

EMERGENCY & PROTECTIVE SERVICES

Instructor	Richard Macfarlane
E-mail	rmacfarlane@wactc.net
Phone	(724) 746-2890 Ext. 152
CIP Code	43.9999



COURSE OBJECTIVE

Students will obtain education and skills in the areas of firefighting, police work and emergency medical technician. Students also receive additional training for possible emergency & security measures with the gas and oil industry. Students who choose to complete the Emergency Medical Technician portion of the program will be subject to drug testing and background checks.

COURSE DESCRIPTION

This course provides three years of classroom and practical experience for entrance into the field of public safety via in-depth training to perform duties as a Police Officer, Firefighter, Emergency Medical Technician and other public safety-related careers. The application of Math, English, Communications, Science and Physics is demonstrated throughout the course. Students receive training in social and psychological skills, vehicle and equipment operations, the judicial system, pre-hospital emergency medical crew, fire prevention and control, hazardous materials and emergency management.

COURSE TOPICS

Basic Civil Rights | Basic Firefighting | Basic Life Support/EMT | Basic Patrol Duties | Corrections Court Room Procedures | CPR/AED | First Responder | Hazmat Awareness
National Incident Management System (NIMS) 100b, 700a | Security

REQUIRED SUPPLIES

Leather Work Boots (Black) | Leather Work Gloves | Name Tag | Shop Shirt (Navy Button-Down)
WACTC E&PS Patch | Watch with Second Hand | Workwear Pants (Navy)

TEXTBOOKS

AAOS Emergency: Care and Transportation of the Sick and Injured; 12th Edition; Jones and Bartlett; 2021
AAOS Emergency Medical Responder; 5th Edition; Jones and Bartlett; 2012
AHA BLS for Healthcare Providers 2020 Guidelines
AHA Heart Saver CPR/First Aid/AED 2020 Guidelines
International Fire Service Training Association Essentials of Fire Fighting, 7th Edition; 2018

COOPERATING COMPANIES

Burgettstown VFD
Canonsburg Ambulance–Allegheny Health Network
Canonsburg VFD
Chartiers Township Police Department–Houston, PA
Howell Rescue Equipment–Genesis Rescue Systems: Anthony Fleming, Representative
Life Flight, Canonsburg General Hospital
STAT MedEvac–Washington, PA
Washington City Bureau of Fire–Washington, PA
Washington County Firemen’s Association–Washington, PA

SPECIALIZED SHOP EQUIPMENT

Automatic External Defibrillator (AED) | EMT Tools, Equipment and Back Boards
Finger Printing Equipment | Fire Gear, Tools and Truck | Police Baton, Cuffs and Mock Guns

CLINICAL EXPERIENCE

Ambulance & Chair Service
Butler Ambulance
Canonsburg General Hospital/Canonsburg Ambulance–Canonsburg, PA
Cranberry Township EMS
Kirwan Heights Fire/EMS
Robinson EMS
Washington County Fireman’s Association Practice Grounds–Houston, PA

CERTIFICATIONS

American Heart Association: Bloodborne Pathogens
American Heart Association: BLS for Healthcare Providers
Emergency Management Institute: 100 Series; 200 Series; 700 Series; 800 Series
Pennsylvania Dept. of Health: BLS for Healthcare Providers; Emergency Medical Technician (EMT); First Responder
Pennsylvania State Fire Academy: Hazardous Materials First Responder Awareness; Recognition and Identification of Hazardous Materials
Personal Protection Consultants, Inc.: OCAT® Oleoresin Capsicum Aerosol Training (Pepper Spray); PATH (Practical and Tactical Handcuffing); PPBT (Personal Protection Baton Tactics)

ARTICULATION AGREEMENTS

Belmont College

POST-SECONDARY TRAINING OPTIONS

Belmont College–Firefighter/Paramedic
California University of Pennsylvania–Criminal Justice
Center for Emergency Medicine of Western Pennsylvania, Inc.
Community College of Allegheny County–Criminal Justice/Police Science
Edinboro University of Pennsylvania–Criminal Justice/Police Science
Pennsylvania College of Technology–Emergency Medical Technology
Westmoreland County Community College–Fire Science/Firefighting

POTENTIAL CAREERS

Airport Fire Fighter | Communications Personnel | Corrections Officer | Emergency Medical Technician
Fire Alarm Maintenance | Fire and Arson Investigator | Fire Police Personnel | Fire Protection Engineer
Firefighter | First Responder | Hazmat Technician | Nursing | Paramedic | Police Officer | Security Officer
Special Rescue Technician

EMERGENCY AND PROTECTIVE SERVICES SKILLS

Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate and not interrupting at inappropriate times.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Writing — Communicating effectively in writing as appropriate for the needs of the audience.

Speaking — Talking to others to convey information effectively.

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Negotiation — Bringing others together and trying to reconcile differences.

Persuasion — Persuading others to change their minds or behavior.

Active Learning — Understanding the implications of new information for both current and future problem-solving and decision-making.

Coordination — Adjusting actions in relation to others' actions.

Equipment Selection — Determining the kind of tools and equipment needed to do a job.

Equipment Maintenance — Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.

Service Orientation — Actively looking for ways to help people.

Instructing — Teaching others how to do something.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

WAGES AND EMPLOYMENT TRENDS FOR PROTECTIVE SERVICES PERSONNEL

EMT/PARAMEDIC

Median Wages (2020)	\$17.62 Hourly, \$36,650 Annually
Number of Jobs (2019)	265,200 Employees
Job Outlook (2019-2029)	6% (Faster Than Average)
Employment Change (2019-2029)	17,000
Top Employers as of 2019	Health Care and Social Assistance, Government

FIREFIGHTER

Median Wages (2020)	\$25.24 Hourly, \$52,500 Annually
Number of Jobs (2019)	335,500 Employees
Job Outlook (2019-2029)	6% (Faster Than Average)
Employment Change (2019-2029)	20,300
Top Employers as of 2019	Government

POLICE OFFICER

Median Wages (2020)	\$32.35 Hourly, \$67,290 Annually
Number of Jobs (2019)	813,500 Employees
Job Outlook (2019-2029)	5% (Faster Than Average)
Employment Change (2019-2029)	40,600
Top Employers as of 2019	Government

Source: *Occupational Outlook Handbook*

WESTERN AREA CAREER & TECHNOLOGY CENTER
EMERGENCY & PROTECTIVE SERVICES
2021-2022 Shop Requirements

Shop Uniform/Accessories

- Button-Down Shirt, Navy (Use Enclosed Order Form)
- Leather Work Boots, Black
- Leather Work Gloves
- Name Tag
- WACTC E&PS Patch (See *NOTE* Below)
- Watch with Second Hand
- Workwear Pants, Navy

APPROXIMATE COST: \$200

Hats are not permitted in the shop. Order uniform button-down shirts by mailing the enclosed order form to TNT Manufacturing or by ordering online at companycasuals.com/WACTC. All uniform orders are delivered to Western Area and will be distributed to students after the start of the school year. *NOTE:* At least one uniform shirt must have an E&PS patch sewn on the left sleeve for field trips and guest speaker presentations. Patches will be available for \$5 from the EPS instructor the first two weeks of class.

Students that choose to complete the Emergency Medical Technician portion of the program will be subject to drug testing and background checks.

Uniform pants may be purchased at any discount chain or department store. Workwear brands such as Dickies, Dockers and Carhartt are suggested. Lost or broken safety glasses may be replaced throughout the school year in the Main Office. Cost is approximately \$3.

Lockers are provided for students to change out of street clothes into their uniform. Locks must be purchased from WACTC; cost is approximately \$6.

Clinical activities/learning situations may require that any body piercings be removed and any tattoos covered. *No tongue piercings!* Students may be required to wear professional clothing for vocational student organization conferences, competitions and meetings.

All criteria is subject to change.