install and to maintain the electronic and mechanical parts and machines that provide the ability of manufacturers to produce products, e.g. automobiles, appliances, etc. The course covers the following areas: safety, tools, fasteners, industrial print reading, belts and sheaves, chains and sprockets, gears and gear boxes, bearings, shafts, lubrication, seals and packing, pumps and compressors, fluid power, piping systems, and preventive maintenance.

Prerequisites: *Consent of instructor and permission of the Director of Manufacturing Technology*

MFG* 162: CNC MAINTENANCE AND REPAIR I **3 CREDITS**

CNC Maintenance and Repair I is the first course of a two-semester course sequence that provides the student with an introduction to Computer Numeric Control (CNC) machinery including the CNC miller and CNC lathe. Topics include: CNC safety, basic CNC components, basic operations of a CNC, overview of the control unit and operator's unit, CNC part programming, CNC operation and interfacing (PMC system), measurement devices, and troubleshooting techniques. This course is designed to give the student an in-depth overview of the design, programming, and operation of CNC machinery, thereby providing the foundation for CNC maintenance and repair. **Prerequisites:** *MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139, MFG* 140, MFG* 142, MFG* 143, MFG* 145, MFG* 146, MFG* 147 or consent of instructor and successful completion of Manufacturing Electronics Fundamentals and Manufacturing Electronics Systems & Controllers or by permission of the Director of Manufacturing Technology*

MFG* 163: CNC MAINTENANCE AND REPAIR II **3 CREDITS**

CNC Maintenance and Repair II is the second course of a two-semester course sequence and provides the student basic troubleshooting strategies, explores all major CNC systems needing maintenance and repair, reviews troubleshooting techniques used to identify components in need of repair, and provides insights into making the necessary repairs. Topics include: Troubleshooting plan of action (strategy); troubleshooting power supplies, troubleshooting the interlock system and operator controls; troubleshooting the servo drive, interface, parameter, and I/O (input/output) systems; and troubleshooting the hydraulic and pneumatics, lubrication and mechanical systems. The course provides the rationale for establishing and utilizing a regular maintenance plan.

Prerequisites: *MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139, MFG* 140, MFG* 142, MFG* 143, MFG* 145, MFG* 146, MFG* 147, MFG* 162 or consent of instructor and successful completion of Manufacturing Electronics Fundamentals and Manufacturing Electronics Systems & Controllers or by permission of the Director of Manufacturing Technology*

MFG* 164: ELECTRO-MECHANICAL SEMINAR/INTERNSHIP **4 CREDITS**

The Electro-Mechanical Internship is designed to be a capstone activity. The student is required to have completed successfully both electronic certificate programs, Manufacturing Electronics Fundamentals and Manufacturing Electronics Systems & Controllers, and to be in the latter stage of his or her Mechanical Certificate Program. The internship will commence within the last four (4) weeks of the Mechanical Certificate semester and will require sixty (60) hours of electro-mechanical industrial maintenance and repair supervised activity. Regional manufacturers will provide the student with on-site laboratory activities in regular maintenance and in repair. The student will be required to troubleshoot CNC mill, lathe and other electronically driven equipment in need of repair under the direct supervision of qualified company staff. Time will be provided in Pneumatics and Hydraulics, Industrial Maintenance, and CNC Maintenance and Repair to discuss, to review, and to reinforce the troubleshooting and maintenance experiences learned at the work site.

Prerequisites: *MFG* 133, MFG* 135, MFG* 137, MFG* 138, MFG* 139, MFG* 140, MFG* 142, MFG* 143, MFG* 145, MFG* 146, MFG* 147 or consent of instructor and successful completion of Manufacturing Electronics Fundamentals and Manufacturing Electronics Systems & Controllers or by permission of the Director of Manufacturing Technology.*

Co-requisites: *MFG* 158, MFG* 159, MFG* 162, MFG* 163*

MFG* 171: INTRODUCTION TO LEAN MANUFACTURING **3 CREDITS**

The purpose of this course is to provide the student with the fundamental knowledge of current continuous process improvement methodologies in use today within competitive manufacturing environments. This introductory course will expose the student to the basic concepts of Lean Manufacturing theory and the various tools and techniques involved with a lean implementation. This course will be presented following the lean-six sigma process methodology of DMAIC (Define, Measure, Analyze, Improve, Control) to ensure that at the completion of the course, the student will be competent to participate effectively as a team member in lean implementation projects.

Prerequisite: None

MFG* 172: INTRODUCTION TO LEAN SUPPLY CHAIN MANAGEMENT **3 CREDITS**

This course is an introduction to the basic principles of methodologies of Supply Chain Management. The course reviews the lean manufacturing principles needed to understand and maintain the supply chain. Key concepts are covered such as Value Stream Mapping, customer/supplier roles, supplier types, metrics, quality systems, quality audits, communication, and information flow. Class activities, group assignments, and case studies are emphasized for real-world learning experiences.

Prerequisite: None

MFG* 225: INDUSTRIAL SAFETY 3 CREDITS

This course studies industrial accident prevention and industrial hygiene covering such topics as management's responsibilities and functions in accident prevention. Topics include: OSHA regulations, machine guarding techniques and personal protective equipment, fire prevention and control, electrical and hand tool hazards, employee training and communications, injury data, hazards, accident analysis and hygiene problems caused by industrial environments.

Prerequisite: None

MFG* 230: STATISTICAL PROCESS CONTROL 3 CREDITS

An introduction to the concepts of manufacturing statistical process control. Topics include: measures of central tendency, measures of variation, normal distribution theory, process run charts, process control charts for variable and attributable data, normal probability plots, Pareto diagrams and cause-and-effect diagrams.

Prerequisite: Grade of "C" or better in MAT* 137

MFG* 239: GEOMETRIC DIMENSION AND TOLERANCING 3 CREDITS

An intermediate course in the interpretation of engineering drawings, beginning with the basics of dimensional tolerances and tolerance systems. Topics include: the mathematics of interpreting and specifying tolerances on dimensions, the system and rules of geometric tolerancing, and the basic nomenclature and standard symbols conforming to ANSI/ASMEY14.5M 1994 standards.

Prerequisite: MFG* 125: Blueprint Reading II

MFG* 254: MANUFACTURING MACHINERY - LATHE II 3 CREDITS

Second course on lathe setup, operation and practices. Topics covered include alignment, turning between centers, and other operations. The student will cut 60 degree external threads, internal threads, tapers, and other thread forms. Use of steady rests and follower rests.

Prerequisite: Completion of Machine Technology Level I Certificate, or with consent of instructor, MFG* 154: Manufacturing Machinery - Lathe I

MFG* 255: MANUFACTURING MACHINERY - MILLING II 3 CREDITS

Second course on milling setup, operation, and practices. Topics covered include use of Offset Boring Head, side milling cutters, face milling cutters on the horizontal mill, setup and operation of index heads, simple and direct angular indexing, and inspection of gears.

Prerequisite: Completion of Machine Technology Level I Certificate, or with consent of instructor, MFG* 155: Manufacturing Machinery - Milling I

MFG* 256: MANUFACTURING MACHINERY - CNC II 3 CREDITS

Second course in Computer Numerical Controlled

programming. A further study of CNC programming for the Lathe and Vertical Machining Center. Topics include setup and tooling, programming simple parts, canned drilling cycles, circular interpolation, special milling cycles, cutter compensation, looping and macros, and special features. **Prerequisite:** Completion of Machine Technology Level I Certificate, or with consent of instructor, MFG* 156: Manufacturing Machinery - CNC

MFG* 257: WELDING II 3 CREDITS

Theory and advanced lab activities in welding areas of Shielded Metal Arc Welding, Gas Tungsten Arc Welding, Gas Metal Arc Welding and Oxyfuel processes. Safety issues, advanced equipment knowledge and proficiency in various welding processes/techniques will be developed further in preparation for Welding III.

Prerequisite: MAT* 095, MFG* 124, and MFG* 157

MFG* 265: WELDING III 3 CREDITS

Advanced theory and lab activities that prepare the student to make code acceptable weldments in Shielded Metal Arc Welding (SMAW) and in Gas Metal Arc Welding (GMAW) in various positions and upon various metals.

Prerequisite: MAT* 095, MFG* 125, and MFG* 257.

MFG* 266: WELDING IV 3 CREDITS

This is an advanced course that includes theory and lab activities that prepare the student to make Gas Tungsten Arc Welding (GTAW) code acceptable weldments in plate and pipe in all positions.

Prerequisite: MAT* 095, MFG* 125, and MFG* 265

MFG* 267: METALLURGY 3 CREDITS

This is an introductory course that reviews the basic principles of metallurgy. This course will describe their uses in industrial applications and explain why certain material properties are desired and how these properties are attained.

Prerequisite: MAT* 095 and MFG* 265

MFG* 268: WELDING V 3 CREDITS

This advanced welding course includes theory and lab activities that prepare students to make GTAW code acceptable weldments upon specialty metals such as aluminum, magnesium, copper and steel alloys, stainless steel, and titanium. Lab activities will include code acceptable weldments.

Prerequisites: MAT* 095, MFG* 124, MFG* 125, MFG* 157, MFG* 257, MFG* 265, MFG* 266

MFG* 269: WELDING VI 3 CREDITS

This advanced welding course includes theory and lab activities that prepare students to make GMAW and FCAW (Gas Metal Arc Welding and Flux Cored Arc Welding) code acceptable weldments on various metals.

Prerequisite: MAT* 095, MFG* 124, MFG* 125, MFG* 157, MFG* 257, MFG* 265, MFG* 266, MFG* 268

**MFG* 271: ADVANCED LEAN
MANUFACTURING 3 CREDITS**

The purpose of this course is to provide the student with the knowledge to implement lean improvements within the production environment using a systematic approach. This course will follow an improvement project (from the student's current employer or case study) through the five stages of the DMAIC problem solving methodology. At the completion of the course, the student will be competent to effectively lead a lean implementation project within a company.

Prerequisite: MFG* 171

**MFG* 272: IMPLEMENTING LEAN
SUPPLY CHAIN MANAGEMENT 3 CREDITS**

The course covers the benefits and elements needed for implementing supply chain management. Team building and communication skills are shown as crucial factors in supply chain management. Topics emphasized in the course are measuring the velocity of the supply chain, developing partnerships, logistics, software tools, hardware, and continuous improvement. Class activities, group assignments and case studies are emphasized for real-world learning experiences.

Prerequisite: MFG* 172

**MFG* 296: MANUFACTURING
INTERNSHIP 0 CREDITS**

The manufacturing internship represents the capstone of the machine technology program. This course provides students with the opportunity to apply classroom theory, laboratory and school shop experiences in an actual work setting related to their program of study. Thirty (30) hours of manufacturing work are provided at affiliated sites under the guidance of the program director.

Prerequisite: MFG* 124, MFG* 151, MFG* 152, MFG* 153, MFG* 154, MFG* 155, MFG* 156, or consent of instructor

MATHEMATICS

A grade of C is the passing grade for prerequisites in this category unless otherwise noted.

Students interested in majoring in mathematics should consider the CSCU Transfer Ticket in Mathematics Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Dr. Teresa Foley (860-253-3138 or tfoley@asnuntuck.edu) for further details.

**MAT* 085: PREALGEBRA & ELEMENTARY
ALGEBRA 6 SEMESTER HOURS**

This course provides a concentrated review of beginning algebra concepts and basic arithmetic skills. In-

cludes basic computation, integers, fractions, decimals, ratio and proportion, and percents. The course also includes a study of the basic properties and theorems of rational numbers; expressions and equations with polynomials, rational and radical expressions, and integer exponents; linear equations in one and two variables; systems of linear equations in two variables; functions; and applications in geometry and algebra. ATI-83 or TI-84 calculator is required for this course. *Note: This course is not open to student who successfully completed MAT*075 with a "C" or better.*

Prerequisite: None

Offered: Fall, Spring

**MAT* 095: ELEMENTARY ALGEBRA
FOUNDATIONS 3 SEMESTER HOURS**

This course includes a study of the basic properties and theorems of rational numbers; expressions and equations with polynomials, rational and radical expressions, and integer exponents; linear equations in one and two variables; systems of linear equations in two variables; functions; and applications in geometry and algebra. ATI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 075 or Mathematics Assessment Test

Offered: Fall, Spring, Summer

MAT* 104: QUANTITATIVE REASONING 3 CREDITS

A survey course to develop the abilities to interpret and reason with information that involves mathematical ideas or numbers. This course will prepare students for the mathematics they will encounter in other college courses and in their career, as well as help develop critical thinking and problem solving skills needed in all areas of life. Topics include: principles of reasoning, problem solving techniques, basic statistics, every day mathematical models, and the mathematics involved in personal finance, the arts, careers, and society in general. ATI-83 or TI-84 graphing calculator is required for this course.

Prerequisite: A grade of "C" or higher in MAT* 085 or MAT* 095, or Mathematics Assessment Test

Offered: Fall, Spring

**MAT* 137S: INTERMEDIATE ALGEBRA EMBEDDED
WITH ELEMENTARY ALGEBRA 4 CREDITS**

This course provides a concentrated review of elementary algebra concepts embedded within an intermediate algebra course. The course is a further study of algebra and mathematical modeling of functions and relations represented by tables, graphs, words, and symbols. Polynomial functions and expressions with special attention to linear, quadratic, exponential, rational, and radical functions are studied. There is an emphasis on modeling and applications for all topics. ATI-83 or TI-84 is required for this course. This course meets the same outcomes as MAT*137: Intermediate Algebra.

Prerequisite: Grade of "C-" or better in MAT* 085, MAT* 095 or Mathematics Assessment Test

Offered: Fall, Spring

MAT* 137: INTERMEDIATE ALGEBRA 3 CREDITS

This course is a further study of algebra and mathematical modeling of functions and relations represented by tables, graphs, words, and symbols. Polynomial functions and expressions with special attention to linear, quadratic, exponential, rational, and radical functions are studied. There is an emphasis on modeling and applications for all topics. A TI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 085, MAT* 095 or Mathematics Assessment Test

Offered: Fall, Spring, Summer

MAT* 146: MATHEMATICS FOR THE LIBERAL ARTS 3 CREDITS

A survey course for students whose major field of study requires no specific mathematical preparations, such as in liberal arts and general studies. It is designed to convey the nature and diversity of mathematics and its role in society through applications to a variety of disciplines. Mathematics topics include voting theory, financial mathematics, and additional topics such as the following: graph theory, patterns and symmetry, linear and exponential applications, introduction to probability, linear programming, cryptography, the performance arts, and history of mathematics. A TI-83 or TI-84 recommended.

Prerequisite: Grade of "C" or better in MAT* 137S, MAT* 137, or Mathematics Assessment Test.

Offered: Fall, Spring

MAT* 152: FINITE MATHEMATICS 3 CREDITS

A survey of the use of mathematics in the social sciences. Includes a study of set theory, logic, combinatorial analysis, probability, statistics, math of finance and geometric linear programming. Emphasis will be on the construction and interpretation of mathematical models. Graphing calculator required; TI-83 or TI-84 recommended.

Prerequisite: Grade of "C" or better in MAT* 137S, MAT* 137, or Mathematics Assessment Test

Offered: Not regularly offered

MAT* 167: PRINCIPLES OF STATISTICS 3 CREDITS

The purpose of this course is to enable students to organize, present, and analyze data by applying descriptive and inferential statistical methods and processes. Topics include exploratory data analysis, graphing techniques, measures of central tendency and variability, the normal distribution, correlation and regression, basic sampling theory, mean and proportion sampling distributions, confidence intervals, statistical inference, elements of hypothesis testing, one and two

sample tests for means and proportions, and analysis of variance. Graphing calculator required; TI-84 recommended.

Prerequisite: Grade of "C" or better in MAT* 137S, MAT* 137, or Mathematics Assessment Test

Offered: Fall, Spring, Summer

MAT* 186: PRECALCULUS 4 CREDITS

An introduction to analysis skills necessary for success in the study of calculus. Includes study of inequalities, absolute value function, algebraic relations and algebraic functions, logarithmic and exponential functions, trigonometry, and analytic geometry. Extensive use is made of the programmable-graphing calculator and mathematical software. A TI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 137 or Mathematics Assessment Test

Offered: Fall, Spring, Summer

MAT* 254: CALCULUS I 4 CREDITS

Includes a study of functions, limits, continuity, differentiation of algebraic and trigonometric functions, applications of derivatives, definite integrals, approximate integration, and applications of the definite integral. Mathematical software and programmable-graphing calculators are used extensively. A TI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 186 or Mathematics Assessment Test

Offered: Fall, Spring

MAT* 256: CALCULUS II 4 CREDITS

Includes a further study of differentiation of trigonometric, exponential, and logarithmic functions as well as an exploration of the techniques of integration, improper integrals, indeterminate forms, and infinite series. Mathematical software and programmable-graphing calculators are used extensively. A TI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 254

Offered: Spring

MAT* 268: CALCULUS III: MULTIVARIABLE 4 CREDITS

Includes vectors in three dimensions, curves and parametric equations in three dimensions, geometry of surfaces, differential calculus of functions of more than one variable with applications, multiple integrals and their applications, and the differential and integral calculus of vector fields. Mathematical software and use of programmable-graphing calculators to solve problems included. A TI-83 or TI-84 calculator is required for this course.

Prerequisite: Grade of "C" or better in MAT* 256

Offered: Fall

MAT* 285: DIFFERENTIAL EQUATIONS 3 CREDITS
Introduction to ordinary differential equations and their applications, linear differential equations, systems of first order linear equations, numerical methods. AT1-83 or TI-84 calculator is required for this course.
Prerequisite: Grade of "C" or better in MAT* 256
Offered: Spring

MEDICAL ASSISTING

MED* 111: MEDICAL OFFICE PROCEDURES 3 CREDITS
The course presents the students with a basic overview of front office procedures in a medical facility. Emphasis is on the daily office procedures, financial management, insurance, and computer literacy needed for the health care industry today.
Prerequisite: None
Offered: Fall

MED* 112: MEDICAL INSURANCE AND CODING 3 CREDITS
This course gives an overview of developments of health insurance in this country, managed care, the life cycle of an insurance claim, legal and regulatory issues, and the process of generating an insurance claim. Students will learn the procedures for ICD-10-CM and CPT coding. Federal and commercial insurance plans will be discussed.
Prerequisite: MED* 125
Offered: Fall, Spring

MED* 116: ANATOMY AND PHYSIOLOGY FOR MEDICAL ASSISTANTS 4 CREDITS
This course is a basic study of the structure and functions of the human body. It is designed to provide the fundamental knowledge of how each system functions. The anatomy and physiology of the integumentary system will be discussed. The skeletal system and the muscular system will be covered in detail. Blood, cardiovascular system, lymph system, and the digestive system will also be discussed. Disorders and medical treatments particular to each system will be highlighted.
Co-requisite: MED* 125
Offered: Fall

MED* 125: MEDICAL TERMINOLOGY 3 CREDITS
The goal of this course is acquire basic medical terminology for students who will be entering into a medical profession. Standard roots, suffixes, and prefixes will be covered. Terms associated with each body system as well as common diseases to each body system will be covered. Anatomy and Physiology will be covered in order to make learning more interesting and the terms associated with each body system more easily understood. Correct spelling will be emphasized.
Prerequisite: None
Offered: Fall

MED* 133: CLINICAL MEDICAL ASSISTING 4 CREDITS
Skills that will be covered in this course include taking vital signs and measurements, documenting medical histories, charting pertinent findings, and assisting during routine and specialty medical exams and treatments. Medical asepsis is stressed. Through the use of lectures, discussions, role-playing, and hands-on practice, the student will develop competency in these skill areas.
Prerequisite: MED* 125*
Offered: Fall

MED* 142: CLINICAL LABORATORY PROCEDURES AND PRACTICES I 4 CREDITS
Through lectures, discussion, role playing and practice sessions this course demonstrates the concepts of urinalysis, pharmacology, medication administration, the use of the PDR, procedures for performing EKGs. Students will also become familiar with preparing and assisting in radiologic procedures..
Prerequisite: MED* 125*
Offered: Fall

MED* 170: LAW AND ETHICS FOR HEALTH CAREERS 4 CREDITS
The legalities and ethical behavior associated with the medical practice or facility are discussed with emphasis on the legal and ethical responsibilities of health care practitioners. Federal regulations and guidelines pertinent to medical practices are reviewed. Students will develop an understanding of dealing with patients within a professional code of ethics. Basic concepts of human resource management are covered.
Prerequisite: None
Offered: Fall

MED* 240: PSYCHOLOGY AND COMMUNICATION IN HEALTHCARE FOR MEDICAL ASSISTING 4 CREDITS
This course is an overview of the history of the medical practice and an insight of aspects impacting the medical profession, patients, and medical practice in today's health care profession. It introduces the professional and personal aspects of medical assisting. Therapeutic communications skills are stressed. Particular focus is on specific skills needed to appropriately communicate with a variety of patient profiles. The underlying psychology of specific patient populations is examined.
Prerequisite: None
Offered: Fall

MED* 242: CLINICAL LABORATORY PROCEDURES AND PRACTICES II 4 CREDITS
Students role-play and practice skills needed in a medical office. They learn the purpose of laboratory testing, types of tests, laboratory request forms, specimen collection, and storage procedures are covered. Students

learn blood collection methods and general hematology tests performed in a medical office. Medical asepsis and sterilization procedures are stressed. Students will learn to set up sterile fields for surgery and learn the different types of sutures most commonly used in a physician's office. Basic microbiology is discussed and the safe handling of microbiological specimens is stressed

Prerequisite: MED* 141

Offered: Fall

MED* 250: PRINCIPLES OF PHARMACOLOGY

3 CREDITS

This course presents the need for patient education concerning pharmaceuticals including dosages and administration. Emphasis on drug classifications and legal issues surrounding them. In addition the legislation and ethical considerations will be discussed.

Prerequisite: MED* 125

Offered: Fall

MED* 280: MEDICAL ASSISTANT EXTERNSHIP

3 CREDITS

This course requires the student, in the controlled environment of an approved medical assisting externship site, to experience the hands-on application of the administrative, clinical and professional procedures necessary to the field of medical assisting. This course requires the student to complete 225 hours of supervised practical experience in a program approved site.

Prerequisite: Successful completion of ten (10) Medical Assistant classes with a grade of "C-" or better.

Offered: Fall

MUSIC

All MUS* courses satisfy the Fine Arts requirement.

MUS* 141: GUITAR I

3 CREDITS

This course is designed to offer students an introduction to guitar performance. No previous musical training is required or assumed. Through the study of easy solo repertoire pieces, the student will learn musical notation and general music theory. Development of left and right hand technique and good practice habits will be stressed. The student will also work on the important musicianship skill of auditory training: recognition of pitch, intervals and tone at an introductory level and basic improvisation. Students will form small groups for the purpose of practicing in ensemble. Students must provide their own instruments.

Prerequisite: None

Offered: Fall, Spring

MUS* 142: GUITAR II

3 CREDITS

This course is a continuation of Guitar I. Through the study of classic solo and ensemble pieces that gradually increase the sophistication and difficulty, we will

continue the learning of musical notation and general music theory as it applies to guitar performance. Continued emphasis of left and right hand technique, good practice habits, and performance etiquette will be stressed. In this course, we will advance our understanding of the fingerboard into fifth (V) position and will study music and chord development in keys other than C major. We will also expand our working knowledge of harmony to extend into 7th chords, introduce standard jazz repertoire and practice basic improvisation through the study of keys/modes and diatonic scale relationships.

Prerequisite: MUS* 141 or permission of instructor

Offered: Spring

OCEANOGRAPHY

OCE* 101: INTRODUCTION TO OCEANOGRAPHY

3 CREDITS

This course is an introduction to ocean science, designed to familiarize students with basic oceanographic principles and current issues concerning humans' relation with the ocean. Topics include: physical characteristics of the ocean (light, salinity, density, temperature), waves, tides and currents; the ocean floor; ocean zones; types and classification of marine life; effects of the environment on marine life; marine ecology; marine resources (biological and physical); ocean pollution and its effects on marine life; marine law; and nautical charts.

Prerequisite: None

Offered: Fall

PHILOSOPHY

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted.

PHL* 101: INTRODUCTION TO PHILOSOPHY

3 CREDITS

We will focus on the questioning of ideas, inquiry into modern philosophical problems, and appreciation for the wonder of the mind, thinking process, and the 'critical' eye. Areas of thought to be studied include knowledge and reality, religious belief, morality, social philosophy, and personal philosophy. 'Doing' philosophy is emphasized. A historical view of changing concepts, and thoughtful consideration of our own time, place, and multi-cultured society.

Prerequisite: None

Offered: Fall, Spring

PHL* 111: ETHICS

3 CREDITS

Such fundamental issues as social morality and individual rights, justice, and the nature of the good life are explored through historical and contemporary writings. Areas of study include multiculturalism in our democra-

cy, and ethical issues in business, medicine, and media. The ends sought for every student are a stronger sense of consistency between intention and behavior, and growing skills of critical analysis.

Prerequisite: None

Offered: Fall, Spring, Summer

PHL* 151: WORLD RELIGIONS 3 CREDITS

Survey of the structures of major world religions and the social and political consequences of such beliefs. Covers varieties of Christianity, Judaism, Buddhism, Hinduism, and the various Muslim sects. Others are studied as time allows.

Prerequisite: None

Offered: Spring

PHYSICAL EDUCATION

HPE* 261: YOGA 1 CREDIT

This class is an introduction to Hatha yoga postures. The class consists of fundamental yoga techniques to stretch, tone and relax each part of the body. Students learn basic warm-ups, postures, and exercises. Correct breathing and relaxation techniques are also introduced. Beginners and individuals with injuries and physical limitations should start at this beginner level. Modifications are given to provide both safety and the appropriate challenge for students. The Sun Salutation sequence is also introduced to students. No previous training is required or assumed. Graded pass/fail.

Prerequisite: None

Offered: Fall, Spring

PE* 262: YOGA LEVEL I 1 CREDIT

In addition to the material offered in beginner's level, HPE* 261: Yoga, this class offers increased challenges to those who have become comfortable with entry level material. Students practice holding postures longer to build greater strength and stamina. Alignment and form are studied in more depth at this level. More advanced sequencing of postures is introduced and practiced. Students should have a working understanding of the principles and practice of beginning yoga to fully benefit from this course. Graded pass/fail.

Prerequisite: HPE* 261 or permission of instructor

Offered: Fall, Spring

PHYSICS

PHY* 110 INTRODUCTORY PHYSICS 4 CREDITS

An introduction to physics, including selected topics from mechanics, heat, electricity and light, and modern physics.

Prerequisite: MAT* 095 with a grade of "C" or better.

Offered: Fall

PHY* 121: GENERAL PHYSICS I 4 CREDITS

Basic concepts of mechanics and thermodynamics. (3 hours lecture/3 hours lab.)

Prerequisite: MAT* 137 with a grade of "C" or better, or two years of high school algebra, or math assessment test.

Offered: Not regularly offered

POLITICAL SCIENCE

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted.

Students interested in majoring in political science should consider the CSCU Transfer Ticket in Political Science Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Lisa (Elle) Van Dermark (860-253-3148 or lvandermark@asnuntuck.edu) for further details.

POL* 103: INTRODUCTION TO INTERNATIONAL RELATIONS 3 CREDITS

This course examines the major theories, structures and issues in the study of global politics with an emphasis on significant trends including international organizations, the problem of war, economic globalization and the global environment.

Prerequisite: None

Offered: Not regularly offered

POL* 111: AMERICAN GOVERNMENT 3 CREDITS

This course is an introduction to the foundations and institutions (legislative, executive and judicial) of American politics as well as the key concept of political participation in America with an emphasis on current issues and problems at the national level.

Prerequisite: None

Offered: Fall, Spring, Summer

POL* 112: STATE AND LOCAL GOVERNMENT 3 CREDITS

This course examines the role, functions, and processes of state and local governments with an emphasis on the diversity and revitalization of state governments as key factors in addressing public policy issues. This course draws heavily from ongoing events in state governments particularly in Connecticut in order to identify the key problems facing states and localities.

Prerequisite: None

Offered: Fall, Spring, Summer

**POL* 208: AMERICAN
PUBLIC POLICY**

3 CREDITS

This course investigates the policy-making process in the United States. Using a functional approach, students analyze public policy in a sequential manner, from the initial identification of a problem to its solution, including the assessment and appropriate revision or termination of policy. Examines case studies and analyzes current policy issues.

Prerequisite: None

Offered: Not regularly offered

**POL* 212: CONSTITUTIONAL LAW
AND CIVIL RIGHTS**

3 CREDITS

Introduction to individual rights guaranteed by the U.S. Constitution, the workings of the U.S. Supreme Court, the Bill of Rights and their application to individual states, the significance of constitutional law, and how judges' interpretation of the Constitution transforms society. (See also CJS* 210.)

Prerequisite: None

Offered: Summer

**POL* 295: POLITICAL SCIENCE
INTERNSHIP**

6-12 CREDITS

An opportunity to work closely in a political setting, either with a local legislator or in an office of the legislature

Prerequisite: Written permission of the instructor is required

Offered: Spring

PSYCHOLOGY

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted. NOTE: A grade of C or better is required to transfer to the UCONN Psychology Department.

Students interested in majoring in psychology should consider the CSCU Transfer Ticket in Psychology Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Dr. Jean Egan (860-253-3114 or jegan@asnuntuck.edu) for further details.

Please note: There is also a transfer agreement between Asnuntuck Community College and the University of Connecticut for students majoring in psychology. See the plan of study under Liberal Arts in this catalog. Contact Dr. Jean Egan, Social and Behavioral Sciences Coordinator at 860.253.3114 or jegan@asnuntuck.edu for details. Information is also available on the college website and the UCONN transfer website.

**PSY* 104: PSYCHOLOGY OF
ADJUSTMENT**

3 CREDITS

This course examines personal adjustment, personal growth, and interpersonal relationships over the lifespan. We examine those changes within personal and social contexts. Students gain knowledge of topics that relate to understanding others and ourselves in a changing world including motivation, emotions, stress, work, the body and health, human sexuality, freedom and decision making. Events, individuals and choices are interrelated. This course examines those connections and their impact on the individual.

Prerequisite: None

Offered: Fall, Spring

PSY* 109: PSYCHOLOGY OF THE FAMILY 3 CREDITS

This course is a study of American family dynamics along with the psychological conditions influencing them. The course examines the micro perspective of family dynamics. Topics include marriage, power, conflict and communication in families, birth order and its effects on mating and parenting styles, family stress and crises, divorce, remarriage and family life from an individual and social-psychological perspective. The course focuses on the psychological impact families have on individual members.

Prerequisite: None

Offered: Fall, Spring

PSY* 111: GENERAL PSYCHOLOGY I 3 CREDITS

This is a survey course that provides an overview of introductory topics in the science of psychology. Topics include historical and scientific origins, research, biological foundations, life span development, learning, memory, thinking, language, intelligence, motivation, and emotion. This course is the first half of a two semester sequence of PSY* 111 and 112. PSY* 111 is recommended, but not required prior to taking PSY* 112.

Prerequisite: None

Offered: Fall, Spring, Summer

PSY* 112: GENERAL PSYCHOLOGY II 3 CREDITS

This course is a survey course of psychology as a behavioral science. Topics include states of consciousness, sensation and perception, theories of personality, social psychology, abnormal psychology, therapeutic treatment, and health psychology. This course is the second half of a two semester sequence of PSY* 111 and 112. PSY* 111 is recommended, but not required prior to taking PSY* 112.

Prerequisite: None

Offered: Fall, Spring, Summer

PSY* 140: PSYCHOLOGY OF ADDICTION 3 CREDITS

This course is an overview of addiction including potential causes and personal/social consequences. Addiction is examined from a number of perspectives.

Topics include: alcohol, heroin, cocaine, food, sex, relationships and work. Included is an examination of current state and federal legislation related to specific addictions. Course content includes a variety of treatment modalities utilized in addressing the symptomatology of addiction. This course cannot be substituted for any of the required courses in the Drug and Alcohol Rehabilitation Counseling Program (DARC).

Prerequisite: PSY* 112

Offered: Not regularly offered

PSY* 143: COUNSELING SKILLS 3 CREDITS

This course explores the role of the counselor in a variety of therapeutic settings. Topics include theories of counseling, various counseling models, individual and group counseling, components of successful counseling, and conditions leading to and ways to prevent burnout. Students have the opportunity to practice a variety of counseling techniques.

Prerequisite: PSY* 112

Offered: Fall, Spring

PSY* 201: LIFE SPAN DEVELOPMENT 3 CREDITS

This course explores the development of the whole person from the prenatal period through late adulthood. We examine the stages and issues related to social, emotional, intellectual, and physical development. Developmental principles are applied to understand family issues, communication, self-image, and adjustments to life's transitions. Students learn both theory and practice.

Prerequisite: PSY* 111

Offered: Fall, Spring

PSY* 203: CHILD DEVELOPMENT 3 CREDITS

This course examines contemporary ideas and issues in child psychology. It includes such topics as cognition, intelligence, language, early experiences, genetics, sex typing, learning, motivation, perception, and personality from a developmental point of view. Objectives include introducing students to modern methods of the study of children; increasing interest, understanding, and concern for children. Topics include learning, motivation, perception, and personality from a developmental point of view. **Prerequisite:** PSY* 111

Offered: Fall, Spring

PSY* 204: CHILD AND ADOLESCENT DEVELOPMENT 3 CREDITS

This course examines the changes in the individual from infancy through adolescence. This survey course examines the theories and methodologies of the cognitive, emotional, and social development of the individual during childhood and adolescence. We employ both theory and practice in our approach to the material.

Prerequisite: PSY* 111

Offered: Not regularly offered

PSY* 207: ADOLESCENT PSYCHOLOGY 3 CREDITS

This course examines a broad theoretical and practical basis for the understanding of this dynamic period of development. Theoretical models of social, cognitive, and development are reviewed within the context of important issues of the adolescent experience. Cultural differences and similarities are presented throughout the course.

Prerequisite: PSY* 111

Offered: Not regularly offered

PSY* 210: DEATH & DYING 3 CREDITS

This course examines contemporary and cultural attitudes toward death and dying, and the process of grief and loss. Students examine approaches toward death from psychological, social, moral, and ethical perspectives. A number of issues of the multifaceted concept of death are explored including: death of children, death due to accidents, factors that precipitate death, the personal struggle of the terminally ill, and the impact of death on the family and significant others. The ethical issue of terminating life is also explored.

Prerequisite: PSY* 111

Offered: Fall, Spring

PSY* 211: PSYCHOLOGY OF WOMEN 3 CREDITS

This course examines leading psychological theories and issues about women in contemporary society. It examines social expectations and personality development, achievement motivation and identity formation.

Prerequisite: PSY* 104 or PSY* 111

Offered: Not regularly offered

PSY* 212: HEALTH PSYCHOLOGY 3 CREDITS

This course examines the effects of cognitive and emotional states and the environment on wellness. Students learn a variety of theories and research methods used to evaluate the impact of acute and chronic illness on psychological health. Students learn a variety of coping skills to promote sound psychological wellbeing. Prevention, stress management, psychotropic intervention, talk therapy, and other coping strategies are examined.

Prerequisite: PSY* 112

Offered: Fall, Spring

PSY* 215: PSYCHOLOGY OF DREAMING 3 CREDITS

This course surveys the physiology of the dreaming process in the context of stages of sleep and the neurobiology of dream states. The theories of Freud, Jung and Gestalt psychologists are applied to an understanding of the dream process and dream interpretation. The course also examines the influence of culture and myth upon the dreaming process and the dreamer.

Prerequisite: PSY* 112

Offered: Fall, Spring, Summer

PSY* 220: EDUCATIONAL PSYCHOLOGY 3 CREDITS

This course covers the basic theories of learning and teaching. The focus of the course will be on the learning

process and related ideas such as development, individual differences, cognition, effective learning environments, motivation and exceptionalities. Students learn a variety of theoretical constructs that pertain to learning and the educational environment.

Prerequisite: PSY* 111

Offered: Not regularly offered

PSY* 240: SOCIAL PSYCHOLOGY 3 CREDITS

This course is a survey of theory and research in social psychology, including the topics of conformity, obedience, attitudes, persuasion, group dynamics, the self, forming impressions and explaining behavior, altruism, aggression, romantic attraction, prejudice, and social conflict.

Prerequisite: PSY* 112

Offered: Fall, Spring

PSY* 243: THEORIES OF PERSONALITY 3 CREDITS

This course examines the nature of personality and practical implications for everyday living from the viewpoints of major personality theorists. The psychodynamic, behavioristic, ego psychology, humanistic, and transpersonal models are explored.

Prerequisite: PSY* 112

Offered: Fall, Spring

PSY* 245: ABNORMAL PSYCHOLOGY 3 CREDITS

This course is an inquiry into social and cultural perspectives of abnormal behavior, focusing on clinical situations, causal factors, therapy, and the outcomes of various maladaptive behaviors. Contemporary approaches to assessment, treatment, and prevention of abnormal behavior are explored.

Prerequisite: PSY* 112

Offered: Fall, Spring

PSY* 250: PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY 3 CREDITS

This course explores current information, attitudes, and place of sexuality as a positive and enriching force in life. Biological origins, psychological determinants, social factors, and various forms of sexual expression are explored.

Prerequisite: PSY* 104 or PSY* 111

Offered: Not regularly offered

PSY* 256: PSYCHOLOGY OF GENDER 3 CREDITS

This course examines the different roles of men and women from a psychological perspective, examining both traditional roles and the current changing roles of men and women. Students explore psychological messages about masculinity and femininity, media messages, and patterns of communication. *This course was formerly called Psychology of Men and Women.*

Prerequisite: PSY* 104 or PSY* 111

Offered: Fall, Spring

PSY* 270: PSYCHOLOGY OF TRAUMA 3 CREDITS

This course introduces students to the field of psychological trauma. It includes a brief history of the field and current approaches to understanding trauma from cognitive, neuropsychological, developmental, and clinical viewpoints. It explores topics such as childhood trauma, adult sexual assault, domestic violence, acts of war, combat related disorders, and natural disasters. Films and selected readings are used to explore these topics. A disclaimer is communicated at the beginning of class concerning possible accidental trauma to students because of the nature of the materials covered. A list of area providers of psychological services is distributed in class.

Prerequisite: PSY* 112

Offered: Not regularly offered

QUALITY CONTROL

QUA* 114: MANUFACTURING QUALITY CONTROL 3 CREDITS

First course in statistical quality control. Topics covered include determination of process capabilities, estimation of process standard deviation from sample data, use of control charts, calculation of probability of simple events. Student will develop SPC and TQM Manufacturing Plans.

Prerequisite: Completion of Machine Technology Level I Certificate or consent of instructor.

SIGN LANGUAGE

SGN* 101: SIGN LANGUAGE I 3 CREDITS

American Sign Language (ASL) is the sign language most deaf people use when communicating among themselves. Students will learn grammatical features, vocabulary and conversational skills including expressive and receptive skills of ASL. In addition, students will learn the culture of the deaf community, the history of ASL, and the relationship of ASL to other forms of signing.

Prerequisite: None

Offered: Fall

SGN* 102: SIGN LANGUAGE II 3 CREDITS

This course is a continuation of Sign Language I. Students will learn grammatical features, vocabulary and conversational skills including expressive and receptive skills of ASL. In addition, students will learn the culture of the deaf community, the history of ASL, and the relationship of ASL to other forms of signing.

Prerequisite: A grade of C- or higher in SGN* 101

Offered: Spring

SOCIAL WORK

Students interested in majoring in social work should consider the CSCU Transfer Ticket in Social Work Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Heather D'Orlando (860-253-3103 or hdorlando@asnuntuck.edu) for further details.

SOCIOLOGY

A grade of "C-" is the passing grade for prerequisites in this category unless otherwise noted.

Students interested in majoring in sociology should consider the CSCU Transfer Ticket in Sociology Studies (see CSCU Transfer Ticket degrees on the web site.) By completing this Asnuntuck associate degree, students can transfer to the Connecticut State Universities (CSU: Central, Eastern, Southern, and Western) and Charter Oak State College (COSC) with a junior status and complete their BA/BS degree. Contact Laurie Chancey (860-253-3152 or lchancey@asnuntuck.edu) for further details.

SOC* 101: PRINCIPLES OF SOCIOLOGY 3 CREDITS

This course introduces the sociological perspective as a way to look at and make sense of our complex and changing world. Students study basic concepts, principles, and methods of sociological analysis. Subject areas include culture, social structure, socialization, groups, social inequity, and social change, taught using a global perspective. This is an introductory class designed to be a student's first experience with the study of sociology at the college level. Students will be prepared to either go on to higher-level sociology classes and/or use this basic understanding of sociological thinking as a foundation for greater understanding of themselves and society.

Prerequisite: None

Offered: Fall, Spring, Summer

SOC* 114: SOCIOLOGY OF AGING 3 CREDITS

This course provides an overview of the pertinent aspects of aging. Students gain an understanding of the aging process including the biological, psychological, and sociological factors. Physiological changes are discussed from the perspective of life span development. Emotional and behavioral components of aging are presented. The socially changing role of the elderly, and covers contemporary problems that senior citizens face.

Prerequisite: None

Offered: Not regularly offered

SOC* 117: MINORITIES IN THE U.S. 3 CREDITS

This course is a study of the social, economic, and political conditions affecting the status of major ethnic and racial groups in the United States. Attention is focused on selected minority groups, emphasizing patterns of immigration, intercultural conflict, accommodation, and assimilation.

Prerequisite: None

Offered: Not regularly offered

SOC* 120: GROUP DYNAMICS 3 CREDITS

This course is an overview of the dynamics of human interaction in small groups. Students study the dynamics of the small group through direct experience and analysis of group process, and through the major theories of small group development. Topics covered are leadership, roles, nonverbal behavior, communicating, conflict, and power.

Prerequisite: None

Offered: Not regularly offered

SOC* 190: SELF AND OTHERS: DYNAMICS OF DIVERSITY 3 CREDITS

This course explores the meanings of inequality based on factors including class, race, gender, ethnicity and sexual orientation as they structure individual identities, group interaction, life changes and social outcomes. Students use the sociological perspective to explore the intersections of these social differences on both academic and experiential levels. Twenty hours of service learning conducted during the semester is required.

Prerequisite: None

Offered: Fall, Spring, Summer

SOC* 201: CONTEMPORARY SOCIAL ISSUES 3 CREDITS

This course is a comprehensive and critical analysis of problems facing American society. Topics include race, gender, role changes, bureaucracies, education, the family, the young and old, violence, drugs, and homelessness. This course assesses the impact of these problems on American social institutions.

Prerequisite: SOC* 101

Offered: Fall, Spring

SOC* 210: SOCIOLOGY OF THE FAMILY 3 CREDITS

This course uses the sociological perspective to focus on contemporary family structures. Family is one of the major institutions in society. The course emphasizes the sociological aspects of changing family forms from a macro perspective. It examines social forces, including other social institutions, that shape the contemporary American family within a historical context. It explores changing sociological patterns of marriage, power, parenting, family crises, divorce, remarriage and

alternative family lifestyles. The course focuses on the global impact of other social institutions on the family.

Prerequisite: SOC* 101

Offered: Fall, Spring, Summer

SOC* 211: SOCIOLOGY OF GENDER 3 CREDITS

This course examines the processes by which gender is socially constructed, along with the distinction between biological sex and gender, the causes and consequences of gender inequality, and a historical overview of gender relations in different social institutions and societies.

Prerequisite: SOC* 101

Offered: Not regularly offered

SOC* 240: CRIMINOLOGY 3 CREDITS

This course introduces the fundamental principles of criminology: theories related to the causes of crime, trends in criminal behavior, and problems that are encountered in the administration of the current justice system. The course examines the different rehabilitative and treatment services provided to offenders. (See also CJS* 201.)

Prerequisite: SOC* 101

Offered: Fall

SOC* 241: JUVENILE DELINQUENCY 3 CREDITS

This course explores the multifaceted concept of juvenile delinquency, and explores the relationship between social attitudes and definitions of youthful law violations, and examines some of the popular causal factors of juvenile delinquency. (See also CJS* 202.)

Prerequisite: SOC* 101

Offered: Spring

SPANISH

SPA* 101: ELEMENTARY SPANISH I 3 CREDITS

For students with little or no background in Spanish. Stresses pronunciation, aural comprehension, and conversation, as well as the principles of grammar. Reading and writing of simple Spanish are developed.

Prerequisite: None

Offered: Fall, Summer

SPA* 102: ELEMENTARY SPANISH II 3 CREDITS

A continuation of Spanish 101. Expanded grammar, pronunciation, and conversation to improve the reading, writing, and speaking of the language. Elementary reading materials for vocabulary building, exercises, and discussion.

Prerequisite: A grade of C- or higher in SPA* 101

Offered: Spring, Summer

THEATRE

All THR* courses satisfy the Fine Arts requirement.

THR* 107: HISTORY OF FILM 3 CREDITS

Students view and analyze a series of films from the silent era to the present day. They explore the changes that have occurred in this art form, how it is defined, and the varied ways in which it can be understood and appreciated. An understanding of film's unique physical and spatial characteristics begins this study.

Prerequisite: None

Offered: Fall, Spring

THR* 110: ACTING I 3 CREDITS

Students read plays and participate both as actors and critics. They acquaint themselves with theater and engage in improvisations as well as in particular plays. All students do some acting and an attempt is made to videotape student actors engaged in rehearsal and performance. Some writing and directing is possible.

Prerequisite: None

Offered: Fall, Spring

THR* 210: ACTING II 3 CREDITS

The second core-acting course in the Theater Arts curriculum. This course is designed to help students reflect upon their work from Acting I in order to improve their acting skills and technique. Acting II is a performance-based class and all students are required to perform in front of the class for evaluation. The course will focus primarily on scene study and text analysis. Students will have the opportunity to analyze their own acting techniques and skills, and the work of their peers. Units of study will include improvisation, voice, physical action, emotional exploration, monologue study, scene study, and Shakespeare's sonnets. Furthermore, Acting II will allow students to express themselves creatively in a safe, supportive, and nurturing environment.

Prerequisite: THR* 110

Offered: Spring