

ACCOUNTING APPLICATIONS

8209020X

Computing for College & Careers

Overview of current business and information systems. Emphasis on developing proficiency with touch keyboarding and integrated software applications in Word, Excel and PowerPoint.

8203310X

Accounting Applications 1

Introduction to the accounting cycle and emphasizes double-entry accounting and the preparation of financial statements. The use of computers is required.

8203320X

Accounting Applications 2

Continues the study of accounting principles. Content includes voucher systems, cash receipts, petty cash, payroll records and internal control systems.

8203330X

Accounting Applications 3

Applies accounting principles to various business entities and includes methods for determining the cost of merchandise inventory, general ledger account analysis.

ADMINISTRATIVE OFFICE SPECIALIST

8209020X

Computing for College and Careers

Overview of current business and information systems with emphasis on developing proficiency with touch keyboarding, and integrated software applications in Microsoft Word, PowerPoint, and Excel.

8212120X

Business Software Applications 1

This course is designed to develop proficiency in using the advanced features of software programs to perform office-related tasks.

8209510X

Digital Design 1

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; decision-making activities; and digital imaging.

AIR CONDITIONING, REFRIGERATION, AND HEATING TECHNOLOGY

8713010X

Air Conditioning, Refrigeration, and Heating Technology 1

Stresses the understanding of the technical skills required for the heating, air conditioning, refrigeration, and ventilation industries. Includes elements of planning, management, finance, safety, and environmental issues.

8713020X

Air Conditioning, Refrigeration, and Heating Technology 2

Technical skills needed to fabricate and service piping, tubing, and fittings used in the heating, air conditioning, and refrigeration industry.

8713030X

Air Conditioning, Refrigeration, and Heating Technology 3

Students demonstrate a practical knowledge of the electrical components of heating, air conditioning, and refrigeration equipment.

8713040X

Air Conditioning, Refrigeration, and Heating Technology 4

Apply principles of heating, air conditioning, and refrigeration. Assist in the installation of residential heating and air conditioning systems.

ARCHITECTURAL DRAFTING

8725010X

Drafting 1

This course provides students with fundamental knowledge and skills of architectural drawing using Autodesk Revit software, a three dimensional parametric modeling application. Along with acquiring language arts and mathematics knowledge and skills, students will be able to prepare multi-view drawings, prepare sectional views, prepare auxiliary drawings, apply basic dimensioning and describe the importance of professional ethics and legal responsibilities.

8725020X

Drafting 2

This course provides students with intermediate knowledge and skills of architectural drawing using Autodesk Revit software, a three dimensional parametric modeling application. Along with acquiring language arts and mathematics knowledge and skills, students will be able to use information technology tools, prepare pictorial drawings, prepare surface developments, prepare basic architectural drawings, solve problems using critical thinking skills, creativity and innovation, demonstrate understanding of

civil drawings and demonstrate basic electrical/electronic literacy.

8725030X

Drafting 3

This course provides students with advanced knowledge and skills of architectural drawing using Autodesk Revit software, a three dimensional parametric modeling application. Along with acquiring language arts and mathematics knowledge and skills, students will understand how to work within teams, demonstrate an understanding of health, safety and environmental management systems, construct geometric figures, utilize editing commands, control drawing properties by layer, color and line type and demonstrate proficiency in using Revit modeling software by attainment of the student industry credential.

8725040X

Drafting 4

This course provides students with advanced knowledge and skills of architectural drawing using Autodesk Revit software, a three dimensional parametric modeling application. Along with acquiring language arts and mathematics knowledge and skills, students will design, develop, draw and construct an individual architectural model, demonstrate applied math skills, demonstrate science knowledge and skills, demonstrate personal money-management concepts and practices, demonstrate leadership and teamwork skills, and develop employability and entrepreneurship skills.

AUTOMATION & PRODUCTION TECHNOLOGY

9200110X

Automation and Production Technology 1

Program includes instruction in the fundamentals of automation, manufacturing, and engineering technologies. Students will demonstrate proficiency in the use of various mechanisms such as levers and linkages, power transmission systems, pulley systems and gear drives, and v-belt and chain drives.

9200120X

Automation and Production Technology 2

Program includes instruction in the fundamentals of automation, manufacturing, and engineering technologies. Students will demonstrate proficiency in the ability to read and accurately interpret blueprints and schematics, in the use of quality assurance methods and quality control concepts and demonstrate an understanding of thermal technology.

9200130X**Automation and Production Technology 3**

Program includes instruction in the fundamentals of automation, manufacturing, and engineering technologies. Students will demonstrate proficiency in generating and interpreting computer-aided drawings, using measurement tools, instruments and testing devices, demonstrate an understanding of AC/DC electrical and electrical control, and an understanding of fluid power.

9200140X**Automation and Production Technology 4**

Program includes instruction in the fundamentals of automation, manufacturing, and engineering technologies. Students will demonstrate proficiency in computer aided manufacturing and flexible manufacturing planning and control, computer control and robotics, and demonstrate the ability to properly identify, organize, plan, allocate resources, document and produce a mass-produced product.

AUTOMOTIVE COLLISION REPAIR & REFINISHING

8709410X**Automotive Collision Repair & Refinishing 1**

Introduction to use of hand and power tools, panel repairs, use of spray equipment, application of body fillers, paint systems and materials, glass replacement and use of welders. The course content will include the following: basic trade skills. The course content also includes communication, leadership, human relations and employability skills and safe, efficient work practices. Hands-on technical activities are an integral part of the program.

8709420X**Automotive Collision Repair & Refinishing 2**

Application of refinishing skills, sheet metal repair skills, frame aligning, use of fillers, paint systems and undercoats, related welding skills, related mechanical skills, trim-hardware maintenance, glass servicing, and other miscellaneous repairs.

8709430X**Automotive Collision Repair & Refinishing 3**

Projects and research using refinishing skills, sheet metal repair skills, frame aligning, use of fillers, paint systems and undercoats, related welding skills, related mechanical skills, trim-hardware maintenance, glass servicing, and other miscellaneous repairs.

8709440X**Automotive Collision Repair and Refinishing 4**

Instruction in the application of procedures for occupational safety skills and preparation of vehicles for repair. Advanced skills in damage assessment and repair, damage reports at industry standards and standard specifications and crash manual documentation.

8709450X**Automotive Collision Repair and Refinishing 5**

Instruction in various procedures for in structural damage analysis and repair of vehicle structure. Learn to assess damage to auto parts, develop plans for repair and measure and pull frames using manufacture specifications.

AUTOMOTIVE SERVICE TECHNOLOGY

8709410X**Automotive Service Technology 1**

Introduction to the basics of automotive mechanics, including automotive systems, tools, basic service, and safety practices.

8709420X**Automotive Service Technology 2**

Routine maintenance/ consumer services, in heating, air conditioning and engine cooling systems, and in engine theory and repairs.

8709430X**Automotive Service Technology 3**

Diagnosing / troubleshooting electrical / electronic components related to power train and engine performance service.

8709440X**Automotive Service Technology 4**

Operation and servicing of automotive brake systems, heating, air conditioning and engine cooling systems, and in the operation and servicing of manual drive trains and axles.

8709450X**Automotive Service Technology 5**

Operation of steering, suspension and wheel systems, engine theory and repairs, and in engine performance service.

BUSINESS SUPERVISION AND MANAGEMENT

8209020X**Computing for College and Careers**

Overview of current business and information systems with emphasis on developing proficiency with touch keyboarding, and integrated software applications in Microsoft Word, PowerPoint, and Excel.

8215140X**Business Supervision 1**

This course continues the study of business supervisory functions. Students are required to perform higher-level thinking and decision-making and to use technology as a resource to efficiently perform communications activities.

8215150X**Business Supervision 2**

This course continues the study of business supervisory/management functions and business law concepts. Students are required to perform higher-level thinking and decision-making and to use technology as a resource to efficiently perform supervisory functions.

COMMUNICATIONS TECHNOLOGY

8601010X**Communications (Graphic Arts) Technology 1**

A study of the processes and technical skills found in visual technologies, design and printing, multimedia production, computer animation and graphics, web page design, digital and electronic media/communication and other new and emerging technologies.

8601020X**Communications (Graphic Arts) Technology 2**

Application of the processes and technical skills found in visual technologies, design and printing, multimedia production, computer animation and graphics, web page design, electronic media/communication and other new and emerging technologies.

8601020X**Communications (Graphic Arts) Technology 3**

Research and design projects in one or more visual technologies, design and printing, multimedia production, computer animation and graphics, web page design, digital and electronic media/communication and other new and emerging technologies.

CONSTRUCTION TECHNOLOGY

8600710X**Construction Technology 1**

Safe use of construction tools, machines, and equipment. Activities include basic carpentry, masonry, wiring, plumbing, reading architectural plans, and estimating construction costs. Occupation information, employability skills, and leadership skills, are also included.

8600720X**Construction Technology 2**

Continues study and hands-on activities related to the technology of designing, planning, and constructing.

8600730X**Construction Technology 3**

Advanced individual study related to the student's specific area or areas of interest in construction technology.

CRIMINAL JUSTICE OPERATIONS

8928010X**Criminal Justice Operations 1**

Introduction to the fields of law enforcement, the court and correctional system, career opportunities in these fields, interpersonal, communication, and employability skills.

8928020X**Criminal Justice Operations 2**

This course is designed to develop competencies in patrol, traffic control, defensive tactics and physical proficiency skills, and first aid and CPR skills.

8918030X**Criminal Justice Operations 3**

Develops competencies in crime and accident investigation procedures, forensic science tasks, crime prevention, and property control procedures.

CULINARY ARTS

(High School Courses)**8800510X****Culinary Operations 1**

This course is designed to acquaint students with procedures in a commercial kitchen. Topics covered are, safety, breakfast, vegetable, and starch cookery. The second semester is based on commercial baking and includes breads, cakes, and pies. Lab fee required.

8800520X**Culinary Operations 2**

Students will acquire knowledge and skill in the preparation of food. Included are basic principles and techniques of food preparation, use of recipes, use and care of equipment. The student will acquire the knowledge, principles, and skills necessary for service and quantity food preparation used by cafeterias, restaurants, and institutions. ServSafe®, Certified Professional Food Manager (NRLAEF), credential will be attained by students. Lab fee required. This course requires block course with Culinary Operations 3 8800530X.

8800530X**Culinary Operations 3**

This course will illustrate the fundamentals of pastry science, equipment, technology, ingredients, formula conversions, and costing. Product preparations will include cakes, icings, fillings, puff pastries, classical pastries and petit fours. Designed to develop the student's understanding and skills appropriate to a variety of cooking techniques typical of various regions throughout the world. Diversity of menu, available foods, ingredients, and cultures will be studied. Students will have the opportunity to prepare complete meals typical of several cultures during the term. You'll research and prepare representative regional menu items from the European, American, Asian, and African continents. Timing, organization, mise en place, and plate presentation are stressed. Contemporary trends will be included. Lab fee required. This course requires block course with Culinary Operations 2 8800520X.

(Dual Enrollment Courses)**FSS 0208X****Food Production 1 (Stocks and Sauces)**

Students will acquire knowledge and skill in the preparation of food. Included are basic principles and techniques of food preparation, use of recipes, use and care of equipment. ServSafe®, Certified Professional Food Manager (NRLAEF), credential will be attained by students. This course requires block course with Food Productions 2 FSS 0228 and dual enrollment with BCC.

FSS 0228X**Food Production 2 (Presentation and Service)**

The student will acquire the knowledge, principles, and skills necessary for service and quantity food preparation used by cafeterias, restaurants, and institutions. This course requires block course with Food Productions 1 FSS 0208 and dual enrollment with BCC.

FSS 0064X**Pastries and Desserts**

This course will illustrate the fundamentals of pastry science, equipment, technology, ingredients, formula conversions, and costing. Product preparations will include cakes, icings, fillings, puff pastries, classical pastries and petit fours. This course requires block course with Regional Cuisine FSS0740 and dual enrollment with BCC.

FSS 0740**Regional Cuisine - American and International**

Designed to develop the student's understanding and skills appropriate to a variety of cooking techniques typical of various regions throughout the world. Diversity of menu, available foods, ingredients, and cultures will be studied. Students will have the opportunity to

prepare complete meals typical of several cultures during the term. You'll research and prepare representative regional menu items from the European, American, Asian, and African continents. Timing, organization, mise en place, and plate presentation are stressed. Contemporary trends will be included. This course requires block course with Pastries and Desserts FSS 0740 and dual enrollment with BCC.

DENTAL AIDE

8417100X**Health Sciences 1**

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

8417110X**Health Sciences 2**

This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course.

8417141X**Dental Aide 3**

Use dental terminology; identify equipment, specialty procedures, and functions and pathologies of dental anatomy. Learn legal and ethical responsibilities of the dental health care worker.

DIGITAL DESIGN

8209020X**Computing for College & Careers**

Overview of current business and information systems. Emphasis on developing proficiency with touch keyboarding and integrated software applications in Word, Access, Excel and PowerPoint.

8209510X**Digital Design 1**

Develops basic entry-level skills required by the digital publishing industry. Includes computer skills, digital publishing concepts and operations, layout, design and digital imaging.

8209520X**Digital Design 2**

Continues the development of basic entry-level skills required by the digital publishing industry.

8209530X**Digital Design 3**

Application of industry-standard skills and includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities.

DRAFTING / ILLUSTRATIVE DESIGN TECHNOLOGY

8600810X**Drafting / Illustrative Design
Technology 1**

This course provides students with fundamental knowledge and skills of technical drawing using AutoCAD software. An introduction to the core concepts of technology attributes of design, engineering design, application of the design process, and applications common to all types of drafting.

8600820X**Drafting / Illustrative Design
Technology 2**

This course provides students with advanced skills in engineering drawing, architectural drawing, technical illustration using AutoCAD, Revit and Inventor software. Students are also introduced to the Autodesk Certified User Examination objectives through the use of the CAD Learning web portal. Students produce architectural drawings to industry standards; produce reverse engineered drawings (as built) from a solid object; and solve design problems using critical thinking skills, creativity and innovation.

8600230X**Drafting / Illustrative Design
Technology 3**

This course provides students with advanced individual study that is concentrated in one or more areas of the student's specific area of interest in drafting, i.e., architectural, mechanical, electrical, and/or civil. Students demonstrate and present a research and design project. Students demonstrate leadership and teamwork skills and learn the importance of employability skills and entrepreneurial skills.

EARLY CHILDHOOD EDUCATION

(High School Course Offerings)**8405110X****Early Childhood Education 1**

Covers competencies for the 30 hour DCF mandated training and the 10 hour preschool appropriate practices course.

8405120X**Early Childhood Education 2**

This course covers competencies on professionalism, community resources,

the importance of relationship skills and communicating with children's families, use of technology in the child care profession, and observing and recording methods.

8405130X**Early Childhood Education 3**

This course includes competencies in developing lesson plans, child development theories, factors that affect the development of a child, and developmentally appropriate practices and activities for infants/toddlers, preschoolers, and school-age children. Also covered are components on working with students with special needs, classroom management techniques and creating optimum environments for all children.

8405140X**Early Childhood Education 4**

Applications of competences in mentoring, workshop development, team building, advocacy, brain research and professional development prepare students to be child development specialists.

(Dual Enrollment Course Offerings)**EEC 1001X****Introduction to Early Childhood
Education**

Introduction to theories, philosophies, programs and methods in early childhood education. One of three courses that combined meets the CDAE requirements for the state of Florida.

EEC 1200X**Early Childhood Education**

Preparation of child learning centers through choosing and constructing learning materials used in instructing children in music, art, math, science, literacy, fine and gross motor skills. One of three courses that combined meets the CDAE requirements for the state of Florida. Music, art, math, science, literacy, and fine and gross motor. One of three courses that combined meets the CDAE requirements for the State of Florida.

EEC 2710X**Conflict Resolution in Early Childhood
Education**

Students will learn create safe, caring and respectful learning environments for young children and their families using professional techniques. One of three courses that combined meets the CDAE requirements for the State of Florida.

CHD 1200X**Infant/Toddler Development**

Students will study the physical, social, emotional, and cognitive development of infants and toddlers while participating in the care giving environment.

ENGINEERING TECHNOLOGY

8600570**Engineering Technology 1**

Understand and demonstrate the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving. Demonstrate the abilities to apply the design process

8600670**Engineering Technology 2**

Demonstrate an understanding of the relationships among technologies and the connection between technology and other fields of study, influence of technology on history and demonstrate and apply troubleshooting, research and development, invention and innovation, and experimentation in problem solving using technological tools and theory.

8601770**Engineering Technology 3**

Engineering Tech 3 includes further exploration and application of the design process and problem-solving practice. This course includes application of safety procedures applying transferrable skills with various aspects of technology including advanced computer applications, and specialized tools, equipment, instruments, materials, processes and systems related to occupations in this industry.

ENVIRONMENTAL WATER TECHNOLOGY

8007110X**Introduction to Environmental Water
Technology**

This course is designed to develop competencies in the area of hydrology, safety skills and procedures, geological principles of water resources, management of wetlands, storm water systems, environmental water resources, equipment and facility maintenance, scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8007120X**Intermediate Environmental Water
Technology**

This course is designed to develop competencies in the area of standards and regulations, site assessments, safety, managing data and physical resources, prepare a plan, perform remediation, collect and dispose of solid waste, record keeping and sampling procedures, career opportunities, leadership, teamwork, and money management concepts.

Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8007130X**Advanced Environmental Water Technology**

This course is designed to develop competencies in the area of career opportunities, scientific concepts in water treatment, safety hazards, government regulations, facility operational principles, and equipment inspections. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment. This course prepares students for the Florida Department of Environmental Protection Operator Certification Program Level C Examination.

FASHION DESIGN SERVICES**8506405X****Design Services Core**

Introduction to operation and maintenance of a conventional sewing machine and garment construction, employment opportunities, basic skills, leadership and organizational skills, selection, usage and care of tools, equipment and supplies, textile characteristics and care, and safety procedures.

8506410X**Principles of Fashion Design Services**

Operate sewing machines, safety procedures, material selection and preparation, tools, usage, and selection of specialized equipment including a serger and intermediate - advanced garment construction.

8506420X**Pattern Design Technology**

Apply and understand advanced garment industry components, textile qualities, commercial sewing skills, garment alteration, employability skills, and entrepreneurship in the apparel industry.

8506430X**Fashion Design Specialist**

This course is the fourth course in the Fashion design Services program. It is designed to further develop competencies in the area of fashion design services. This course focuses on five specialty areas of fashion design services; window display, fashion design assistant, tailor's assistant, personal shopper, and stylist.

FINANCE**8815150X****Finance & Business Technology**

An overview of current business, finance, and information trends. Emphasis is placed on developing proficiency with fundamental computer applications.

8815110X**Financial Operations**

Basic principals in macro and microeconomics. Additional emphasis placed on money, credit, banking, and modern trends in the finance industry.

8815120X**Personal Financial Planning**

Organization in planning for the use of economic resources and financial products available through a study of savings, credit, insurance, banking and financial goals.

8203310X**Accounting Applications I**

Introduction to the accounting cycle and basic accounting concepts. Emphasis is placed on the use of special journals, ledgers, controlling accounts, as well as analysis and interpretation of financial reports.

8815130X**Financial Internship**

These internships provide students the opportunity to demonstrate human relations, communications and employability skills necessary for entry-level employment in the financial services industry.

GEOSPATIAL / GEOGRAPHIC INFORMATION SYSTEMS (GIS) TECHNOLOGY**8600260X****Introduction to GIS/RS Technology**

Specific areas of focus include fundamental GIS and remote sensing concepts, project management strategies, and essential basic computer skills.

8600270X**Essential GIS/RS Tools & Processes**

Mapping and cataloging numerous geospatial applications applying the techniques of displaying, managing, querying, symbolizing, and creating geospatial data for advanced GIS/RS projects.

8600280X**GIS/RS analysis & Modeling**

Directs students through applications of surface analysis, displaying and processing data, non-elevation 3-D, raster and vector data, animating data, and exporting projects.

8600290X**Advanced GIS/RS Applications**

Project-based capstone course challenging students to apply all skills and techniques to create extensive GIS/RS projects.

HEALTH & WELLNESS**8417100X****Health Sciences 1**

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

8417110X**Health Sciences 2**

This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course.

8417120X**Health and Wellness 3**

This course prepares students to be employed as Personal Trainers. Content includes, but not limited to, identifying and practicing within the appropriate scope of practice for a personal trainer, develop and implement exercise programs for apparently healthy individuals or those who have medical clearance to exercise, proficiency in the appropriate fitness equipment used, as well as a foundation in the musculo-skeletal system of the body.

HOSPITALITY & TOURISM**8850110X****Introduction to Hospitality & Tourism**

Introduce students to skills necessary for success in the hospitality and tourism industry, economic, marketing, and sales fundamentals of the industry.

8845140X**Computer Technology for Travel and Tourism**

Develop entry-level skills for computer-related careers in the travel and tourism industry.

8845120X**Travel and Tourism Marketing and Management**

Provides career specific instruction in travel and tourism and includes sales techniques, marketing principles, and entrepreneurship skills.

8845130X**Hospitality & Tourism Internship**

Students demonstrate human relations, communication, employability skills necessary for entry-level employment in the hospitality and tourism industry.

INTERIOR DESIGN SERVICES

8506405X**Design Services Core**

Introduction to the basic skills for working in design services, leadership and organizational skills, basic principle of design, textile characteristics and care, employability skills, relationship of human factors to design services, safe use of tools and equipment, and selection of appropriate materials.

8506540X**Principals of Interior Design Services**

Students further develop competencies in the area of interior design services including employment opportunities, basic skills, the elements and principle of design, and sales techniques and entrepreneurship.

8506550X**Interior Design Techniques**

Designed to further develop competencies in the area of interior design, this course includes components of the design process, the effect of history and culture on design, sketching and free hand drawing, the impact of human, environmental and ergonomic factors on design, rendering techniques and the development of a design project.

8506560X**Interior Design Specialist**

Focus is on specialty areas, kitchen and bath design, floor, wall and window treatments, furniture, lighting and accessories; audio and visual and security systems. Student will develop a design project and finalize and submit a portfolio.

INTERNATIONAL BUSINESS

8209020X**Computing for College and Careers**

Overview of current business and information systems with emphasis on developing proficiency with touch keyboarding, and integrated software applications in Microsoft Word, PowerPoint, and Excel.

8203310X**Accounting Applications 1**

This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of

assets, incurrence of liabilities, and changes in equity; and the preparation of financial statements.

8216110X**International Business Systems**

This course is designed to prepare students to live and work in a global economy. Students develop an understanding of business principles, management styles, economics, and customs which affect business systems in the international environment

8216120X**International Finance and Law**

This course is designed to introduce students to the laws and regulations governing international trade including knowledge of import-export activities, banking, treaties, and currency exchange rates.

MARINE SERVICE TECHNOLOGY

8751010X**Marine Service 1**

Introduction to marine industry standards, including basic maintenance and repair of four-stroke engines, two-stroke engines, and electrical systems.

8751020X**Marine Service 2**

Concentrates on routine maintenance of fuel systems, two-stroke cycle carburetors and marine trailers. Skills are developed in sales, communications, math, science, employability, and entrepreneurship.

8751030X**Marine Service 3**

Focus on the skills needed to be parts specialist and computer skills needed in the marine service industry. Maintenance and repair of cooling and lubrication systems are a significant component of lab activity.

8751040X**Marine Service 4**

Maintenance and repair of two-stroke cycle outboard engines, outboard fuel systems, and cooling systems.

8751050X**Marine Service 5**

Outboard lubrication systems, lower cases, cranking systems, and magneto systems.

8751060X**Marine Service 6**

Maintenance and repair of outboard battery ignition systems, capacitor discharge ignition systems, and outboard charging systems.

MARKETING

8827110X**Marketing Essentials**

Develop fundamentals skills of marketing and selling as well as human relations, employability, communication, and economic skills.

8827120X**Marketing Applications**

In-depth study of marketing in a free enterprise society and skills required for entry level employment in a wide variety of marketing occupations.

8827130X**Marketing Management**

Applying skills related to marketing functions and required for success in the marketing industry.

8800410X**Marketing Cooperative Education – OJT**

Enhance and further develop marketing competencies through a paid, supervised, on-the-job training experience.

MECHANICAL DRAFTING

8725010X**Drafting 1**

This course provides students with fundamental knowledge and skills of mechanical drawing using Autodesk AutoCAD and Inventor software (a three dimensional parametric modeling application). Along with acquiring language arts and mathematics knowledge and skills, students will be able to prepare multi-view drawings, prepare sectional views, prepare auxiliary drawings, apply basic dimensioning and describe the importance of professional ethics and legal responsibilities.

8725020X**Drafting 2**

This course provides students with intermediate knowledge and skills of mechanical drawing using Autodesk Inventor software (a three dimensional parametric modeling application). Along with acquiring language arts and mathematics knowledge and skills, students will be able to use information technology tools, prepare pictorial drawings, prepare surface developments, prepare basic architectural drawings, solve problems using critical thinking skills, creativity and innovation, demonstrate understanding of civil drawings and demonstrate basic electrical/electronic literacy.

8725030X**Drafting 3**

This course provides students with advanced knowledge and skills of mechanical drawing using Autodesk Inventor software (a three dimensional parametric modeling application). Along

with acquiring language arts and mathematics knowledge and skills, students will understand how to work within teams, demonstrate an understanding of health, safety and environmental management systems, construct geometric figures, utilize editing commands, control drawing properties by layer, color and line type and demonstrate proficiency in using Inventor modeling software by attainment of the student industry credential.

8725040X Drafting 4

This course provides students with advanced knowledge and skills of mechanical drawing using Autodesk Revit software (a three dimensional parametric modeling application). Along with acquiring language arts and mathematics knowledge and skills, students will design, develop, draw and construct an individual architectural model, demonstrate applied math skills, demonstrate science knowledge and skills, demonstrate personal money-management concepts and practices, demonstrate leadership and teamwork skills, and develop employability and entrepreneurship skills.

MEDICAL OFFICE SPECIALIST

8209020X

Computing for College and Careers
Overview of current business and information systems with emphasis on developing proficiency with touch keyboarding, and integrated software applications in Microsoft Word, PowerPoint, and Excel.

8212201X

Medical Office Technology 1

This course is designed to assist with administrative office duties and procedures specific to the medical environment. The course explores and expands the competencies learned in Administrative Office Technology 1 and promotes application of higher level office procedures tasks and communication skills.

8212202X

Medical Office Technology 2

This course expands the competencies learned in Medical Office Technology 1. Students are required to perform higher level thinking and decision making and to use technology as a resource to efficiently perform systematic procedural tasks and to produce quality work in an efficient manner.

NEW MEDIA TECHNOLOGY

8209020X

Computing for College and Careers
Overview of current business and information systems with emphasis on developing proficiency with touch keyboarding, and integrated software applications in Microsoft Word, PowerPoint, and Excel.

8207410X

New Media and Digital Imaging Fundamentals

This course provides an overview of presentation guidelines and design elements associated with various presentation types. Effective digital photography composition and digital imaging software features including optimizing digital photographs for Web publication are covered. Students will create an electronic slide presentation using presentation software.

8207420X

Digital Video and Sound Fundamentals

This course covers advanced planning and video editing for multimedia presentations. Students design presentations through various steps of development, implementation, and final output.

8207110X

Web Design Fundamentals

This course is designed to provide a basic overview of the Internet, Intranet, and WWW. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design.

NURSING ASSISTANT (PATIENT CARE ASSISTANT)

HSC 1000X

Introduction to Health Care

The course focuses on core concepts common to all health care occupations. Content includes health care delivery systems with emphasis on health occupations, communication skills, legal and ethical responsibilities, wellness and disease concepts, infection control, CPR, introductory first aid and safety, medical terminology, employability and computer skills. Students will receive AHA CPR, oxygen therapy and dual transport skills. This course requires dual enrollment with BCC.

HSC 1532X

Advanced Medical Terminology

Advanced review of medical language used throughout the healthcare delivery system. Emphasis is placed on anatomy, physiology and pharmaceutical terms. Emphasis will also be placed on the ability

to infer understanding of medical subjects, communicate utilizing medical terminology with proper pronunciation and spelling. This course requires dual enrollment with BCC.

SOW 1051X

Human Service Experience 1

Course provides students with a service-learning experience in a public/social service organization. Students will complete 20 hours of volunteer work. Evaluation based on service documentation, written reflective work, and seminar participation. This course requires dual enrollment with BCC.

HSC 1000X

Introduction to Health Care

Introduction to core concepts common to all health care occupations, the health care delivery system, legal and ethical responsibilities, wellness and disease concepts, infection control, CPR, first aid and safety skills.

HCP 0310X

Home Health Aid

Florida requirements for the Home Health Aide including classroom and clinical experience. Includes skills and knowledge in communication, legal and ethical responsibilities, comfort and safety functions, nutrition and infection control.

HSC 1531X

Medical Terminology

Introduction to the language of medicine is the central focus of this AA dual enrollment course. Emphasis on word building with prefixes, suffixes, and word roots commonly used in medical communication throughout the health care delivery system. Recommended course for anyone pursuing a medical career.

HCP 0120X

Nursing Assistant

Classroom, laboratory and clinical course prepares for employment as a Nursing Assistant. Basic patient care principles and the role of the Nursing Assistant in delivering resident care. Content includes nutrition, physical comfort and safety functions, personal patient care, and infection control. Special emphasis is placed on the care of the geriatric resident in the long-term care setting.

HCP 0620X

Patient Care Assistant

Clinical experiences, at a local hospital, including the care of patients with acute common health problems, pre- and post-op patients and special procedures.

PATHWAYS TO ENGINEERING (PLTW)

8600550X

Introduction to Engineering Design

Course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

8600520X

Principles of Engineering

Helps students understand the field of engineering by exploring various technology systems and manufacturing processes.

8600530X

Digital Electronics

Course in applied logic that encompasses the application of electric circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

8600620X

Aerospace Engineering

Introduces students to the world of aeronautics, flight, and engineering.

8600650X

Engineering Design and Development

Provides students with an advanced understanding of the knowledge, human relations, and technological skills found in the engineering profession.

PC (COMPUTER) SUPPORT SERVICES

8209020X

Computing for College & Careers

An overview of current business and information systems. Introduces the basic skills and foundation for today's business environments. Emphasis on developing proficiency with touch keyboarding and integrated software applications in Word, Access, Excel and PowerPoint.

8207210X

PC Support 1

Provides entry-level skills in computer repair. Emphasis on developing an understanding of various computer software applications and identifying computer hardware components.

8207220X

PC Support 2

Instruction continues in the development of entry-level skills in computer repair. Content includes application and operating systems software, electronic communication via the Internet and an introduction to computer networking.

8207230X

PC Support 3

Develops advanced skills for employment. Content includes advanced software application, interrelationships among major network components, hardware installation, and selection of electronic communications hardware and software.

TEACHER ASSISTING

8909010X

Teacher Assisting 1

Designed to develop competencies related to the career path of teacher assistant, educational leadership, CTSO activities, instructional technology, appropriate student behavior, and educational support tasks. Requires 10 hours of documented field experience

8909020X

Teacher Assisting 2

Develop competencies in the legal factors related to education, creating assessments, supervision of student health and safety, diversity awareness, and strategies to support students' learning activities. Requires 15 additional hours of documented field experience.

8909030X

Teacher Assisting 3

Applications to support learning activities that involve literacy, multiple intelligences, and the ability to prepare classroom materials. Requires an additional 25 hours of documented field experience as well as developing a student portfolio.

8909040X

Teacher Assisting 4

Competencies related to employability skills, developing relationships, interpersonal skills, and professionalism. Requires an additional 50 hours of documented field experience and the completion of a student portfolio.

TELEVISION PRODUCTION

8772110X

Television Production 1

Introduction to overall production of television studio activities including scripts, lighting, filming and directing, electronic news gathering, field production, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices. Studio activities are an integral part of this program. Instruction in camera principles, audio and video control, lighting methods, control room operation, station operation, and set preparation.

8772120X

Television Production 2

Application of overall production of television studio activities including scripts, lighting, filming and directing, electronic

news gathering, and field production, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices.

8772130X

Television Production 3

Research and advanced application of overall production of television studio activities including scripts, lighting, filming and directing, electronic news gathering and field production, communication skills, leadership skills, human relations and employability skills and safe and efficient work practices.

WEB DESIGN

8209020X

Computing for College & Careers

Overview of current business and information systems. Emphasis on developing proficiency with touch keyboarding and integrated software applications in Word, Access, Excel and PowerPoint.

8207110X

Web Design Fundamentals

Overview of the Internet, intranet and WWW. Content includes operating systems, basic HTML commands, navigation of the Internet, Intranet, and Web and Web Page Design.

8207120X

Web Design 2

Provides advanced concepts for Internet, Intranet, and Web design. Content includes Internet/Intranet tools, Web Site promotion, advanced HTML commands, advanced page design, and multimedia applications.

8207130X

Web Design 3

Provides advanced concepts in HTML, design applications, and Internet tools.