

The *First Aid/CPR CPU* offers students intensive computer-based training and hands-on skill practice of basic first aid and CPR procedures. This unit prepares students to effectively deal with emergency scene management and render aid for a wide spectrum of injuries.

Students also cover infant, child, and adult CPR techniques. Training to treat cardiac emergencies using an automated external defibrillator (AED) is combined with the industry standard audio CPR coach to ensure students will be using the most current recommended procedures. The intensive computer-based training offers real-life scenarios of actual emergencies and allows students to test their response to an injury scene. The First Aid/CPR CPU is not intended as a CPR certification course.

Areas Covered

- ◆ Treatment procedures for:
 - Wound care
 - Sprains and fractures
 - Severe bleeding
 - Burns
 - Shock
 - Various cardiac conditions requiring CPR and/or treatment with an AED
- ◆ Legal, ethical, and emotional issues of being a rescuer and rendering aid
- ◆ Universal safety precautions including dealing with bloodborne pathogens and other risks
- ◆ Emergency scene management—primary and secondary casualty survey techniques to manage a victim's care until help arrives
- ◆ Skills and knowledge to aid students in various HOSA competitions



Career Pathway Unit Includes:

First Aid/CPR CD and Instructor's Overview Booklet, AED Trainer, Basic Buddy Mannequin Fast Pack, Cold Pack, CPR Prompt Rescue Aid, Skills Cart™, RESQR First Voice Software, First Aid/CPR Skill Sheets

First Aid/CPR Goals & Activities

- Explore various career opportunities in first aid.
- Apply the knowledge of terms used in first aid.
- Study the legal implications of giving first aid.
- Use safety principles when giving first aid.
- Perform steps of emergency scene management.
- Recognize the symptoms of shock, unconsciousness, and fainting.
- Outline the necessary steps to treat shock, unconsciousness, and fainting.
- Identify measures to prevent choking.
- Recognize and demonstrate treatment for choking.
- Demonstrate ongoing casualty care for a victim whose airway has been cleared.
- Identify dressings and bandages used in first aid procedures.
- Recognize severe external and internal bleeding and demonstrate appropriate first aid.
- Recognize amputation and demonstrate appropriate first aid.
- Apply basic knowledge of the respiratory system to recognize breathing emergencies.
- Demonstrate artificial respiration (AR) on adult, child, and infant casualties.
- Recognize and manage two complications that may occur when giving AR.
- Apply basic knowledge of the respiratory system to recognize breathing emergencies.
- Identify risk factors of cardiovascular disease.
- Identify and demonstrate first aid for cardiovascular emergencies.
- Recognize and demonstrate first aid for angina and cardiac arrest.
- Demonstrate one-person CPR on an adult victim.
- Recognize and provide first aid for stroke.
- Explain the relationship between sudden cardiac arrest and ventricular fibrillation.
- Describe the components of an automated external defibrillation program.
- Explain the role of CPR when delivering emergency care with an AED.
- Demonstrate preparation of the chest and proper electrode pad placement.
- List the four steps for operating an AED.
- Demonstrate the application/operation of the AED.
- Demonstrate assessing vital signs.
- Perform a head-to-toe examination.
- Apply principles of safety when moving a casualty.
- Move a casualty from a life-threatening situation.
- Recognize and demonstrate first aid for a variety of situations.
- Demonstrate techniques for controlling bleeding from the scalp and ear.
- Demonstrate first aid for chest injuries including penetration, flail, rib fracture, and blast.
- Take measures to prevent further contamination and infection of wounds.
- Control external bleeding from a wound with an embedded object.
- Control bleeding from nose, gums, tongue, and cheek.
- Recognize an abdominal wound.
- Provide first aid for an abdominal wound.
- Demonstrate first aid for foreign objects in the eye.
- Demonstrate first aid for wounds in and around the eye.
- Conduct research regarding recent developments in first aid/CPR.



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