



VENTURA COUNTY
OFFICE OF EDUCATION
STANLEY C. WAMT0010, COUNTY SUPERINTENDENT OF SCHOOLS

Career EDUCATION Center

2015-2016
Course Catalog
College Prepared...Career Ready



Ornamental Horticulture

FLORAL DESIGN

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 4052

H.S. Grad Requirement: CTE

Articulated Credit: N/A

This course is designed for students that are interested in floral design. This course prepares students for entry-level jobs in the floral industry. Students will learn the principles of floral design, uses of floral materials and tools, how to prepare simple floral arrangements and decorative items, basic sales techniques, customer service relations, and basic business practices. Students will learn proper care and handling of flowers, plants and foliage; how to evaluate floral materials and arrangements; how to utilize floral tools, supplies and products; how to apply design principles to the floral medium; how to construct arrangements for all occasion; how to display, price, and market floral designs. Training will include hands-on experience in a flower shop setting. Students will train for two jobs: florist assistant and florist technician.

Certification: ROP Certificate of Proficiency; California State H/S FD Certificate (PENDING)

Prerequisite: None

INTRODUCTION TO ORNAMENTAL HORTICULTURE

Grade Level: 9, 10, 11, 12

Recommended Credits: 20

Length: Year

Internship: No

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 4051

H.S. Grad Requirement: CTE

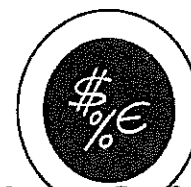
Articulated Credit: N/A

Introduction to Ornamental Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. They provide information regarding the care and propagation of plants, flowers, trees, and shrubs, but place a special emphasis on those used for decorative and aesthetic purposes. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

Certification: ROP Certificate of Proficiency

Prerequisite: None

Business Management



Business & Finance

BUSINESS CAREER EXPLORATION

Grade Level: 9, 10, 11, 12

Recommended Credits: 20

Length: Year

Internship: No

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 4125

H.S. Grad Requirement: CTE

Articulated Credit: N/A

This instructional program provides individuals with exploratory experiences related to career opportunities in business at entry, technical, and professional levels. These experiences explore careers in computer science and information processing, accounting and finance, business management, marketing, and entrepreneurship. The program provides information about employment and the education requirements for various business occupations, interest and aptitude assessment, and career and educational planning. The program also provides exploration in the following areas: business and consumer concepts, business computations, computer literacy, economic concepts, and scientific and technological developments.

Certification: ROP Certificate of Proficiency

Prerequisite: None

BUSINESS FINANCE

Grade Level: 9, 10, 11, 12

Recommended Credits: 10

Length: Semester

Internship: No

Delivery Model: Online Blended

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4612

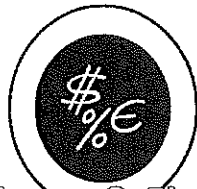
H.S. Grad Requirement: CTE

Articulated Credit: Pending

Small and medium-sized businesses need to keep their books easily and accurately. This course introduces the software and basic file-management tasks needed to work with vendors, customers and banking tasks using QuickBooks. The course will also include dealing with bad debt, writing customized reports and making templates for your company.

Certification: ROP Certificate of Proficiency

Semester 2 Recommendation: Marketing; Virtual Enterprise



Business & Finance

Business Management

21st CENTURY MARKETING

Grade Level: 9, 10, 11, 12

Recommended Credits: 10

Length: Semester

Internship: No

Delivery Model: Online Blended

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4122

H.S. Grad Requirement: CTE

Articulated Credit: Moorpark College, CSU/UC Transfer

In this course students will explore and utilize techniques for integrating social media marketing as an integral component of marketing campaigns, serving as listening and outreach tools for building brand awareness and promoting business. Through an investigation of tools which include internet forums, message boards, blogs, wikis, podcasts, picture sharing, video sharing, and social networking, students will have the opportunity to create and present a written plan for achieving business goals through the use of a social media marketing campaign.

Certification: ROP Certificate of Proficiency

Semester 1 Recommendation: Business Finance

VIRTUAL ENTERPRISE

Grade Level: 9, 10, 11, 12

Recommended Credits: 10

Length: Semester

Internship: No

Delivery Model: Online Blended

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4630

H.S. Grad Requirement: CTE

Articulated Credit: N/A

In this course students will explore and utilize techniques for integrating social media marketing as an integral component of marketing campaigns, serving as listening and outreach tools for building brand awareness and promoting business. Through an investigation of tools which include internet forums, message boards, blogs, wikis, podcasts, picture sharing, video sharing, and social networking, students will have the opportunity to create and present a written plan for achieving business goals through the use of a social media marketing campaign.

Certification: ROP Certificate of Proficiency

Semester 1 Recommendation: Business Finance

FASHION MERCHANDISING

Grade Level: 11, 12	Recommended Credits: 10	Length: Semester
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 4410	H.S. Grad Requirement: CTE

Articulated Credit: Fashion Institute of Design and Merchandising (FIDM)

This program trains students in the marketing functions and foundations of fashion merchandising. Instruction will assist students in developing proficiency in fashion retail business procedures and provide a foundation for further training from a higher institution in the fashion industry. In addition, the program will prepare students for entry-level employment within the fashion and retailing career field. Students will learn the basics of fashion, customer service and selling techniques, the elements and principles of design, the appropriate behavior, attitude and tools necessary to get and keep a job, visual merchandising and display, advertising and promotion, textiles, retail management, basic economic concepts and entrepreneurship. This course requires a minimum of 36 hours of Community Classroom on-the-job training per semester and/or Cooperative Vocational Education approved instructional methodology.

Certification: ROP Certificate of Proficiency

Prerequisite: None

MARKETING SALES & SERVICE

Grade Level: 10, 11, 12	Recommended Credits: 10	Length: Semester
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 4100	H.S. Grad Requirement: CTE

Articulated Credit: N/A

This course covers basics of retail selling and prepares students to master marketing foundations and apply principles to the unique characteristics of the general merchandise retailing industry and perform marketing practices and tasks in general merchandise retail operations. Customer services covered also include the following: investigation and resolution of product or service problems of customers; arranging for repair or replacement of defective products; providing technical information to customers related to products or services sold; resolving customer complaints; arranging for custom or specialized products or services for customers; providing inside and outside sales support services; and communicating with customers in writing and in person to assess/evaluate customer satisfaction.

Certification: ROP Certificate of Proficiency

Prerequisite: None



Patient Care

INTRODUCTION TO HEALTHCARE CAREERS

Grade Level: 9, 10, 11, 12	Recommended Credits: 10	Length: Semester
Internship: No	Delivery Model: Online Blended	Location: CEC Camarillo Airport
UC a-g: N/A	CBEDS Code: 4257	H.S. Grad Requirement: CTE
Articulated Credit: N/A		

This course is designed for students to develop the knowledge and skills needed for entry-level employment in the health care industry or enrollment in advanced health/medical training classes such as Dental or Medical Assistant and Certified Nurses Aide. Students will receive instruction in basic skills and medical terminology. Students will have opportunities to apply their skills and knowledge while serving in clinics, hospitals or doctor's offices.

Certification: ROP Certificate of Proficiency

Recommended: Medical Office Administration

MEDICAL ASSISTANT—CLINICAL

Grade Level: 11, 12	Recommended Credits: 20	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: N/A	CBEDS Code: 4275	H.S. Grad Requirement: CTE

Articulated Credit: Pending

This course is designed to prepare students for positions in a doctor's office or medical clinic. The course includes instruments, and equipment used in an office, how to take patient's vital signs, perform lab tests, take chart notes, HIPAA regulations, and assist the physician to care for the patient. First semester is classroom training and second semester is clinical experience in a doctor's office or medical clinic.

Certification: ROP Certificate of Proficiency

When course is combined with Medical Terminology and Medical Office Administration, students will be prepared for the State certification exam in Medical Assisting.

Prerequisite: Medical Terminology or Instructor Approval

MEDICAL OFFICE ADMINISTRATION

Grade Level: 11, 12	Recommended Credits: 10	Length: Semester
Internship: Yes	Delivery Model: Online Blended	Location: CEC Camarillo Airport
UC a-g: N/A	CBEDS Code: 4274	H.S. Grad Requirement: CTE
Articulated Credit: Pending		

This course prepares students for entry level employment in a medical office in reception, records, billing, finance, appointments and other general office duties. It is an excellent introduction to medical coding and billing for those who intend to continue their education in medical administration. As government and medical insurances implement the new codes and requirements jobs in this field are in high demand.

Certification: ROP Certificate of Completion

When course is combined with Medical Assistant-Clinical and Medical Terminology, students will be prepared for the State certification exam in Medical Assisting.

Semester 2 Recommendation: Business Finance

MEDICAL TERMINOLOGY

Grade Level: 9, 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: No	Delivery Model: Online Blended	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 4273	H.S. Grad Requirement: CTE
Articulated Credit: Moorpark College, CSU/UC Transfer		

This course will provide an overview of medical terms for healthcare administrative service occupations. Course includes necessary word recognition, word roots, prefixes, and suffixes used in medical language today. Students will learn how to combine words to create meaningful medical conditions as well as comprehend their definition and know the correct abbreviations and spelling and pronunciation. This course will cover medical terms related to all major body systems, including: muscular system, skeletal system, respiratory system, circulatory system, digestive system, reproductive system, and urinary system.

Certification: ROP Certificate of Proficiency

When course is combined with Medical Assistant-Clinical and Medical Office Administration, students will be prepared for the State certification exam in Medical Assisting.

Prerequisite: None



Health Care Operations

DENTAL ASSISTANT

Grade Level: 12 only

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 4249

H.S. Grad Requirement: CTE

Articulated Credit: N/A

This course is designed to prepare students for employment in a dental office as a dental assistant. Students will learn dental terms, x-ray techniques, instrument identification and preparation, chair-side assisting and preventative dentistry skills. Students will prepare and take the examination for the California Radiation Safety Certification approved by the Dental Board of California. If the student is successful, he/she will be certified by the State of California and will be able to take dental X-Rays when employed in a dental office.

Certification: ROP Certificate of Proficiency, Radiation Safety Certification, CPR

PENDING: Coronal Polishing—Infection Control—CA Law

Prerequisite: Medical Terminology, Intro to Healthcare Careers or Instructor approval

CERTIFIED NURSE ASSISTANT I & II

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes – Clinical Hours

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 4279

H.S. Grad Requirement: CTE

Articulated Credit: N/A

Course focuses on patient care skills for the elderly and long-term patients. First semester is classroom and lab training; second semester is clinical experience in a local hospital or nursing home.

This course incorporates the job-specific health careers fundamentals with didactic, laboratory, and clinical competencies. The course prepares students completing course work in the nursing services to assist with direct patient care required as a result of a condition, disease, illness, or injury. Workplace learning experiences may be in a variety of health care settings.

Certification: ROP Certificate of Proficiency

Upon successful completion of the full year course (NAI & NAII), student qualifies to take the CA State Certified Nursing Assistant (CNA) test

Prerequisite: Medical Terminology or Instructor Approval

HOSPITALITY**Grade Level:** 11, 12**Recommended Credits:** 20**Length:** Year**Internship:** No**Delivery Model:** Lab**Location:** CEC Camarillo Airport**UC a-g:** N/A**CBEDS Code:** 4441**H.S. Grad Requirement:** CTE**Articulated Credit:** Oxnard College, CSU Transfer

The course will provide an overview of the hospitality industry, its history and interrelationships of hotel, restaurant, travel, leisure industries, and introduce math concept applications in the culinary field. Students will also learn the importance of economic and social influences of leisure. Emphasis is on the attitude required of a person seeking a position in the industry.

Certification: ROP Certificate of Proficiency**Prerequisite:** None



Game Design and Integration

GAME DESIGN

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: No

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4616; 4617; 4607

H.S. Grad Requirement: CTE

Articulated Credit: Moorpark College, CSU/UC Transfer

This course introduces game programming principles, 3d modeling and animation; game art and visual effects; game play and game design; character, level and story design; and the history, culture and genres of video games and animation. Students collaborate on group projects to develop the knowledge and skills necessary to deliver real-world game prototypes from concept to completion. No prior game or graphics programming experience are necessary.

Certification: ROP Certificate of Proficiency

Prerequisite: None

MOBILE APP DEVELOPMENT

Grade Level: 10, 11, 12

Recommended Credits: 20

Length: Year

Internship: No

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4617; 4607; 4648

H.S. Grad Requirement: CTE

Articulated Credit: N/A

This course will introduce Mobile Application (App) Development from idea and inception, through development, and to deployment. Programming languages will be discussed and used, different platforms and their IDE's (Integrated Development Environments) will be discussed. This course primarily will be using the Android SDK with Eclipse, M.I.T.'s App Inventor, Android Studio and a cloud based CMS (content management system) software for App building. This course is project based and as such, each student will build an online portfolio. This course will prepare the student to be ready to enter the job market with a solid understanding of Mobile App Development and the skills required.

Certification: ROP Certificate of Proficiency

Prerequisite: None

WEB TECHNOLOGIES

Grade Level: 11, 12	Recommended Credits: 20	Length: Year
Internship: No	Delivery Model: Online Blended	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 4605	H.S. Grad Requirement: CTE
Articulated Credit: Ventura College/CSU Transfer		
<p>In this course, students will learn the fundamentals of modern web development using HTML5, CSS3 and JavaScript scripting languages to build dynamic, data-driven website applications that work across all computing devices. The course includes information architecture, user interface design, user experience design, color theory, web graphics, hosting, animation, video and sound, and basic interactivity in the design process.</p>		
Certification: ROP Certificate of Proficiency		
Prerequisite: None		

Information Support and Services

CYBERSECURITY

Grade Level: 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: No	Delivery Model: Online Blended	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 5843	H.S. Grad Requirement: CTE
Articulated Credit: Moorpark College, CSU Transfer		
<p>This course introduces students to the interdisciplinary field of cybersecurity by discussing the evolution of information security into cybersecurity, cybersecurity theory, and the relationship of cybersecurity to nations, businesses, society, and people. Students will be exposed to multiple cybersecurity technologies, processes, and procedures. Students will learn how to analyze the threats, vulnerabilities and risks present in these environments, and develop appropriate strategies to mitigate potential cybersecurity problems.</p>		
Certification: ROP Certificate of Proficiency		
Prerequisite: None		



Networking

IT ESSENTIALS

Grade Level: 10,11, 12

Recommended Credits: 20

Length: Year

Internship: No

Delivery Model: Online Blended

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 4633

H.S. Grad Requirement: CTE

Articulated Credit: Moorpark College, CSU Transfer

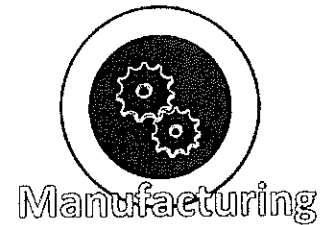
This course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also be able to connect to the Internet and share resources in a networked environment. New topics in this version include mobile devices such as tablets and smartphones and client side virtualization. Expanded topics include the Microsoft Windows 7 operating system, security, networking, and troubleshooting.

Hands-on lab activities are an essential element of the course. The Virtual Laptop and Virtual Desktop are standalone tools designed to supplement classroom learning and provide an interactive "hands-on" experience in learning environments with limited physical equipment.

Certification: Cisco Packet Tracer activities are designed for use with Packet Tracer 5.3. The use of Packet Tracer will support alignment with the new CompTIA A+ certification objectives.

Prerequisite: None

Welding



INTRODUCTION TO WELDING

Grade Level: 9, 10, 11, 12	Recommended Credits: 10	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
CoUC a-g: N/A	CBEDS Code: 5619	H.S. Grad Requirement: CTE

Articulated Credit: Ventura College, CSU Recommended

This course is designed for the student who wants to develop the knowledge and skills essential to obtain an entry-level job in the welding industry. The subject matter of this course includes: welding theory and skill development in gas welding and cutting, arc welding, wire feed welding (MIG), Heli-arc (TIG) and Plasma cutting. These skills are obtained through practical exercises and the design and construction of welded projects. Students also serve an unpaid internship in the welding industry. This course is designed for the student who wants to develop the knowledge and skills essential to obtain an entry-level job in the welding industry.

Certification: ROP Certificate of Proficiency

Prerequisite: None

ADVANCED WELDING

Grade Level: 11, 12	Recommended Credits: 10	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: N/A	CBEDS Code: 5639	H.S. Grad Requirement: CTE

Articulated Credit: Ventura College, CSU Recommended

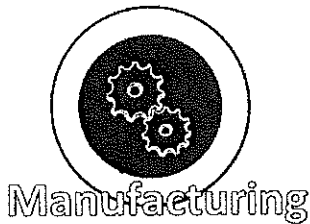
This course provides students with an understanding of manufacturing processes and systems common to careers in welding and related industries. This instructional program prepares individuals to use both gas welding (OAW) and any combination of arc welding processes (SMAW, GMAW, GTAW) to weld metal parts and plan and lay out materials as specified by diagrams, blueprints, or written specifications.

Representative topics include the interpretation and layout of welded and assembled-part prints, mechanical bonding, joining, cohesive bonding, adhesive bonding, and mechanical fastening. It prepares individuals to fabricate and assemble a variety of products and includes instruction in layout; the sequence of design; the construction of templates and fixtures; and the positioning, aligning, fitting, and welding of parts. Representative course titles include: welding technology, metal fabrication, welding combination, welding electric, welding gas, etc.

Certification: OSHA 10; ROP Certificate of Proficiency

AWS Certified Welding Inspector: Welding Qualification and processes available

Prerequisite: Intro to Welding



Product Design

TECHNOLOGY AND ART OF ENGINEERING

Grade Level: 11, 12	Recommended Credits: 20	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 5574	H.S. Grad Requirement: CTE
Articulated Credit: Moorpark College, CSU transfer		
Students will learn basic skills in Computer Aided Drafting and Computer Aided Manufacturing and use these modeling and programming skills to work in the lab printing 3d parts and machining parts of their own design. Students will learn manual and Computer Aided Manufacturing tool path creation for the purpose of building a fully functional guitar.		
Certification: ROP Certificate of Proficiency		
Prerequisite: None		

ROBOTIC TECHNOLOGIES

Grade Level: 11, 12	Recommended Credits: 20	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: Yes	CBEDS Code: 4647	H.S. Grad Requirement: CTE
Articulated Credit: N/A		
This course introduces students to the working principles and foundational knowledge of robotics. Students learn to control a single robot and multiple robots by graphical user interface, pose teaching, and object-oriented programs. Students write robotics programs to perform various tasks based on the sensory information of the robot. Through hands-on problem-based projects, students develop critical thinking, problem solving, effective communication, and team work skills. Robots are used as platforms to engage students in collaboratively learning science, technology, engineering, and math. This course emphasizes hands-on robotics activities with a concentration on algorithm development for solving problems in math and science.		
Certification: ROP Certificate of Proficiency		
Prerequisite: None		

SCREENPRINTING

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 5634

H.S. Grad Requirement: CTE

Articulated Credit: N/A

This course is designed to prepare junior and senior students with the skills needed for entry-level positions within the screen printing industry. Students will develop skills in textile screen-printing, printing terminology, equipment used for the printing process, buying and selling silk-screened products, inks and ink characteristics, multi colored projects, and how to print on textiles and vinyl decals. Students integrate other disciplines, including mathematics, English, science, business, and art.

Certification: ROP Certificate of Proficiency

Prerequisite: None



Legal Practices

CRIMINAL JUSTICE

Grade Level: 9, 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 5847	H.S. Grad Requirement: CTE
Articulated Credit: Moorpark College, CSU/UC Transfer		

This course provides an introduction to the criminal justice system, focusing on state and federal laws designed to safeguard the public. Also included are analysis of civil rights guarantees, an introduction to the state and federal court system and an overview of the role of law enforcement personnel within the justice system. Students are introduced to the academic, personal, physical and psychological prerequisites for a career in law enforcement and the shared mission of local, state, federal and international safety agencies in safeguarding the public and property.

Certification: ROP Certificate of Proficiency

Prerequisite: None

COMMUNITY BASED LEARNING

Grade Level: 9, 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: Yes	Delivery Model: Lab	Location: CEC Camarillo Airport
UC a-g: N/A	CBEDS Code: 4398	H.S. Grad Requirement: CTE
Articulated Credit: N/A		

This community-based learning (CBL) course introduces student to organizations working with and for disadvantaged and underserved individuals or groups, to meet community-defined needs. Students are introduced to community-based needs assessment research; Grant application writing for a community-based organization; policy analysis work; public hearings preparation; designing educational campaigns; and supporting the creation of materials related to advocacy projects. The course heightens student awareness of the concept of social justice and facilitates students' ability to reflect in deep and constructive ways they can support their community. Service Based Learning Component - students' volunteer in community-based work to heighten their engagement with central academic themes and material in the course .

Certification: ROP Certificate of Proficiency

Prerequisite: None

Emergency Response



EMERGENCY MEDICAL RESPONDER

Grade Level: 11, 12

Recommended Credits: 10

Length: Semester

Internship: No

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 5809

H.S. Grad Requirement: CTE

Articulated Credit: Pending

Students will learn to provide immediate medical attention in a variety of situations, and to assist emergency medical service providers (EMS). Completion of this class will provide a strong background useful in many careers including: fire service, sports medicine, life-guard positions, ski patrol, medical personnel, and in preparation for EMT courses.

Certification: ROP Certificate of Proficiency

Prerequisite: Medical Terminology, Intro to Medical Careers, or Instructor Approval

INTRODUCTION TO EMERGENCY SERVICES

Grade Level: 9, 10, 11, 12

Recommended Credits: 10

Length: Semester

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: Pending

CBEDS Code: 5810

H.S. Grad Requirement: CTE

Articulated Credit: Pending

This course is the introductory course in the Emergency Services Pathway and prepares high school students for work in entry-level positions or to pursue advanced skill training in Emergency Services. Course content includes classroom instruction, hands-on training and community experience. This course is designed to provide students with an understanding of the variety of agencies, employment opportunities and necessary skill in the area of Emergency Services. The emphasis will be in the field of Fire Science and Emergency Medical Response, but includes wild land services, and emergency management.

Certification: ROP Certificate of Proficiency

Prerequisite: None



Structural Repair and Refinishing

AUTO BODY REPAIR

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 5664

H.S. Grad Requirement: CTE

Articulated Credit: Oxnard College, CSU Transfer

This course will prepare students with the skills necessary for entry-level positions within the automotive refinishing industry. Students will learn the tools, materials, and techniques used to repair damaged auto bodies and fenders. The course also includes metal straightening, welding, identification and use of tools.

Certification: **PENDING**— Students may complete all ProLevel 1 requirements and earn I-CAR's Platinum designation.

Prerequisite: Introduction to Auto Technology Recommended

AUTO PAINT AND REFINISHING

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 5666

H.S. Grad Requirement: CTE

Articulated Credit: Oxnard College, CSU Transfer

This course will prepare students with skills necessary for entry-level positions within the automotive refinishing field. The training emphasis is on metal and plastic surface preparation, masking techniques and materials, application, sanding of primer and finish coats, and pre and post painting clean up, and detailing techniques.

Certification: **PENDING**— Students may complete all ProLevel 1 requirements and earn I-CAR's Platinum designation.

Prerequisite: Introduction to Auto Technology Recommended

ADVANCED AUTO PAINT and GRAPHICS

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 5666

H.S. Grad Requirement: CTE

Articulated Credit: Oxnard College, CSU Transfer

This is an introductory course that gives a comprehensive overview of automotive graphics including preparation and layout of pin striping, touchup, candies, pearls & metal flame.

Certification: **PENDING**— Students may complete all ProLevel 1 requirements and earn I-CAR's Platinum designation.

Prerequisite: Auto Paint or Auto Body Repair or Instructor Approval

INTRODUCTION TO AUTOMOTIVE TECHNOLOGY

Grade Level: 9, 10, 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code:

H.S. Grad Requirement: CTE

Articulated Credit: Pending

This course provides basic techniques of automotive technology, adjustment, repair and maintenance of the engine; driving mechanism; suspension and steering system; electrical system and fuel systems in modern automotive equipment.

Certification: ROP Certificate of Proficiency

Prerequisite: None

AUTOMOTIVE TECHNOLOGY

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 5668

H.S. Grad Requirement: CTE

Articulated Credit: Oxnard College, Ventura College, CSU Transfer

This course is a comprehensive overview of basic operation principles and repair procedures. Systems included are ignition, charging, cranking, cooling, fuel, lubrication, brakes, engine operation, basic electricity, and suspension. The student will also learn basic customer service; parts department and/or service advisor skills.

Certification: PENDING—ASE Student Certification

Prerequisite: Introduction to Auto Technology Recommended

ADVANCED AUTOMOTIVE TECHNOLOGY

Grade Level: 11, 12

Recommended Credits: 20

Length: Year

Internship: Yes

Delivery Model: Lab

Location: CEC Camarillo Airport

UC a-g: N/A

CBEDS Code: 669

H.S. Grad Requirement: CTE

Articulated Credit: Oxnard College, CSU Transfer

This course provides preparation with the skills required in the diagnosing, servicing and repairing automotive ignition, fuel injection and engine computer management systems. Students practice the skills required for diagnosing, servicing and repairing these systems. The student will use engine computer scan tools and lab scopes for testing purposes.

Certification: Preparation for the ASE certification test in engine performance

Prerequisite: Introduction to Auto Technology Recommended



Operations

AIR ACADEMY: INTRODUCTION to AVIATION

Grade Level: 9, 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: No	Delivery Model: Lab	Locations: CEC Camarillo Airport, CSUCI
UC a-g: N/A	CBEDS Code: 5656	H.S. Grad Requirement: CTE

Articulated Credit: Santa Barbara Business College

This course is designed for students that are interested in entry-level positions in the aviation industry. The instruction includes safety, rules and regulations, airport operations, fixed based operations, airport security, aerodynamics, meteorology, aircraft maintenance, aircraft engines, aircraft structure and mechanics, interpersonal and communication skills, and employability skills. Special emphasis is placed upon preparing students for the Federal Aviation Administration's private pilot ground written exam. The course also addresses California's math and language arts standards.

Students develop math skills that prepare them for a technical career and/or postsecondary education.

Certification: ROP Certificate of Completion

Prerequisite: None

AIR ACADEMY: GROUND SCHOOL CERTIFICATION

Grade Level: 11, 12	Recommended Credits: 10	Length: Semester
Internship: No	Delivery Model: Lab	Locations: CEC Camarillo Airport
UC a-g: Pending	CBEDS Code: 5656	H.S. Grad Requirement: CTE

Articulated Credit: Santa Barbara Business College

An aviation ground school course preparing students for the FAA written exam for private pilots. Topics covered include aircraft systems, instruments, and performance; meteorology, navigation, and communications; and emergency procedures, airports and complex aircraft systems. This course does not include flight training, FAA written exam or FAA exam fee. Students must make arrangements to take the exam on their own.

Certification: Preparation for Ground School Certification

Semester 2 Recommendation: Introduction to Aviation or Instructor Approval

AIR ACADEMY: UNMANNED AERIAL VEHICLES

Grade Level: 11, 12

Recommended Credits: 10

Length: Year

Internship: No

Delivery Model: Lab

Locations: CEC Camarillo Airport, CSUCI

UC a-g: Pending

CBEDS Code: 5667

H.S. Grad Requirement: CTE

Articulated Credit: Santa Barbara Business College

This course will introduce Small UAV Design and Operations. Students will receive hardware and software instruction, and will conduct a series of labs to build and test a small UAV in flight. This course is part of the new Air Academy at the Camarillo Airport campus that includes aviation ground school and a second year of UAV when students will focus on mission-specific projects.

Certification: Preparation for Ground School Certification, Radio OPS License

Prerequisite: Introduction to Aviation or Instructor Approval

Practicum

ACADEMIC APPLIED PRACTICUM

Grade Level: 9, 10, 11, 12	Recommended Credits: 20	Length: Year
Internship: No	Delivery Model: Lab	Location: Various
UC a-g: N/A	CBEDS Code: 4602	H.S. Grad Requirement: CTE
Articulated Credit: N/A		

Students enrolled in a career education center capstone course may concurrently enroll in a practicum class while completing an internship. The practicum course allows students to increase their time commitment to their internships and earn additional credit towards graduation. During a practicum, students may be assigned to an internship site or they may be given projects by members of industry and/or external clients that are conducted in-class under the supervision of an instructor.

Students are evaluated using a worksite assessment as well as an individualized training plan (ITP) that is provided by the teacher.

Students may earn 5 credits for every 90 additional intern hours completed per semester.

Certifications: N/A

Prerequisite: None

CAREER EDUCATION CENTER

COURSE CATALOG

Definition of Terms

Internship: Courses that include internships utilize unpaid on-the-job training. During internships, students will spend four to six weeks at a job site, usually in the spring semester. Students report to the job site during the time they would normally be at the Career Education Center. However, if this is not possible other hours may be arranged. For courses that include an internship, internship hours must be completed to achieve an ROP Certificate of Proficiency. Some courses in the health profession require clinical hours to qualify for state certificates, which may have different requirements. These are outlined in the course syllabus.

Online Blended: Courses will include both face-to-face and online learning. Face-to-face meetings, called Lab Days, will be held at the Career Education Center (unless otherwise arranged) and will occur once every two weeks. Students will complete a minimum of 8 hours per week of online work and 8 hours of Lab Days per month. Transportation to Lab Days will be provided. Over the course of a 19 week semester, students will completely approximately 210 hours in an online blended course.

Pending: Courses are in the process of Articulation and/or have been submitted for UC a-g approval.

CAREER EDUCATION CENTER

465 Horizon Circle, Camarillo, CA 93010

(805) 437-1420

Fax: (805) 437-1490

Dr. Tiffany Morse

Director

INFORMATION

Rose Evans — Student Services Assistant 437-1425
roevans@vcoe.org

Peg Meredith — Student Services Assistant 437-1424
pmeredith@vcoe.org

