

Firefighter/EMT Cadet Program

Program Description:

The Calvert County Firefighter/EMT cadet program exists through a partnership among Calvert County Public Schools (CCPS), Maryland Fire Rescue Institute(MFRI), Calvert County Department of Public Safety, and the Calvert County Fire/Rescue/EMS Departments. The program is taught at the Career and Technology Academy. This two year program includes Emergency Medical Technician (EMT), Firefighter I and Firefighter II as well as several other MFRI courses. Successful completion of Firefighter I is required to return for the second year of the Cadet program. This fun but challenging program has a mandatory orientation for all students and their parents prior to the first day of school that covers many program requirements such as uniforms, travel requirements, physical training, etc. It is expected that all students be active members of a Volunteer Fire Department or Rescue squad in Calvert County prior to the orientation.

This program has been developed with the intention to support and prepare students for entry into Fire, Rescue, or the Emergency Medical Services industries. Program completers earn up to 21 college equivalent credits and the skills and abilities required to successfully engage in a career in the Fire, Rescue, and EMS industry.

Firefighter/EMT Cadet Level 1

Level 1 Description:

During the first year as a cadet, students will pursue certification in Firefighter 1 and EMT. Methods of instruction include lecture, discussion and team-focused practical exercises.

Firefighter 1 Objective:

To provide students with the knowledge, skills and abilities to safely and effectively perform basic firefighting operations as part of a firefighting team.

Major topics of Fire 1:

Fire department organization
Communication
Incident command system
Ropes and knots
Fire behavior
Safety
Fire prevention
Personal protective equipment

Fire extinguishers
Respiratory protection
Ventilation
Hoselines
Forcible entry
Search and rescue procedures
Ladders
Sprinkler system

EMT Objective:

The objective of this class is to provide students with the knowledge, skills and abilities necessary to perform emergency medical care in a prehospital environment at the basic life support level.

Major topics of EMT:

Legal aspects of emergency care
Infection control
Patient assessment
Body systems
Oxygen adjuncts and delivery
CPR & AED
Bleeding control
Management of soft tissue injuries

Musculoskeletal injuries and management
Spinal immobilization
Pediatric and obstetric emergencies
Crisis intervention
Multiple casualty and triage management
Ambulance operations
EMS systems

Firefighter/EMT Cadet Level 2

Level 2 Description:

During the second year as a cadet, students will pursue certification in advanced firefighting classes such as Firefighter 2, Rescue Tech., Haz Mat Tech., Emergency Telecommunicator, and more. Methods of instruction include lecture, discussion and team-focused practical exercises.

Firefighter 2 Objective:

To provide the knowledge and skills needed to become a journeyman firefighter. Methods of instruction include lecture, discussion and team-focused practical exercises.

Major topics of Fire 2:

Incident command	Fixed fire protection system
Building construction	Fire prevention
Ventilation	Inspection preplanning
Water distribution	Ladders
Hose streams	Rescue procedures

Advanced Firefighting Objective:

To provide students with the knowledge, skills and abilities to respond to complex incidents and perform skills associated with those incidents.

Major topics of Advanced Firefighting:

Hazardous Materials Operations
Rescue Technician Site Operations
Rescue Technician Vehicle and Machinery Extrication
Aircraft Rescue and Firefighting
Emergency Telecommunications
Firefighter Survival and Rescue