

FIREFIGHTER 1 & 2 CERTIFICATE

Program code: F12C-CC

Location: Gateway

Program Description

This Certificate was developed in collaboration with local fire agencies to provide career pathways that meet the needs of emergency response and fire service in an outside of New Haven County. This program offers high quality, diverse learning and training opportunities to prepare students for the industry. Fire Department applicants who have post-secondary firefighting education have a clear advantage over other candidates. This technical certificate program will help graduates secure employment in the firefighter and emergency responder profession.

CT State CC students are prepared as first responders in a fire, traffic accident or medical emergency. Training includes CPAT (Candidate Physical Ability Test), FFI (Firefighter I), FFII (Firefighter II), and EMT, (Emergency Medical Technician), as most fire departments require prospective candidates to have certification as an EMT (Emergency Medical Technician). This program is designed to incorporate the orientation to fire service with the necessary theory and hands-on applications needed to become a certified Fire Fighter. This program qualifies students to take the state certification exam with the Bureau of Fire Standards and Training (which includes both written and practical skills) to become a Certified Fire Fighter in the State of Connecticut. An association or volunteer status is needed to have full certification. Continued population growth will increase the number of emergency calls requiring firefighter responses. Many situations that firefighters respond to are medical-rather than fire-emergencies, and the aging population will lead to an increased demand for emergency responders.

Learning Outcomes

Upon successful completion of all program requirements, graduates will:

1. Understand the essentials of firefighting including fire department operations, firefighting equipment and safety, chemistry of fire, techniques of firefighting, and utilization of equipment in fire suppression.
2. Understand the Candidate Physical Ability test (CPAT) used in the selection of firefighters in participating fire agencies throughout the State of Connecticut.
3. Demonstrate the physical ability to perform job tasks related to firefighting.
4. Prepare for the national certifying exam for EMT and the State Practical Examination for EMT.
5. Explain fire department safety standards and principles of fire science.
6. Prepare for civil service exams given to prospective firefighters.
7. Understand fire apparatus and pumps, fire streams, fire service pressure calculations, and fixed fire extinguishing systems such as sprinkler and standpipe operations.

There are prerequisites, medical, PPE (Personal Protective Equipment), and physical requirements required for program enrollment, as well as mandatory attendance at an information session. Students must either test above MAT* 085 and ENG* 066, or complete these courses with

a "C" or better prior to entering the program. Due to practical training, some courses in this program take place at the New Haven Regional Fire Academy. Students are required to wear a uniform in all classes and have structural firefighting Personal Protective Equipment (required PPE gear is Turnout and SCBA). Each student must rent or own the required PPE gear.

Certificate Requirements

Code	Title	Credits
Required Courses		
EMT 1000	Emergency Medical Technician	6
FTAD 1000	Fitness and Health for Firefighters	3
FTAD 1001	Fundamentals of Firefighting I	9
FTAD 1101	Fundamentals of Firefighting II	3
FTAD 1002	Civil Service Test Preparation	1
FTAD 1010	Fire Ground Hydraulics	3
Total Credits		25