

**NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY
EMS 169 – PEDIATRIC ADVANCED LIFE SUPPORT (PALS) (1 CR.)**

Course Description

Prepares the student for certification as a pediatric advanced life support provider as defined by the American Heart Association. Covers primary assessment and emergency care of infants and children. Lecture 1 hour per week.

General Course Purpose

Prepares the student in current recommended pediatric advanced life support as defined by the American Heart Association.

Entry Level Competencies

Must hold current CPR certification. Healthcare student or practitioner.

Course Goals and Objectives

Goals

To be competent in the delivery of pediatric advanced life support.

Objectives

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

- A. define conditions which may put a child at risk for cardiopulmonary arrest
- B. define the parameters which indicate cardiovascular compromise in the infant or child
- C. describe strategies for preventing cardiopulmonary arrest in children
- D. demonstrate skill in establishing and maintaining an airway in children
- E. describe the effects of multi-trauma on the pediatric patient
- F. identify the sequence and priorities of neonatal and pediatric resuscitation
- G. demonstrate skill in establishing vascular access

Major Topics to be Included

- A. Emergency Medical Services for children
- B. Recognition of Respiratory Failure, Shock, and Preventing Cardiopulmonary Arrest
- C. Fluid therapy and Medications
- D. Newborn Resuscitation outside the Delivery Room
- E. Trauma
- F. Case studies in Respiratory Failure and Shock
- G. Cardiac Rhythm disturbances
- H. Post-arrest Stabilization and Transport
- I. Psychomotor Skills including Pediatric Life Support, Bag-Valve-Mask, Vascular Access, and Advanced Airway Management