

PSAV Course Descriptions

AER 0010C

Introduction to Automotive Technology

Vocational Credits 5.00

Clock Hours 150.00

A general introduction to the procedures related to automotive shop safety, tool and equipment orientation, hazardous waste handling and disposal, the use of service information, mathematical computations commonly used in the automotive industry, preventive maintenance services, employability and communication skills.

AER 0199C

Engine Repair

Vocational Credits 5.00

Clock Hours 150.00

An in depth study of engine operations, engine components, construction and materials, engine problem diagnosis to include engine removal and replacement, engine disassembly, inspection and reassembly to manufacturer's specifications.

AER 0299C

Automatic Transmissions & Transaxles

Vocational Credits 5.00

Clock Hours 150.00

Student technicians will learn the theory of operation, inspection, testing, diagnosis, in vehicle services, and overhaul of automatic transmissions and transaxles. Component analysis includes: planetary gears, multiple disc clutches, bands, hydraulic systems and controls, torque converters, electrical, and electronic controls.

AER 0399C

Manual Transmissions & Drivelines

Vocational Credits 5.00

Clock Hours 150.00

A theoretical and practical application course of study that includes the diagnosis, service and repair of four and five speed manual transmissions and transaxles, mechanical and hydraulic clutch systems, front and rear wheel drive axles, all wheel drive systems (AWD) and 4X4 transfer cases and drive systems.

AER 0499C

Suspension & Steering Systems

Vocational Credits 5.00

Clock Hours 150.00

Students will learn the design, components, theory of operation, inspection, diagnosis, and service of suspension and steering systems. Component analysis will include front and rear suspensions, steering linkages, steering gears, steering columns, wheels, tires, and alignment angle measurement and adjustment.

AER 0599C

Brake Systems

Vocational Credits 5.00

Clock Hours 150.00

Students will learn the theory of operation, testing, diagnosis, and service of brake systems. Specific component analysis will include drum and disc brakes, hydraulic controls, power assist units, parking brakes, braking electrical circuits, and antilock braking systems.

AER 0691C

Electrical/Electronic Systems I

Vocational Credits 5.00

Clock Hours 150.00

This course provides an in depth study of automotive electrical systems including interpreting wiring diagrams and using testing and diagnostic equipment. Specific component analysis includes batteries, starting systems, charging systems, lighting systems, gauges, and power accessories (windows, door locks, windshield wipers, etc.).

AER 0692C

Electrical/Electronic Systems II

Vocational Credits 5.00

Clock Hours 150.00

This course facilitates an advanced study of automotive electrical systems including interpreting wiring diagrams and using testing and diagnostic equipment. Specific activities include the testing, diagnosis, and service of cruise control systems, supplemental restraint systems, anti theft systems, and body electronic controls.

AER 0797C

Air Conditioning & Heating Systems

Vocational Credits 5.00

Clock Hours 150.00

Provides the student with an in depth examination of air conditioning and heating system operation including title IV of the Clean Air Act. Students will receive hands on instruction in industry accepted practices for recovery and recycling of refrigerants, service, repair, testing, and diagnosis of automotive air conditioning systems using state of the art tools and equipment.

AER 0891C

Engine Performance I

Vocational Credits 5.00

Clock Hours 150.00

Provides an in depth study of the fuel, ignition, and emission control systems of an automobile. Major topics include engine operation, solid state ignition, electronic fuel injection and the use of comprehensive engine systems tests to isolate and repair common engine performance and emission system malfunctions.

AER 0892C**Engine Performance II**

Vocational Credits 5.00

Clock Hours 150.00

An advanced course that focuses on electronic engine control, component identification, and diagnostic methods servicing engines. Students will learn to use modern diagnostic tools including scan tools, exhaust gas analyzers, digital storage oscilloscopes and chassis dynamometers.

AER 0949C**Auto Tech Co Op Work Experience**

Vocational Credits 5.00

Clock Hours 150.00

Designed to provide the student with on the job experience in all phases of the automotive service and repair industry.

ARR 0020**Estimating**

Vocational Credits 3.33

Clock Hours 100.00

Covers topics related to analyzing damage, creating a damage report using manual and computerized methodologies.

ARR 0110**Welding & Cutting**

Vocational Credits 3.33

Clock Hours 100.00

Covers topics related to MIG (GMAW) welding, cutting and heating processes and advanced welding methods.

ARR 0121**Refinishing**

Vocational Credits 10.00

Clock Hours 300.00

Covers topics related to safety and environmental practices, understanding automotive finishes, preparing the equipment, paint area and refinish materials, tinting, applying the finish, blending, solving paint application problems, finish defects causes cures and detailing.

ARR 0240**Plastic Repair**

Vocational Credits 3.33

Clock Hours 100.00

Covers topics related to identification and repair decisions, adhesive repairs, welding repairs, repair of padded dashes, SMC repairs and refinishing of plastics.

ARR 0290**Structural Repair**

Vocational Credits 5.00

Clock Hours 150.00

This course covers topics related to damage analysis, straightening structural parts, full or partial panel replacement, stationary glass replacement and restoring corrosion protection.

ARR 0310**Non Structural Repair**

Vocational Credits 5.00

Clock Hours 150.00

Covers topics related to preparation, panel replacement and alignment, trim and hardware, metal straightening, body fillers, door skin and intrusion beam replacement, quarter panel replacement and moveable glass and hardware.

ARR 0374**Mechanical & Electrical Repair**

Vocational Credits 3.33

Clock Hours 100.00

This course covers topics related to steering and suspension, electrical and electronic systems, brake systems, air conditioning, cooling systems, drive trains, fuel, intake and exhaust systems and restraint systems.

ARR 0940**Auto Collision Internship**

Vocational Credits 13.33

Clock Hours 400.00

Designed to provide students with the occupational experience of an auto collision repair technician on a daily and ongoing basis.

CJD 0236**Police Service Aide**

Vocational Credits 6.86

Clock Hours 206.00

Course will introduce the students to the job tasks of parking enforcement and traffic crash management. These tasks, with other functions are performed by civilian service aides employed within police agencies.

CJD 0480**Emergency Preparedness**

Vocational Credits 0.86

Clock Hours 26.00

The skills needed for riot and disturbance control and firefighting are studied and practiced. Lectures include methods of riot prevention, handling, and unusual occurrences. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0632**Field Supervision****CJD 0704****Criminal Justice Defensive Tactics**

Vocational Credits 3.53

Clock Hours 106.00

Provides skills needed by officers to understand the incarcerated society, with emphasis upon supervision methods. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0705**Criminal Justice Weapons**

Vocational Credits 2.13

Clock Hours 64.00

Provides instruction in the use of firearms, including handguns and shotguns, safety procedures and ammunition use. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0710**Criminal Justice Legal I Comb**

Vocational Credits 1.80

Clock Hours 54.00

CJD 0711**Criminal Justice Legal II Comb**

Vocational Credits 1.73

Clock Hours 52.00

CJD 0712**Criminal Justice Communication Comb**

Vocational Credits 2.06

Clock Hours 62.00

CJD 0713**Interpersonal Skills Comb**

Vocational Credits 2.20

Clock Hours 66.00

CJD 0715**Physical Conditioning**

Vocational Credits 0.80

Clock Hours 24.00

A physical conditioning curriculum, as developed by the Hillsborough County Sheriff's Office, to properly assess fitness levels of corrections and law enforcement recruits, and to provide an exercise program to enhance their performance.

CJD 0723**Vehicle Operations****Vocational Credits 1.06**

Clock Hours 32.00

The components of the police driving environment are explored and practical exercises on the driving range are conducted. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0730**Law Enforcement Legal III**

Vocational Credits 1.06

Clock Hours 32.00

Provides an overview of various criminal laws and the proper application of these laws by officers.

CJD 0731**Law Enforcement Patrol**

Vocational Credits 2.13

Clock Hours 64.00

Addresses the daily skills and techniques needed by officers to perform patrol tactics and respond to various types of calls. Methods of approach to various high risk situations are explored, with practical exercises included. Unusual occurrence events, including firefighting and crowd control, are addressed. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0732**Law Enforcement Traffic**

Vocational Credits 1.53

Clock Hours 46.00

Studies traffic enforcement and control, with the inclusion of DUI offenses and enforcement, traffic accident investigation, scene management and reporting procedures. Objectives are addressed as specified by the Criminal Justice Standard and Training Commission.

CJD 0734**Law Enforcement Investigations**

Vocational Credits 2.13

Clock Hours 64.00

Addresses the investigation of various crimes, including property, person, vice, search and seizure concepts, rules of evidence, and surveillance techniques. Techniques are developed from initial observation methods, through the processing of crime scene and case preparation.

CJD 0760**Criminal Justice Legal I**

Vocational Credits 1.53

Clock Hours 46.00

Provides an introduction to the criminal justice system. The Criminal Justice Standards and Training Commission, professional behavior, human behavior and needs, as well as, crime prevention techniques, organized crime, the law enforcement organization, court procedure and demeanor are demonstrated, with emphasis on rules, trial procedures, and legal defenses.

CJD 0761**Criminal Justice Legal II**

Vocational Credits 1.60

Clock Hours 48.00

Provides insight into the history and evolution of laws, legal terms, constitutional law, and civil and criminal liability of officers is studied.

CJD 0762**Communications**

Vocational Credits 1.86

Clock Hours 56.00

The report writing process, from interview, taking statements, note taking, through the final report is addressed. Communication skills are covered, along with radio and telephone procedures. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 0763**Law Enforcement Interpersonal Skills I**

Vocational Credits 2.20

Clock Hours 66.00

Provides insight into the intervention techniques for various situations, with emphasis on the needs of diverse groups juveniles, elderly, ethnic, and cultural. Offered for law enforcement academy students.

CJD 0781**Cross Over Enforcement**

Vocational Credits 1.60

Clock Hours 48.00

CJD 0790**Correctional Probation Legal**

Vocational Credits 2.00

Clock Hours 60.00

CJD 0791**Correctional Probation Operations**

Vocational Credits 0.53

Clock Hours 16.00

CJD 0792**Correctional Probation Interpersonal**

Vocational Credits 2.26

Clock Hours 68.00

CJD 0793**Correctional Probation Communication**

Vocational Credits 2.33

Clock Hours 70.00

In this course the student will learn FCIC/NCIC systems, management information systems, report writing procedures, note taking, taking statement procedures, and interviewing techniques.

CJD 0794**Correctional Probation Supervision**

Vocational Credits 1.80

Clock Hours 54.00

In this course the student will learn supervision techniques, social service agency referral procedures, recognizing deception and manipulation, case management, community supervision programs, fiscal procedures, transferring supervision, victim/witness assistance procedures, domestic violence intervention, suicide intervention, recognition of commonly abused drugs, and child abuse.

CJD 0795**Correctional Probation Firearms**

Vocational Credits 0.53

Clock Hours 16.00

In this course the student will learn firearms safety procedures, common types of ammunition used in handguns and shotguns, basic principles of shooting a handgun and shotgun, chemical agent terminology, types of chemical agents, exposure symptoms, first aid and decontamination procedures, dissemination methods, and procedures for donning a gas mask.

CJD 0800**Bail Bonds**

Vocational Credits 4.00

Clock Hours 120.00

In this course the student will learn how to apprehend and detain defendants, surrender defendants to the proper authorities, execute and sign bonds, handle collateral receipts, and deliver bonds to the proper authorities.

CJD 0939**Testing Review**

Vocational Credits 0.47

CJK 0006**Introduction to Law Enforcement 1 6**

Vocational Credits 2.23

Clock Hours 67.00

This module includes units of instruction in the following topics: The Florida Criminal Justice System, Constitutional Law and Florida Statutes, Criminal Justice Values and Ethics, Communication and Interpersonal Skills, and Human Interaction.

CJK 0007**Introduction to Law Enforcement**

Vocational Credits 0.36

Clock Hours 11.00

CJK 0008**Legal**

Vocational Credits 2.30

Clock Hours 69.00

Students will learn to act properly and effectively as law enforcement officers without infringing on citizens' rights, and they will have an understanding of federal, state, and local laws. Students will also become familiar with case law and how it interprets and further explains enacted laws.

CJK 0010**Introduction to Law Enforcement 7 12**

Vocational Credits 1.66

Clock Hours 50.00

This module includes units of instruction in the following topics: Mental Retardation, Mental Illness, Substance Abuse, Physical Disabilities, Criminal Street Gangs and Extremist Groups and Responding to the Elderly.

CJK 0011**Human Issues**

Vocational Credits 1.33

Clock Hours 40.00

Crisis intervention is a major aspect of a law enforcement officer's job. The correct response to a crisis may be providing appropriate management, intervention, and referral for individuals. Students completing this course will be able to recognize the issues specific to individuals in various situations involving a crisis in their life.

CJK 0015**Introduction to Law Enforcement 13 22**

Vocational Credits 2.56

Clock Hours 77.00

This module includes instruction in the following topics: note taking, report writing, interviewing, taking statements, use of telecommunications, officer safety and survival, crisis intervention, community oriented policing, Secure approach to problem solving and hazardous materials awareness.

CJK 0017**Communications**

Vocational Credits 2.53

Clock Hours 76.00

This course covers telecommunications, communications and interpersonal skills, human interaction issues, interviewing ideology, and report writing principles and mechanics.

CJK 0020**CMS Law Enforcement Vehicle Operations**

Vocational Credits 1.60

Clock Hours 48.00

CJK 0020C**Vehicle Operations, Module 2**

Vocational Credits 1.60

Clock Hours 48.00

This module includes instruction in the following topics: physiological and psychological factors which impact vehicle operation and control; legal considerations involved in the operation of emergency vehicles; civil and criminal liability; routine maintenance and inspection of police vehicles; vehicle dynamics; types of skids and their causes; and basic driving skills.

CJK 0031C**CMS First Aid**

Vocational Credits 1.33

Clock Hours 40.00

This module includes instruction in the following topics: Responding to medical emergencies; Musculoskeletal and soft tissue injuries; Medical related issues.

CJK 0040C**Firearms, Module 4**

Vocational Credits 2.66

Clock Hours 80.00

This module includes instruction in the following topics: firearm familiarization; types of ammunition, fundamentals of marksmanship; drawing and holstering a weapon; loading and unloading a weapon; use of cover; weapon malfunctions; live fire exercises; weapon cleaning; qualification; and survival shooting.

CJK 0061**Patrol I**

Vocational Credits 1.93

Clock Hours 58.00

CJK 0062**Patrol II**

Vocational Credits 1.33

Clock Hours 40.00

CJK 0071**Criminal Investigations**

Vocational Credits 1.86

Clock Hours 56.00

This course takes students through the sequence of events related to criminal investigations including determining whether a crime has occurred, identifying the type of crime and locating witnesses.

CJK 0076**Crime Scene Investigations**

Vocational Credits 0.80

Clock Hours 24.00

The single most significant part of the initial stage of a criminal investigation is processing the crime scene. Students will learn to protect and preserve the scene to avoid contaminating evidence.

CJK 0082**Traffic Stops**

Vocational Credits 0.80

Clock Hours 24.00

This course provides students with the skills necessary to conduct unknown, low risk and high risk traffic stops.

CJK 0083**DUI Traffic Stops**

Vocational Credits 0.80

Clock Hours 24.00

This course provides students with the skills necessary to conduct DUI traffic stops.

CJK 0086**Traffic Crash Investigations**

Vocational Credits 1.06

Clock Hours 32.00

CJK 0090**Tactical Applications, Module 11 14**

Vocational Credits 1.80

Clock Hours 54.00

This module includes units of instruction in the following topics: How courts relate to law enforcement; Rules of court procedure; Responsibilities of an officer in court proceedings; The first response to an emergency situation; Recognition techniques for identifying bombs, explosives and weapons of mass destruction; and Riot control procedures for parades, concerts, festivals and other public events.

CJK 0096**Physical Fitness**

Vocational Credits 2.00

Clock Hours 60.00

CJK 0101**Interpersonal Skills II**

Vocational Credits 1.66

Clock Hours 50.00

Provides skills needed by officers to understand the incarcerated society, with emphasis upon supervision methods. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0102**Correctional Operations**

Vocational Credits 2.13

Clock Hours 64.00

An overview of state rules and regulations, addressing issues involved with inmate rights, correctional officers rights and responsibilities, along with environmental issues.

CJK 0133**Law Enforcement Auxiliary Skills**

Vocational Credits 1.96

Clock Hours 59.00

Prepares the auxiliary/reserve trainee for the duties and responsibilities of an auxiliary law enforcement officer. This preparatory training will include basic academic areas that are indigenous to the police function. The trainee will obtain the skills needed to be certified as an auxiliary officer.

CJK 0203**Cross Over Corrections**

Vocational Credits 0.43

Clock Hours 13.00

The cross over course will review topics including, but not limited to the following: civil and criminal liability, correctional officer rights and responsibilities, privileged communications, Baker Act, arrest laws, assault/battery, and assault with a deadly weapon.

CJK 0240**Auxiliary Introduction**

Vocational Credits 0.90

Clock Hours 27.00

CJK 0241**Auxiliary Patrol & Traffic**

Vocational Credits 0.63

Clock Hours 19.00

This course provides an overview of the law enforcement techniques and tactics officers use while on patrol. It focuses on Community Oriented Policing, officer safety and survival skills, and basic instruction on receiving a call, interacting with vehicles, and making an arrest.

CJK 0242**Auxiliary Investigations**

Vocational Credits 0.56

Clock Hours 17.00

CJK 0270**Criminal Justice Legal I**

Vocational Credits 1.53

Clock Hours 46.00

Provides an introductory overview of the criminal justice system, and the history and philosophies of corrections.

CJK 0271**Criminal Justice Legal II**

Vocational Credits 0.73

Clock Hours 22.00

Provides insight into the history and evolution of laws, legal terms, constitutional laws, and civil and criminal liabilities.

CJK 0272**Human Diversity**

Vocational Credits 0.80

Clock Hours 24.00

Designed to enhance the participant's awareness of their own cultural rules and predispositions and how these cultural influences come into play in common interactions with others.

CJK 0273**Correctional Interpersonal Skills I**

Vocational Credits 2.06

Clock Hours 62.00

Provides insight to the intervention techniques for various situations, with emphasis on the needs of diverse groups - juveniles, elderly, ethnic, and cultural. Offered for correctional academy students.

CJK 0280**Physical Fitness**

Vocational Credits 1.33

Clock Hours 40.00

CJK 0283**Interpersonal Skills I**

Vocational Credits 2.06

Clock Hours 62.00

This course provides the students with the verbal skills necessary to communicate effectively with diverse inmate population.

CJK 0422**Dart Firing Stun Gun**

Vocational Credits 0.26

Clock Hours 8.00

Stun guns have been around since the 1960s. Technology has moved over the years from the basic hand held stun gun to a weapon that now propels darts up to 35 feet and use electricity to incapacitate a non compliant subject. The use of dart firing stun guns and their effects on the people who are stunned by them has recently been a frequent topic of discussion in the media, among law enforcement officers and administrators, and within the scientific and medical professions. This course will introduce you to the basics of both the stun gun and the dart firing stun gun and give you some fundamental knowledge on this emerging tool in criminal justice.

CJK 0480**Emergency Preparedness**

Vocational Credits 0.86

Clock Hours 26.00

The skills needed for riot and disturbance control and firefighting are studied and practiced. Lectures include methods of riot prevention, handling, and unusual occurrences. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJK 0520C**Public Safety Telecom I**

Vocational Credits 6.93

Clock Hours 208.00

This course will prepare students for the challenging role of a 9 1 1 dispatcher. Students will learn the history of emergency communications and become familiar with the rewards and demands of this profession. Topics include: first responder, CPR, stress management, crises intervention, radio operations, keyboarding, Has Mat and emergency call receiving.

CJK 0551**CMS Defensive Tactics**

Vocational Credits 2.66

Clock Hours 80.00

CJK 0551C**Public Safety Telecom II EMD**

Vocational Credits 0.80

Clock Hours 24.00

This course is a continuation of CJK 0520C, which prepares students for the challenging role of a 9 1 1 dispatcher. This course will further enhance the students' EMD (Emergency Medical Dispatcher) skills. Topics include: roles & responsibilities, medical & legal aspects, dispatch life support, pre arrival instructions, emergency medical complaints and quality assurance.

CJK 0990**CP Firearms**

Vocational Credits 0.53

Clock Hours 16.00

This module includes instruction in the following topics: firearms safety procedures, types of ammunition use, service weapons use on the range, shotgun use on the range and chemical agent use.

CJK 0551C**Public Safety Telecommunications II EMD**

Vocational Credits 0.80

Clock Hours 45.00

This course is a continuation of CJD 0520C, which prepares students for the challenging role of a 9 1 1 dispatcher. This course will further enhance the students' EMD (Emergency Medical Dispatcher) skills. Topics include: roles & responsibilities, medical & legal aspects, dispatch life support, pre arrival instructions, emergency medical complaints and quality assurance.

DEA 0130**Allied Dental Theory**

Vocational Credits 1.50

Clock Hours 45.00

Provides the student with fundamental knowledge of embryology and oral histology, microbiology, oral pathology, pharmacology, and nutrition. Students will research various topics related to each unit and provide a short, written report.

DEA 0134**Dental Office Emergencies**

Vocational Credits 1.00

Clock Hours 30.00

Provides the student with theory and practice in basic emergency procedures to manage emergencies that may occur in the dental setting.

DEA 0800**Clinical Practice I**

Vocational Credits 2.66

Clock Hours 150.00

This course is designed to introduce students to the basic theories and procedures involved in various dental specialties including Restorative/ Cosmetic Dentistry, Endodontic, Periodontics, Pediatric Dentistry, Oral Surgery, Orthodontics, and Fixed and Removable Prosthodontics. The course will also give the students additional time to practice chair side skills.

DEA 0800L**Clinical Practice I Lab**

Vocational Credits 5.00

Clock Hours 254.00

Designed to give the student closely supervised instruction and clinical experience involving patients and a dentist performing all functions required of a general dentistry chair side assistant. The student will have additional responsibilities in the area of radiography, sterilization, patient management, expanded functions, and preventive oral hygiene care.

DEA 0801L**Dental Practicum**

Vocational Credits 8.46

Clock Hours 15.00

Continuous practice in all the skill areas of the dental assisting curriculum. Included will be a supervised internship program utilizing the private dental offices and clinical settings. The student will apply all skills and competencies developed and increase her/his capabilities and proficiencies.

DEA 0931**Dental Assisting in Orthodontics**

Vocational Credits 0.50

Clock Hours 30.00

This course includes instruction on the history of orthodontics, malocclusion, orthodontic vocabulary, photographs, bracket slot, wires, tooth movement, and all phases of bonding, wires, headgear, and retainer finishing. This course includes taking the State Expanded Functions Orthodontics Examination. This course is required for completion of the Dental Assisting Program.

DEA 0931L**Dental Assisting Orthodontics Lab**

Vocational Credits 1.00

Clock Hours 30.00

This course includes instruction on the history of orthodontics, malocclusion, orthodontic vocabulary, photographs, bracket slot, wires, tooth movement, and all phases of bonding, wires, headgear, and retainer finishing. This course includes taking the State Expanded Functions Orthodontics Examination. This course is required for completion of the Dental Assisting Program.

DES 0020**Head, Neck & Dental Anatomy**

Vocational Credits 1.50

Clock Hours 45.00

A study of the anatomy of the head and neck with emphasis on the maxilla and mandible. In addition, the anatomy of the deciduous and permanent dentitions and supporting structures is covered.

DES 0020L**Head, Neck & Dent Anatomy Lab**

Vocational Credits 1.00

Clock Hours 30.00

This laboratory course provides the student an opportunity to use anatomical models and teeth to apply didactic information in a laboratory setting and begin to apply knowledge of anatomy to clinical dental practice.

DES 0051**Dental Pharmacology and Pain Control**

Vocational Credits 1.00

Clock Hours 30.00

A study of agents used in dentistry for local anesthesia and pain control. Nitrous Oxide sedation and its use will be covered.

DES 0051L**Dental Pharmacology and Pain Control Lab**

Vocational Credits 0.50

Clock Hours 15.00

This course is a study of agents used in dentistry for local anesthesia and pain control. Nitrous oxide sedation and its use will be covered.

DES 0100**Dental Materials**

Vocational Credits 1.50

Clock Hours 45.00

Provides the student with the theoretical knowledge of the composition, preparation, and application of materials commonly used in dentistry.

DES 0100L**Dental Materials Lab**

Vocational Credits 1.50

Clock Hours 45.00

Designed to provide basic knowledge and laboratory practice necessary for the proper manipulation of dental materials commonly employed in dentistry.

DES 0200**Dental Radiology**

Vocational Credits 1.50

Clock Hours 45.00

Provides the student with fundamental knowledge of the nature, physics, and biological effects of radiation to maximize understanding of proper control and safety precautions to be used in exposing, processing, mounting, and evaluating diagnostically acceptable radiographs.

DES 0200L**Dental Radiology Lab**

Vocational Credits 1.50

Clock Hours 45.00

A Corequisite to Dental Radiography (DES 0200), this course provides the student with laboratory experience in exposing, processing, mounting, and critiquing diagnostically acceptable intraoral and extraoral radiographs.

DES 0300**Dental Psychology**

Vocational Credits 0.50

Clock Hours 15.00

Designed to introduce students to the basic theories of psychology to have a better understanding of behavioral patterns and how those patterns relate to dentistry.

DES 0400**Dental Anatomy and Physiology**

Vocational Credits 1.50

Clock Hours 45.00

A study of the development of the human body along with a survey of the structure, growth, and function of the body's organ system.

DES 0500**Computer Applications in Modern Dentistry**

Vocational Credits 1.00

Clock Hours 30.00

Introduces the student to basic computer and word processing concepts including file management, system back up, equipment maintenance, diskette format and care, and DOS commands. In addition, the student may make use of the following software capabilities: text creation and editing, macros, mailing labels, enhancement, spreadsheets, and database.

DES 0502**Dental Office Management**

Vocational Credits 1.00

Clock Hours 30.00

This course enables the student to gain knowledge and proficiency in all procedures necessary for office management. The course includes telephone techniques, ordering supplies, recall system, appointment control, bookkeeping, billing, and insurance procedures.

DES 0800**Introduction to Clinical Procedures I**

Vocational Credits 2.00

Clock Hours 60.00

This core course introduces the dental assisting and dental hygiene student to the basic concepts of clinical practice. Topics include the history of dentistry, dental health team members, professional organizations, medical/dental history, operation and maintenance of dental equipment, operator/patient, four handed techniques, oral evacuation, dental charting, cleaning of removable appliances, coronal polishing, and fluoride application techniques.

DES 0800L**Introduction to Clinical Procedures I Lab**

Vocational Credits 1.00

Clock Hours 30.00

This core course is designed for the practical application of professionalism and clinical procedures. Development of introductory skills is practiced in the clinical setting. Demonstration of required procedures is evaluated using preset standards.

DES 0830**Expanded Functions for Dental Auxiliaries**

Vocational Credits 0.50

Clock Hours

Designed to provide basic knowledge and clinical practice necessary for the dental assistant or hygienist to perform the expanded functions permitted by the Rules and Regulations of the Florida State Board of Dentistry.

DES 0830L**Expanded Functions for Dental Auxiliaries Lab**

Vocational Credits 1.50

Clock Hours 45.00

This course is designed to provide basic knowledge and clinical practice necessary for the dental assistant to perform the expanded functions permitted by the Rules and Regulations of the Florida State Board of Dentistry.

DES 0840**Preventive Dentistry**

Vocational Credits 1.00

Clock Hours 30.00

Students are introduced to the philosophy and principles of preventive dentistry. Emphasis is on the dental auxiliary's role in patient education and care. Topics include: development of plaque and calculus, development of carious lesions, plaque control techniques for the patient, fluorides, tooth stains, plaque indices, patient education and motivation, caries activity testing, and smoking cessation.

DES 0936**Dental Seminar**

Vocational Credits 0.50

Clock Hours 15.00

This course is designed to provide students with a review for the Dental Assisting National Board Exam and to provide the student with an understanding of ethics, jurisprudence, and risk management as related to dentistry.

EMS 0020**Intro Emergency Communications Professionals**

Vocational Credits 0.13

Clock Hours 4.00

Provides an overview of the emergency communications profession.

ETI 0470**Machinery Maintenance I**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies of applying safety rules and procedures relating the basic elements of physics, electricity and electronics to industrial machinery maintenance and repair, performing mathematical calculations, reading plans and drawings, performing measuring and layout operations, and performing computer applications in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0471**Machinery Maintenance II**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies of using and maintaining hand and portable power tools, handling and applying lubricants, applying basic bench work skills, and performing basic gas welding and cutting operations in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0472**Machinery Maintenance III**

Vocational Credits 5.00

Clock Hours 150.00

This course develops competencies in rigging and lifting, installing and removing machinery, conveyor maintenance, troubleshooting machinery performance, communicating, servicing customers obtaining employment, and entrepreneurship skills in the industrial machinery maintenance technology industry.

ETI 0473**Machinery Maintenance IV**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies of planning an elementary predictive/ preventive maintenance schedule, performing gas and arc welding, and performing machine shop operations, maintaining piping and tubing systems, troubleshooting electrical circuits, and maintaining and installing drive components in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0474**Machinery Maintenance V**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies of maintaining specific types of air compressors and maintaining, repairing, and troubleshooting fluid drive systems in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0475**Machinery Maintenance VI**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies for pump maintenance and repair and for pollution control along with knowledge of industrial pollution control systems in industrial machinery maintenance technology operations. It may include the development of optional competencies related to air conditioning and refrigeration, boilers, and small engines.

ETI 0476**Machinery Maintenance VII**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies for preparing for machinery startup and performing vibration analysis and machine balancing for specialized operations in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0477**Machinery Maintenance VIII**

Vocational Credits 5.00

Clock Hours 150.00

This course is a continuation of industrial maintenance 7, developing the competencies for preparing for machinery startup and performing vibration analysis and machine balancing for specialized operations in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

ETI 0478**Machinery Maintenance IX**

Vocational Credits 5.00

Clock Hours 150.00

This course develops the competencies for preparing for machinery startup and performing vibration analysis and machine balancing for specialized operations in the industrial machinery maintenance technology industry. There is no occupational completion point associated with the completion of this course.

EVS 0074**Water Treatment Math**

Vocational Credits 1.50

Clock Hours 45.00

This self paced course provides the math needed to excel in the advanced water treatment field. Topics include the addition, subtraction, multiplication and division of whole numbers, fractions, decimal fractions and number expressed in scientific notation, as well as how to solve equations and how to round off numbers obtained from measurements.

EVS 0150**Certification Review**

Vocational Credits 1.50

Clock Hours 45.00

This course will review requirements and subject matter required for persons wishing to sit for the state certification exam for the Drinking Water Operators C License classification. Drinking water laws will be reviewed as well as all of the reviews necessary to prepare the student for obtaining a job in the industrial or municipal sectors. Many case studies, process flows and problem solving workshop are provided. This course will not necessarily substitute for the state required C License Operators course.

EVS 0160**Advanced Membrane Monitoring**

Vocational Credits 1.50

Clock Hours 45.00

This course will cover the operation, monitoring and troubleshooting of membrane pretreatment equipment including multimedia filters and activated carbon beds, as well as how to prevent the common scaling, fouling and chemical attack problems which membrane units may experience. This advanced course builds on information previously presented.

EVS 0161**Conventional & Pretreatment Technology**

Vocational Credits 1.50

Clock Hours 45.00

This course introduces the technologies required to produce safe drinking water as well as the pretreated water required for advanced technological uses. Technologies covered include clarification, media filtration, cartridge filtration, bag filtration, membrane filtration, silt dispersants, biocides, acids, scale inhibitors, sulfite compounds, ultraviolet irradiation and softening.

EVS 0162**High Purity Water Technology**

Vocational Credits 1.50

Clock Hours 45.00

This course will cover the principles and operation of post ion exchange equipment including ultraviolet irradiation units, distillation units, final filters and storage and distribution, as well as the minimization of dead legs and periodic disinfection of high purity water piping.

EVS 0163**Intro Water Treatment Systems**

Vocational Credits 1.50

Clock Hours 45.00

This course is the first in a sequence of courses that leads to an AAS degree in Advanced Water Treatment. This course serves to introduce the student to a career in advanced water treatment and prepares students to work safely in an advanced water treatment laboratory and water plant. It will review: industries needing advanced water treatment; typical job duties of water treatment professionals; and safety techniques.

EVS 0164**Ion Exchange Technology**

Vocational Credits 1.50

Clock Hours 45.00

This course will cover the characteristics of feedwater contaminants and the fundamental principles of water purification using ion exchange technology. Strong acid cation, strong base anion, weak acid cation and weak base anion resins are covered as are single bed units, mixed bed exchange units, full train units and electrodeionization.

EVS 0165**Membrane Technologies**

Vocational Credits 1.50

Clock Hours 45.00

The content of this course will cover the theory, process and equipment common to membrane water treatment technologies. This course will cover the microfiltration, ultrafiltration, electrodialysis and electrodeionization membrane technologies. Some system design considerations and integration into water treatment systems are provided.

EVS 0166**Membrane Technology II: Nanofilters & Reverse Osmosis**

Vocational Credits 1.50

Clock Hours 45.00

The content of this course will cover the theory, process and equipment common to membrane water treatment technologies. This course will cover the nanofiltration and reverse osmosis membrane water treatment technologies. Some system design considerations and integration into water treatment systems are provided.

EVS 0167**Membrane Unit Monitor & Troubleshooting**

Vocational Credits 1.50

Clock Hours 45.00

This course covers the initial monitoring and troubleshooting skills required to effectively operate and maintain a membrane water treatment system and to identify when scaling, fouling, chemical attack or other problems are occurring. Monitoring and troubleshooting of microfiltration, ultrafiltration, nanofiltration, reverse osmosis and electrodeionization units are covered.

EVS 0170**Pretreatment Troubleshooting**

Vocational Credits 1.50

Clock Hours 45.00

This course will cover the operation, monitoring and troubleshooting of membrane pretreatment equipment including multimedia filters and activated carbon beds, as well as how to prevent the common scaling, fouling and chemical attack problems which membrane units may experience. This advanced pretreatment course builds on information previously learned.

EVS 0171**Water Analysis & Monitoring**

Vocational Credits 1.50

Clock Hours 45.00

This course covers the standard laboratory procedures and on stream analysis for the measurement of silica, organic compounds, ions, particles and microorganisms.

EVS 0172**Water Treatment Biology**

Vocational Credits 1.50

Clock Hours 45.00

This self paced course provides an overview of water treatment biology with the focus being primarily on bacteria; however, referencing other microorganisms and other suspended contaminants. Topics include algae, fungi, viruses, bacteria, bacterial replication, bacterial structure and how to measure the quantity of bacteria.

EVS 0173**Water Treatment Chemistry**

Vocational Credits 1.50

Clock Hours 45.00

This self paced course provides the chemistry needed to understand the principles of advanced water treatment technologies. Topics include atoms, molecules, ions, silica, organics, gases, dissolved substances, suspended substances, polarity and instruments used to measure dissolved and suspended substances.

EVS 0174**Water Treatment Controllers**

Vocational Credits 1.50 Clock Hours 45.00

This self paced course provides a basic understanding of how programmable logic controllers (PLCs) work to control water treatment systems. Almost all newer water treatment systems are PLC controlled. Topics include basic electronics, electronic circuits, ladder logic and troubleshooting electronic circuits.

EVS 0175**Water Treatment Plant Equip**

Vocational Credits 1.50

Clock Hours 45.00

This course will cover basic hand tools, equipment, chemical injections, safety and troubleshooting of water treatment systems. Students will also gain an understanding of piping and instrumentation diagrams. Hands on experience with pumps, valves, gauges and meters will be provided.

FFP 0015**Fire Fighting I**

Vocational Credits 4.33

Clock Hours 130.00

This course prepares the candidate to take the state exam for certification as a firefighter. The course consists of basic rope, hose, self contained breathing apparatus and ladders operations. The course follows the curriculum and standards from the Bureau of Fire Standard and Training.

FFP 0025**Fire Fighting II**

Vocational Credits 4.20

Clock Hours 126.00

This course prepares the candidate to take the state exam for certification as a firefighter. The course consists of advanced fire control, hazardous materials and extrication operations. This course follows the curriculum and standards from the Bureau of Fire Standard and Training.

FFP 0026**Fire Fighting III**

Vocational Credits 4.20

Clock Hours 126.00

This course prepares the candidate to take the state exam for certification as a firefighter. The course consists of advanced rope, hose, ladder, search and rescue, ventilation operations and basic fire control. This course follows the curriculum and standards from the Bureau of Fire Standard and Training.

FFP 0141**Emergency Services First Responder**

Vocational Credits 1.77

Clock Hours 53.00

Trains individuals to accept and recognize medical standards in emergency first aid procedures to include medical, environmental, and trauma related emergencies.

GEY 0300**Communication with Older Adults**

Vocational Credits 3.33

Clock Hours 100.00

This course will help students understand the concept of cultural competence and develop strategies for communicating more effectively with older adults.

GEY 0304**Community Resources**

Vocational Credits 0.33

Clock Hours 10.00

Provides an in depth knowledge of the formal and informal community resources that are available for individuals aged 60+.

GEY 0624**Grief and Loss in Later Years**

Vocational Credits 0.66

Clock Hours 20.00

Explores loss, grief, mourning, pain and the impact of the dying process. Examines how the hospice method can be utilized in working with the family and the dying person and identifies cultural influences surrounding practices related to death.

GEY 0653**Ethical and Legal Issues in Aging**

Vocational Credits 1.66

Clock Hours 50.00

Provides an overview of the major legal and ethical issues in aging and its implications on policies, priorities and services. Emphasis will be placed on day to day application.

HEV 0008**Health, Wellness and Nutrition**

Vocational Credits 3.33

Clock Hours 100.00

This course will provide basic concepts of health, wellness and nutrition related to aging. Emphasis will be placed on nutrition and diet, physical activity and exercise, and maintenance of well being.

HEV 0108**Child Abuse & Neglect**

Vocational Credits 0.13

Clock Hours 4.00

A continuation of the basic child care training required for all child care employees in the State of Florida.

HEV 0111**Child Growth & Development I**

Vocational Credits 0.20

Clock Hours 6.00

A continuation of the basic child care training required for all child care employees in the State of Florida.

HEV 0114**Rules & Regulations**

Vocational Credits 0.20

Clock Hours 6.00

Course provides the basic child care training required for all child care employees in the State of Florida.

HEV 0126**DAP/Children with Special Needs**

Vocational Credits 0.33

Clock Hours 10.00

A continuation of the basic childcare training required for all child care employees in the State of Florida. This course introduces the student to the appropriateness of providing quality care for children of all abilities.

HEV 0130**Child Growth & Development II**

Vocational Credits 0.33

Clock Hours 10.00

A continuation of child growth and development principles primarily focusing on the characteristics of school age children.

HEV 0132**Developmentally Appropriate Activities**

Vocational Credits 0.50

Clock Hours 10.00

Emphasizes the social, cognitive, emotional, physical and creative aspects of the child's developmental process. Incorporates activity ideas designed to enhance these developmental areas.

HEV 0137

Learning Environments I

Vocational Credits 0.50

Clock Hours 15.00

Focuses on the elements of lesson planning for young children, and reviews various classroom designs. Also considers health and safety issues.

HEV 0141**Understanding & Guiding Children's Behavior**

Vocational Credits 0.33

Clock Hours 10.00

HEV 0142

Learning Environments II

Vocational Credits 0.33

Focuses on various instructional strategies and curricula designs for the early childhood classroom. Reviews goals, objectives and learning outcomes for children involved in early childhood education programs.

HEV 0151**DAP/Young Child (3-5)**

Vocational Credits 0.33

Clock Hours 10.00

A continuation of the basic childcare training required for all child care employees in the State of Florida. This course introduces the student to caring for the child ages 3-5 years in a specialized environment promoting individual learning styles and developmental readiness.

HEV 0152**The Early Childhood Professional**

Vocational Credits 0.33

Clock Hours 10.00

Presents an overview of early childhood career options and responsibilities as an early childhood professional. Covers ethical behaviors, family relations, and positive communication techniques.

HEV 0163**Leadership**

Vocational Credits 0.33

Clock Hours 10.00

Focuses on professional relationships, organizational skills, positive role modeling, community involvement, and other skills related to effective leadership qualities.

HEV 0164**Food & Nutrition**

Vocational Credits 0.26

Clock Hours 8.00

A continuation of the basic child care training required for all child care employees in the State of Florida.

HEV 0172**Behavior Observation & Screening C/C**

Vocational Credits 0.20

Clock Hours 6.00

This course is a continuation of the basic childcare training required for all childcare employees in the State of Florida. This course introduces the student to the purpose and key benefits of developmental screening in the childcare setting.

HEV 0175**DAP/Infants & Toddlers**

Vocational Credits 0.33

Clock Hours 10.00

A continuation of the basic child care training required for all child care employees in the State of Florida. This course introduces the participant to caring for infants and toddlers in a specialized environment promoting individual learning styles and developmental readiness.

HEV 0181**Observing & Recording Behaviors**

Vocational Credits 0.33

Clock Hours 10.00

Emphasizes various techniques and procedures used to observe children's behaviors. Also focuses on objectivity, confidentiality, and interpretations of data.

HEV 0183**Child Care Practicum I**

Vocational Credits 3.33

Clock Hours 100.00

Provides field experience to enable the practical application of concepts and techniques relating to teaching and guiding young children appropriately.

HEV 0184**Child Care Practicum II**

Vocational Credits 8.33

Clock Hours 250.00

A continuation of Child Care Practicum I. Emphasis is on design and implementation of appropriate schedules and activities for young children.

HEV 0185**Child Care Practicum III**

Vocational Credits 4.33

Clock Hours 130.00

A continuation of Child Care Practicum II. A minimum of 480 hours of direct involvement with young children (birth age 8) in an early childhood education setting must be completed. Also, competence in all CDA areas must be demonstrated upon completion of this course.

HEV 0195**DAP/School Age Curriculum**

Vocational Credits 0.33

Clock Hours 10.00

A continuation of the basic childcare training required for all child care employees in the State of Florida. This course introduces the student to caring for children in after school settings.

HEV 0821**Physical Changes and Aging**

Vocational Credits 3.33

Clock Hours 100.00

Examines the normal and pathological physical changes occurring from middle age through older age. Emphasis will be on basic age related changes from an applied perspective.

HEV 0831**Depression: Recognition & Treatment**

Vocational Credits 0.66

Clock Hours 20.00

Examines depression in later life. Basic techniques and guidelines for working with depressed older adults will be presented.

HSC 0003**Fundamentals Allied Health Occupations**

Vocational Credits 0.53

Clock Hours 16.00

This course introduces the student to skills and procedures common to allied health occupations, including basic first aid and emergency care, safety, security, proper body mechanics, vital signs, wellness, disease control, blood borne pathogens and AIDS.

SCY 0051**Private Investigation I**

Vocational Credits 0.80

Clock Hours 24.00

Prepares secondary and postsecondary students for the unarmed Private Investigation Intermediate, Class "CC" License.

SCY 0052**Private Investigation II**

Clock Hours 16.00

Vocational Credits 0.53 Completes the training for a Private Investigator Intern to obtain a Class "CC" license.

SLS 0341**Employability Skills**

Vocational Credits 0.50

Clock Hours 15.00

Provides instruction on obtaining employment such as conducting a job search, identifying sources for job information, making preparations for applying for a job, preparing a resume, preparing a job application letter, completing a job application form, and interviewing for a job. Includes instruction on maintaining employment such as proper work habits and attitudes, human relations, appropriate dress and grooming, acceptable health habits and job change techniques.

SLS 0504**Critical Thinking/Problem Solving**

Vocational Credits 1.66

Clock Hours 50.00

Provide problem solving techniques and help students learn how to apply critical thinking skills in their daily activities.