

# Fire Service Technology & Fire Service Certificate (FST & FSTC)

## Fire Service Technology (FST)

The Fire Service Technology program at Cincinnati State prepares students for entry-level jobs in fire service as a firefighter/emergency medical technician (EMT).

This program meets National Fire Protection Association standards and objectives for Firefighter 1 and Firefighter 2, using a combination of classroom education and hands-on training. Performance testing builds student confidence and enables mastery of the skills that are critical to good performance on the fireground and during emergency medical services incidents.

Graduates of the program earn an Associate of Applied Science degree. For hands-on fire training class eligibility, students must:

- Successfully perform and complete the Fire Cadet Fitness Evaluation.
- Complete the State Application for Admission to a Fire Training Course. This application screens for age, criminal convictions, and substance abuse that may disqualify students from state certification. Documentation must be provided on questionable cases.
- Have the Physical Exam Form (for firefighters) completed by a qualified physician.
- Obtain a current CPR card for healthcare providers.
- Complete Emergency Medical Technician Basic Training.
- Present copies of previous certifications held pertaining to firefighting and emergency medical services.

Graduates who complete an optional set of additional classes may continue their education with seamless transition to the University of Cincinnati to earn a bachelor's degree.

The Fire Service Technology program is accredited by The Ohio Department of Public Safety, Department of Emergency Medical Services, P.O. Box 182073, 1970 West Broad Street, Columbus, OH 43218-2073. Phone (614) 466-9447.

## Fire Service Certificate (FSTC)

The Fire Service Certificate program provides specific education, training, and skills needed to obtain employment at a fire department. The Emergency Medical Technician course and the Firefighter 1 and Firefighter 2 courses that are part of the certificate prepare students for the State of Ohio's Certification exams.

Successful completion of the state exams is required before certification cards are issued by the State of Ohio.

The Fire Service certificate program offers a fast track to employment. All credits earned while completing this certificate also can be applied to the Fire Service Technology associate's degree.

For more information, please contact the Health and Public Safety Division at (513) 569-1670.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati-state.edu/academics/admission>)

## Fire Service Technology (FST)

**Program Prerequisite:** AFM 092 Introductory Algebra or appropriate placement test score.

| Semester 1               |   | Lec | Lab | Credits |
|--------------------------|---|-----|-----|---------|
| ENG 101                  | English Composition 1 ( G )   | 3   | 0   | 3       |
| FST 120                  | Fire Behavior and Combustion ( T )                                  | 2   | 0   | 2       |
| FST 123                  | Principles of Emergency Services ( T )                              | 3   | 0   | 3       |
| MAT 115                  | Pre-Statistics  | 2   | 2   | 3       |
| FYE 1XX                  | First Year Experience Elective ( B )                                | 1   | 0   | 1       |
| Semester 2               |   |     |     |         |
| ENG 102                  | English Composition 2: Contemporary Issues ( G )                    | 3   | 0   | 3       |
| FST 105                  | Firefighter Physical Preparedness ( B )                             | 1   | 2   | 2       |
| FST 131                  | Firefighter Professional 1 ( T )                                    | 4   | 6   | 6       |
| XXX XXX                  | Social Sciences Elective ( G )                                      | 3   | 0   | 3       |
| Semester 3               |   |     |     |         |
| COMM 110                 | Public Speaking ( G )   | 3   | 0   | 3       |
| FST 129                  | Fire Prevention   | 3   | 0   | 3       |
| FST 132                  | Firefighter Professional 2 ( T )                                    | 3   | 6   | 5       |
| XXX XXX                  | Arts/ Humanities Elective ( G )                                     | 3   | 0   | 3       |
| Semester 4               |   |     |     |         |
| EMS 110                  | Emergency Medical Technician Theory and Practice ( T )              | 5   | 4   | 7       |
| FST 126                  | Fire Protection Systems   | 2   | 0   | 2       |
| FST 294                  | Internship 1: Fire Service Technology                               | 1   | 40  | 2       |
| Semester 5               |   |     |     |         |
| FST 223                  | Principles of Fire and Emergency Services Safety and Survival ( T ) | 2   | 0   | 2       |
| FST 226                  | Building Construction for Fire Protection ( T )                     | 3   | 0   | 3       |
| FST 228                  | Legal Aspects of the Emergency Services                             | 3   | 0   | 3       |
| Technical Elective ( T ) |   | 3   | 0   | 3       |
| Total Credits:           |   | 53  | 60  | 62      |

## Electives

### First Year Experience Elective

|         |                              |   |
|---------|------------------------------|---|
| FYE 100 | College Survival Skills      | 1 |
| FYE 105 | College Success Strategies   | 2 |
| FYE 110 | Community College Experience | 3 |

### Social Sciences Elective

|         |                            |   |
|---------|----------------------------|---|
| PSY 110 | Introduction to Psychology | 3 |
| SOC 105 | Introduction to Sociology  | 3 |

### Arts/Humanities Elective

|          |                           |   |
|----------|---------------------------|---|
| CULT 105 | Issues in Human Diversity | 3 |
| PHI 110  | Ethics                    | 3 |

### Technical Elective

|         |   |   |
|---------|---|---|
| EMS 120 | Paramedic Anatomy and Physiology            | 3 |
| PST 100 | Introduction to Emergency Management        | 3 |
| PST 110 | Introduction to Homeland Security           | 3 |
| PST 140 | Public Safety Telecommunicator              | 3 |
| THZ 105 | OSHA 40-Hour HAZMAT (HAZWOPER) Workshop (T) | 3 |

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

## Fire Service Certificate (FSTC)

**Program Prerequisites:** **AFM 092 Introductory Algebra** (minimum grade C) or appropriate placement test score.

| Semester 1             |  | Lec | Lab | Credits |
|------------------------|--|-----|-----|---------|
| FST 105                | Firefighter Physical Preparedness ( T)           | 1   | 2   | 2       |
| FST 120                | Fire Behavior and Combustion ( T)                | 2   | 0   | 2       |
| FST 123                | Principles of Emergency Services ( T)            | 3   | 0   | 3       |
| FST 131                | Firefighter Professional 1 ( T)                  | 4   | 6   | 6       |
| Semester 2             |  |     |     |         |
| FST 129                | Fire Prevention ( T)                             | 3   | 0   | 3       |
| FST 132                | Firefighter Professional 2 ( T)                  | 3   | 6   | 5       |
| EMS 110                | Emergency Medical Technician Theory and Practice | 5   | 4   | 7       |
| Technical Elective (T) |  | 2   | 0   | 2       |
| Total Credits:         |  | 23  | 18  | 30      |

## Electives

### Technical Elective

|                              |                                  |    |
|------------------------------|----------------------------------|----|
| Select one of the following: |                                  | 10 |
| EMS 120                      | Paramedic Anatomy and Physiology | 3  |
| FST 126                      | Fire Protection Systems          | 2  |

|         |   |   |
|---------|---|---|
| FST 223 | Principles of Fire and Emergency Services Safety and Survival | 2 |
| FST 226 | Building Construction for Fire Protection                     | 3 |
| FST 228 | Legal Aspects of the Emergency Services                       | 3 |
| PST 100 | Introduction to Emergency Management                          | 3 |
| PST 110 | Introduction to Homeland Security                             | 3 |
| PST 140 | Public Safety Telecommunicator                                | 3 |
| THZ 105 | OSHA 40-Hour HAZMAT (HAZWOPER) Workshop                       | 3 |

## Faculty

### Program Chair/Advisor

Professor William Mehbod, BS EMT-P  
william.mehbod@cincinnatiastate.edu