Paramedic

Degree: A.S. - Paramedic
Certificate: Paramedic

Area: Health & Education
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Paramedicine is a specialty whose practitioners respond to emergencies before a patient reaches a hospital, rendering basic and advanced medical treatment before and during transport to a medical facility. Paramedics work for fire departments, rescue squads, private providers, industrial companies, clinics, and hospitals.

Classroom, clinical and field internship training prepares paramedics to assess and treat a wide variety of medical emergencies. The knowledge, skills and experience gained through the paramedic program allows students to meet the responsibilities outlined in the Department of Transportation National Standard Curriculum.

The ARC Paramedic program is designed to prepare the student for licensure as a paramedic, working for a fire department, rescue squad, private provider, industry, clinic or hospital.

Under the direct supervision and evaluation of a mobile intensive care nurse, the student will complete a clinical internship experience at a designated hospital site. Under the direct supervision of a licensed paramedic, the student will complete a field internship. This provides pre-hospital experience and is the last course in the series preparing the student for licensure.

In order to apply for the program, a student must have current certification as an EMT-Basic and one year verified EMS experience, and a grade of "C" or better in a college-level human anatomy and physiology course which covers all systems.

Requirements for Pre-enrollment to the Program

1. Graduation from an accredited high school in the United States, or successful completion of GED or CHSPE.
2. Current certification as an EMT-Basic and approximately one year verified recent and appropriate EMS experience or equivalent course PMED 102 with a grade of "C" or better. Assessment of experience and/or equivalency will be made by a program admissions committee.
3. A cumulative college GPA of 2.0 and a grade of “C” or better in BIOL 102 or BIOL 430 and BIOL 431 or other college human anatomy and physiology course with a lab which includes all human systems; a grade of “C” or better in NURSE 320 or PMED 105.
4. Current curriculum planning summary sheet (within the semester in which the pre-enrollment packet is being submitted).

Pre-Enrollment Deadline
Pre-enrollment applications to the program may be obtained from the Health and Education Division office in Rm 701, the Counseling Department, or at www.arc.losrios.edu/edhealth/paramed.html. A summer program will be offered in 2005.

Selection Process
1. Only students who meet the educational requirements and follow the pre-enrollment procedures will be considered for the program. Meeting all of these requirements does not guarantee enrollment in the program.
2. Class size is limited. If the pre-enrollment pool is greater than the program can accept, students are chosen based on a computerized random selection process from among the qualified candidates.
3. Students accepted into the Paramedic program are required to have a physical examination, inoculations, drug screen, background check, and malpractice insurance prior to entering the second semester.

Requirements for Degree Major 36.5-43.5 units

Core Requirements Units
BIOL 102 (4) or BIOL 430 (5) and BIOL 431 (5) 4-10
PMED 105 (.5) or NURSE 320 (1.5) .5-1.5

Concentration Requirements Units
PMED 110 12
PMED 120 6
PMED 130 14

General Education Graduation Requirements: In addition to completing the degree requirements, students must also complete the general education graduation requirements for an A.A./A.S. degree. See ARC graduation requirements.

Requirements for Certificate 36.5-43.5 units

Core Requirements Units
BIOL 102 (4) or BIOL 430 (5) and BIOL 431 (5) 4-10
PMED 105 (.5) or NURSE 320 (1.5) .5-1.5

Concentration Requirements Units
PMED 110 12
PMED 120 6
PMED 130 14
**PMED 100**  Emergency Medical Technician - Basic  5 Units  
Prerequisite: HEED 310 with a grade of “C” or better or Current Cardiopulmonary Resuscitation Certification (Healthcare Provider or Professional Rescuer).  
Hours: 72 hours LEC; 72 hours LAB  
This course is designed to provide instruction to the level of Emergency Medical Technician - Basic. Topics include skills necessary to provide emergency medical care at a basic life support level with a fire, ambulance, or other specialized service. This course is conducted in compliance with Title 22, Division 9, Chapter 2 of the California Code of Regulations and Emergency Medical Technician - Basic (EMT-B). A “C” or better is required for certification as Emergency Medical Technician - Basic. May be taken four times. Not open to students with a current EMT - Basic certificate.

**PMED 101** Pre-Paramedic, Emergency Medical Technician - Basic, Pre-Hospital Field Internship  .5 Units  
Prerequisite: Current certification of Emergency Medical Technician - Basic (EMT-B).  
Hours: 8 hours LEC; 16 hours LAB  
This course is designed for the Emergency Medical Technician - Basic (EMT-B) to review a variety of emergency field skills in preparation to begin a field internship. It also includes a selected number of EMT-B skills used as part of the skills competency requirement by the National Registry of Emergency Medical Technicians. This course may be taken four times. Credit/No Credit Only.

**PMED 102** Emergency Medical Technician - Basic, Pre-Hospital Field Internship  5 Units  
Prerequisite: PMED 101.  
Advisory: ENGWR 102 or ENGWR 103 and ENGRD 116, or ESLW 320, and ELC 320; MATH 32.  
Hours: 18 hours LEC; 216 hours LAB  
This course is an internship that provides opportunities to refine hands-on basic life support skills in the pre-hospital setting. This internship is in preparation for application to the American River College, Paramedic Education Program.

**PMED 105** Prehospital Calculations  .5 Units  
Formerly: PMED 64  
Prerequisite: Current certification as an EMT-basic in the state of California, as required by Title 22.  
Advisory: MATH 32.  
Hours: 9 hours LEC  
This course provides basic instruction in calculating medication dosages in the pre-hospital setting.

**PMED 110** Introduction to Advanced Prehospital Care  12 Units  
Prerequisite: Acceptance into the Paramedic Program.  
Hours: 144 hours LEC; 216 hours LAB  
This course contains the didactic material and the related skills necessary to establish a foundation of medical care in the wilderness setting. Anatomy and physiology, care of traumatic injuries, patient assessment, and the practical application of medical care in the wilderness setting are included. Additionally, basic wilderness survival for the initial responder, and selecting and caring for wilderness medical equipment and supplies will be covered. This course emphasizes improvisation options, and long term care in field settings.

**PMED 120** Clinical Internship  6 Units  
Formerly: PMED 52  
Prerequisite: PMED 110, with a grade of “C” or better; current Emergency Medical Technician Certification.  
Hours: 36 hours LEC; 216 hours LAB  
This course is designed to provide an opportunity to apply the cognitive knowledge and skills gained in the Paramedic course to patient care in a hospital setting. This course provides for increasing assessment techniques and advanced skills.

**PMED 130** Prehospital Field Internship  14 Units  
Prerequisite: PMED 120 with a grade of “C” or better.  
Enrollment Limitation: Current EMT-Basic(I) certification. After enrollment, all students required to successfully complete a background check prior to starting a field internship assignment.  
Hours: 54 hours LEC; 600 hours LAB  
Under the direct supervision and evaluation of a licensed paramedic or a mobile intensive care nurse, the intern completes a prehospital field experience. This internship provides the paramedic student with hands-on prehospital experience and is the final course in the series preparing the for a California paramedic license.

**PMED 140** Pediatric Advanced Life Support Certification (PALS)  .5 Units  
Prerequisite: Current Provider C Basic Cardiac Life Support Card or county-approved equivalent certificate.  
Hours: 6 hours LEC; 12 hours LAB  
This course provides education modules for health care professionals specific to pediatric emergencies. Certification in pediatric advanced life support is granted to students who successfully complete the course. This course may be taken four times.

**PMED 142** Advanced Cardiac Life Support Certification  .5 Units  
Prerequisite: Current Provider C Basic Cardiac Life Support Card or equivalent licensure as a paramedic, nurse, physician, allied health professional or current enrollment in an Allied Health program.  
Hours: 6 hours LEC; 12 hours LAB  
This course provides education modules for health care professionals specific to pediatric emergencies. Certification in advanced cardiac life support is granted to students who successfully complete the course. This course may be taken four times.

**PMED 160** Introductory Wilderness Medicine  2 Units  
Formerly: PMED 61  
Prerequisite: Current certification in provider level Cardiopulmonary Resuscitation.  
Advisory: Basic First Aid.  
Hours: 27 hours LEC; 27 hours LAB  
This course provides the didactic material and related skills necessary to establish a foundation of medical care in the wilderness setting. Anatomy and physiology, care of traumatic injuries, patient assessment, environment injuries, medical emergencies, and common simple wilderness medical problems are included. Additionally, basic wilderness survival for the initial responder, and selecting and caring for wilderness medical equipment and supplies will be covered. This course emphasizes improvisation options, and long term care in field settings.

**PMED 161** Advanced Wilderness Medicine  2 Units  
Formerly: PMED 62  
Prerequisite: PMED 160 or EMT, or other health care provider such as nurse or doctor.  
Hours: 27 hours LEC; 27 hours LAB  
This course allows the student to gain an advanced level of medical care in the wilderness setting. Anatomy and physiology, improvisation airway control, principles of musculoskeletal care, integration of field, synthesis of wilderness medicine and urban care, and common simple wilderness medical problems are included. Additionally, basic wilderness survival for the wilderness responder, and selecting and caring for wilderness medical equipment and supplies will be covered. This course emphasizes improvisation options, and long term care in remote field settings.
**PMED 165  EMS Search and Technical Rescue  2 Units**  
Formerly: PMED 60  
Prerequisite: None  
Hours: 27 hours LEC; 27 hours LAB  
This course provides the student with a foundation in several technical rescue disciplines. Practical applications of water rescue, low angle and high angle rescue, and urban search and rescue are covered. Additionally, basic survival skills in rescue environments for the EMT/Paramedic, and selecting and caring for rescue equipment and supplies will be covered. This course emphasizes scenario-based learning in safely assessing, managing and pre-planning for the technical rescue environment.

**PMED 240  Pediatric Advanced Life Support-Recertification  .5 Units**  
Prerequisite: None  
Enrollment Limitation: Current American Heart Association Pediatric Advanced Life Support Provider Card or county approved equivalent certificate.  
Hours: 8 hours LEC; 3 hours LAB  
This course provides specific pediatric modules for health care professionals. It provides recertification according to the American Heart Association's Pediatric Advanced Life Support standards and guidelines. This course may be taken four times.

**PMED 242  Advanced Cardiac Life Support-Recertification  .5 Units**  
Prerequisite: None  
Enrollment Limitation: Current American Heart Association Advanced Cardiac Life Support Provider Card or county approved equivalent certificate.  
Hours: 8 hours LEC; 3 hours LAB  
This course provides education modules specific for adult cardiac emergencies for health care professionals. It provides recertification according to the American Heart Association's Advanced Cardiac Life Support standards and guidelines. This course may be taken four times.

**PMED 1000  Emergency Medical Technician - Basic: Recertification  1 Unit**  
Formerly: PMED 202  
Prerequisite: Current certification as an Emergency Medical Technician - Basic.  
Hours: 20 hours LEC; 4 hours LAB  
This course provides current Emergency Medical Technicians - Basic with continuing education modules to satisfy recertification requirements of local/state and National EMS organizations. EMS related topics include airway management, cardiopulmonary resuscitation, patient assessment, spinal management, medical/legal documentation, vital signs and extrication techniques. May be taken four times. Credit/No Credit only.