

Community Services Education

Overview

Community Services offerings enable you to improve the quality of your life through lifelong learning. This program of fee-based classes is designed to serve individuals with educational goals that do not require college credit.

Division [Community Services Education Natomas Center \(/academics/arc-natomas-center/arc-natomas-center-main-office\)](#)

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Community Services Education (CSERV) Courses

CSERV 2010 Emergency Medical Technician Renewal

Units: 0
 Prerequisite: None.
 Catalog Date: January 1, 2021

Course is designed to review basic prehospital topics and skills required for National Registry of Emergency Medical Technician recertification.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Understanding National Registry recertification guidelines and course requirements.
- Justify prehospital treatment plans aligned to a variety of common chief complaints.
- Demonstrate minimum performance competency of required Emergency Medical Technician skills as required by Title 22 of the California State Code of Regulations.
- Discuss signs and symptoms, treatment standards and communication requirements associated with common prehospital medical and trauma responses.
- Justify patient management performance as it compares to local, state and national Emergency Medical Services standards.

CSERV 2011 Emergency Medical Technician Skills Competency Verification

Units: 0
 Prerequisite: None.
 Catalog Date: January 1, 2021

This course is designed to provide Emergency Medical Technicians (EMT) the opportunity to verify EMT-Skills Competency as required by the California Emergency Medical Services Authority.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Demonstrate minimum performance competency on all Title 22 EMT required skills. Skills include: Trauma assessment, Medical assessment, airway emergencies, breathing emergencies, AED & CPR, circulation emergencies, neurological emergencies, soft tissue injuries, musculoskeletal injury, and obstetrical emergencies.

CSERV 2013 Pediatric Advanced Life Support

Units: 0
 Prerequisite: None.
 Catalog Date: January 1, 2021

The PALS course gives healthcare professionals the knowledge and skills to better recognize and treat critically ill infants and children. The course uses a scenario-based, team approach to teach pediatric emergency management of pediatric patients approaching or already in respiratory or cardiac arrest. The course covers treatment beyond the first few emergency minutes and goes through stabilizing patients or transport phases of a pediatric emergency, in or out of the hospital.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Diagram and perform the emergency treatment of infants and children at risk for cardio-pulmonary arrest.
- Summarize systematic approach to pediatric assessment.
- Demonstrate effective respiratory management in a infant or child in respiratory failure.
- Validate skills for 1- and 2-person CPR and AED skills for infants and children.
- Demonstrate defibrillation and synchronized cardioversion for pediatric patients.
- Demonstrate intraosseous access and fluid bolus administration.
- Put into action effective resuscitation team dynamics

CSERV 2014 Pediatric Advanced Life Support Renewal

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

The PALS course gives healthcare professionals the knowledge and skills to better recognize and treat critically ill infants and children. The course uses a scenario-based, team approach to teach pediatric emergency management of pediatric patients approaching or already in respiratory or cardiac arrest. The course covers treatment beyond the first few emergency minutes and goes through stabilizing patients or transport phases of a pediatric emergency, in or out of the hospital. Recertification/renewal is provided to professional with a current provider level PALS certification.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Recall the systematic approach to pediatric assessment.
- Adapt treatment plans to accurately reflect changes in patient acuity.
- Summarize the effective dynamics utilized during pediatric resuscitation events.
- Demonstrate minimum competency of the PALS Core Cases.

CSERV 2015 Advanced Cardiac Life Support

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

Emergency Health Care Providers frequently manage patients with life-threatening cardiac events. This course will enhance their skills in treating adult victims of cardiac arrest or other cardiopulmonary emergencies. This course emphasizes will include:

- importance of basic life support CPR to patient survival
- integration of effective basic life support with ACLS interventions
- importance of effective team interaction and communication during resuscitation

The course includes simulated clinical scenarios that encourage active, hands-on participation through learning stations where students practice essential skills individually, as part of a team, and as team leader.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Diagram and perform the emergency treatment of adults at risk for cardio-pulmonary arrest.
- Summarize systematic approach to adult cardiac assessment.
- Demonstrate effective respiratory management in a adult in respiratory failure.
- Validate skills for 1- and 2-person CPR and AED skills for adult cardiac arrest patients.
- Demonstrate defibrillation and synchronized cardioversion and transcutaneous pacing for the adult patient.
- Demonstrate intraosseous access and fluid bolus administration.
- Put into action effective resuscitation team dynamics

CSERV 2016 Advanced Cardiac Life Support Renewal

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

Emergency Health Care Providers frequently manage patients with life-threatening cardiac events. This course will enhance their skills in treating adult victims of cardiac arrest or other cardiopulmonary emergencies. This course emphasizes will include: • importance of basic life support CPR to patient survival • integration of effective basic life support with ACLS interventions • importance of effective team interaction and communication during resuscitation The course includes simulated clinical scenarios that encourage active, hands-on participation through learning stations where students practice essential skills individually, as part of a team, and as team leader. Recertification assumes experience as a provider of ACLS.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Demonstrate minimum treatment competency of the required ACLS Core Cases.

CSERV 2018 National Registry Paramedic Licensure Preparation

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to prepare paramedic students for the National Registry of Emergency Medical Technicians-Paramedic Licensure Examination.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Discuss pathophysiology, signs and symptoms, and emergency care of patients with medical-based complaints.
- Discuss pathophysiology, signs and symptoms, and emergency care of patients with trauma-based complaints.
- Demonstrate minimum competency for all required NREMT Advanced Skills.

CSERV 2019 National Registry Paramedic Licensure Testing

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to test paramedic students for minimum skills competency for the National Registry of Emergency Medical Technicians-Paramedic.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Demonstrate minimum standards of skills competency as set by the National Registry of Emergency Medical Technicians. Advanced skills tested follow NREMT policies and procedures.

CSERV 2020 12 Lead EKG Interpretation and Advanced Cardiac Care

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed for practicing health care professionals who manage and treat emergency cardiac patients. The course presents current concepts involving 12 lead EKG application, interpretation and associated advanced emergency cardiac care.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Explain Acute Coronary Syndromes.
- Analyze various reperfusion therapies.
- Identify and interpret EKG complexes and wave forms.
- Diagnose cardiac abnormalities using a variety of 12-Lead EKGs.
- Demonstrate standard application of the 12-Lead EKG monitor.
- Examine a variety of emergency cardiac care standards as they relate to various EKG interpretations.

CSERV 2021 MCI & Incident Command System Basics

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed for Public Safety professionals interested in understanding the basic concepts of both the Incident Command System (ICS) and Mass Casualty Incidents (MCI). The course provides students with simulated opportunities to implement the ICS when presented with MCI events.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Examine the basic elements of the Incident Command System.
- Compare command procedures used at small-,medium-, and large-scale medical incidents.
- Describe the functional components of the incident command system in terms of command, finance, logistics, operations, and planning.
- Employ the incident command system given a variety of mass casualty incidents.

CSERV 2022 Trauma Life Support

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to provide students with the knowledge and skills to better manage trauma patients in the prehospital environment. The courses involves international standards that enable the student to master the latest techniques in rapid trauma assessment, identification of immediate life-threatening injuries and the appropriate medical interventions.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Perform an effective scene size up and determination of the mechanisms of injury.
- Using the Priority Plan, determine patient acuity levels during a rapid trauma assessment.
- Analyze trauma treatment implementation and adapt to align with changing patient conditions.
- Recognize signs and symptoms associated with Shock Syndromes.
- Demonstrate airway management, fluid resuscitation skills, spinal management skills, and extremity trauma skills
- Given a variety of trauma-based scenarios, utilize appropriate trauma assessment and management skills for adults, children, the elderly, pregnant patients and those under the influence of alcohol or drugs.
- Perform trauma management skills during traumatic cardiopulmonary arrest.

CSERV 2030 Russian for Business and Travel I

Units: 0

Prerequisite: None.
Catalog Date: January 1, 2021

This is an introductory course in Russian that emphasizes basic business and travel-related vocabulary as well as cultural/nonverbal aspects of Russian business communication. This low-stress course introduces only the grammar and structures absolutely necessary for speaking and is oriented to the development of travel and business speech habits. It covers such topics as formal and informal greetings and farewells, getting acquainted, talking about self and family, asking for directions and transportation, describing weather, feelings and emotions. The course also enhances participants' general understanding of Russian-speaking cultures and introduces some significant aspects of Russian geography and modern history. No prior knowledge of Russian is required.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use basic Russian conversational skills in travel and business meetings as well as for personal enjoyment.
- initiate simple statements and answer basic questions related to greetings and farewells, directions, self-introduction, giving a tour, talking about time, days of the weeks and weather, discussing some feelings and emotions.
- demonstrate basic knowledge of Russian geography and an understanding of some of the more significant aspects of contemporary Russian business culture.
- integrate basic Russian language and cultural knowledge in a variety of situations.
- cope with an understand basic speech situations related to business and travel.

CSERV 2031 Russian for Business and Travel II

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This is an introductory course in Russian that emphasizes basic business and travel-related vocabulary as well as cultural/nonverbal aspects of Russian business communication. This low-stress course introduces only the grammar and structures absolutely necessary for speaking and is oriented to the development of travel and business speech habits. It covers such topics as airport procedures, baggage claim information, daily routine, hotel-related phrases, money, and vocabulary and ethics of phone conversations. The course also enhances participants' general understanding of Russian-speaking cultures and introduces some significant aspects of Russian geography and modern history. Intended for community members with minimal previous knowledge of Russian.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use basic Russian conversational skills in travel and phone conversations.
- initiate simple statements and answer basic questions related to airport procedures, transportation, accommodation, and personal belongings.
- express some feelings, emotions, likes and dislikes.
- demonstrate basic knowledge of Russian geography and an understanding of some of the more significant aspects of contemporary Russian business culture.
- integrate basic Russian language and cultural knowledge in a variety of situations.
- cope with and understand typical speech situations related to business and travel.

CSERV 2040 Medical Spanish: Part 1

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to help community members and people who are interested in helping the sick by providing the following: Medical Spanish Terminology and phrases for non-native speakers of Spanish wishing to enhance their ability to communicate with their Spanish-speaking patients, as well as for native speakers of Spanish wishing to broaden their use of medical terminology in order to be able to communicate more effectively with their family members in a variety of health settings. Emphasizes oral communication in a variety of medical settings by focusing on basic language exchange between doctor/nurse and patient. No prior knowledge of Spanish required. *Provider Approved by the Board of Registered Nursing for 32 Contact Hours per 8-week course. Provider #CEP15540.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use Spanish conversational skills in a variety of medical settings.
- listen to and pronounce words in Spanish that focus primarily on medical terminology.
- communicate information, ask questions and discuss physical symptoms with some grammar provided.
- gain sensitivity and understanding of the Spanish-speaking cultures as well as how to best approach Spanish-speaking patients.

CSERV 2041 Medical Spanish: Part 2

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to help community members and people who are interested in helping the sick by providing the following: Medical Spanish Terminology and phrases for non-native speakers of Spanish wishing to enhance their ability to communicate with their Spanish-speaking patients, as well as for native speakers of Spanish wishing to broaden their use of medical terminology in order to be able to communicate more effectively with their family members in a variety of health settings. Emphasizes oral communication in a variety of medical settings by focusing on vocabulary and phrases used by specialists and their patients. Basic prior knowledge of Spanish recommended. *Provider Approved by the Board of Registered Nursing for 32 Contact Hours per 8-week course. Provider #CEP15540.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use Spanish conversational skills in a variety of medical settings.
- listen to and pronounce words in Spanish that focus primarily on medical terminology.
- communicate information, ask questions and discuss physical symptoms with some grammar provided.
- gain sensitivity and understanding of the Spanish-speaking cultures as well as how to best approach Spanish-speaking patients.

CSERV 2042 Medical Spanish: Part 3

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to help community members and people who are interested in helping the sick by providing the following: Medical Spanish Terminology and phrases for non-native speakers of Spanish wishing to enhance their ability to communicate with their Spanish-speaking patients, as well as for native speakers of Spanish wishing to broaden their use of medical terminology in order to be able to communicate more effectively with their family members in a variety of health settings. Emphasizes oral communication in a variety of medical settings by focusing on vocabulary and phrases used at medical centers and hospitals. Some prior knowledge of Spanish, along with the ability to converse in both the present and the past, recommended. *Provider Approved by the Board of Registered Nursing for 32 Contact Hours per 8-week course. Provider #CEP15540.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use Spanish conversational skills in a variety of medical settings.
- listen to and pronounce words in Spanish that focus primarily on medical terminology.
- communicate information, ask questions and discuss physical symptoms with some grammar provided.
- gain sensitivity and understanding of the Spanish-speaking cultures as well as how to best approach Spanish-speaking patients.

CSERV 2043 Medical Spanish: Part 4

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is designed to help community members and people who are interested in helping the sick by providing the following: Medical Spanish Terminology and phrases for non-native speakers of Spanish wishing to enhance their ability to communicate with their Spanish-speaking patients, as well as for native speakers of Spanish wishing to broaden their use of medical terminology in order to be able to communicate more effectively with their family members in a variety of health settings. Emphasizes oral communication in a variety of medical settings by focusing on different health problems current to society. Some prior knowledge of Spanish with the ability to converse in the present, past and future recommended. *Provider Approved by the Board of Registered Nursing for 32 Contact Hours per 8-week course. Provider #CEP15540.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- use Spanish conversational skills in a variety of medical settings.
- listen to and pronounce words in Spanish that focus primarily on medical terminology.
- communicate information, ask questions and discuss physical symptoms with some grammar provided.
- gain sensitivity and understanding of the Spanish-speaking cultures as well as how to best approach Spanish-speaking patients.

CSERV 2080 BAR A-6 Alternative - Electrical and Electronic Systems Training

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is an intensive Bureau of Automotive Repair-approved review of automotive electrical/electronic systems. It partially satisfies the ASE certification requirement when applying for a Smog Check technician license.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- test electrical circuits and faults.
- diagnose electrical problems using analog and digital meters and logic probes.
- define faults using test equipment.
- interpret electrical wiring diagrams and their role in troubleshooting.
- solve problems related to circuit resistance.
- evaluate effect of circuit resistance on temperature and driveability.

CSERV 2081 BAR A-8 Alternative - Engine Performance Systems

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is an intensive Bureau of Automotive Repair-approved review of automotive engine performance systems. It partially satisfies ASE certification requirement when applying for a Smog Check technician license.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- apply organized troubleshooting techniques
- test ignition systems with oscilloscopes
- diagnose fuel metering systems
- diagnose engine mechanical problems
- use four-gas analyzers for emissions diagnostics

CSERV 2082 BAR Approved L-1 Alternative

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is preparation for the Bureau of Automotive Repair (BAR) – approved Advanced Engine Performance Exam. Topics covered include Power Train Diagnosis, Computer Control Diagnostics, Ignition System Diagnostics, Fuel and Air Induction Diagnostics, Emission Control Diagnostics, and I/M Failure Diagnosis. The BAR L-1 Alternative test is administered at the end of the class.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- explain diagnostic principles of Advanced Engine Performance
- diagnose engine control systems
- analyze engine control failures
- analyze and troubleshoot internal engine failures and their effect on engine exhaust systems

CSERV 2083 Bureau of Automotive Repair Emissions Update

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is required for all licensed smog technicians who need to meet California emissions control smog license renewal standards.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- perform pre-inspection and final inspection procedures.
- identify vehicles requiring special testing procedures
- apply the current rules and regulations in performing a Smog Check inspection
- use current state-of-the-art diagnostic equipment.
- evaluate catalytic converter test results.
- analyze the Smog Check vehicle inspection report and apply appropriate diagnostic techniques.

CSERV 2087 California Council on Diesel Education and Technology 1 (CCDET 1)

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is offered to individuals who have received emissions code violations. It covers the California Council on Diesel Education and Technology, or CCDET requirements for Heavy Duty Vehicle Inspection and Periodic Smoke Detection Programs. Topics include common causes of high diesel smoke levels and smoke diagnostic information.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Address causes of excess smoke.
- Demonstrate test procedures as they relate to smoke emissions.
- Demonstrate test procedures as they relate to opacity testing.

CSERV 2089 California Council on Diesel Education and Technology 2 (CCDET 2)

Units: 0
Prerequisite: None.
Catalog Date: January 1, 2021

This course is offered to individuals who have received emissions code violations. It covers the California Council on Diesel Education and Technology, or CCDET requirements for After-treatment and Maintenance as it applies to Diesel exhaust. Topics include strategies to reduce diesel particulate matter and Heavy Duty Diesel Engine certification standards.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

- Describe new heavy-duty diesel engine certification standards.
- Demonstrate diesel particulate reduction strategies.
- Demonstrate proper application of sensor technology as it applies to emissions standards.

Community Services Classes (CSERV)

EXPLORE COMMUNITY SERVICES CLASSES (CSERV) > (/ACADEMICS/ARC-NATOMAS-CENTER/COMMUNITY-SERVICES-CLASSES-(CSERV))

