

Fire Science Technology

Program **68000**
CIP 430201

Fire Code Enforcement – Certificate of Proficiency

This certificate prepares students for a career in fire code enforcement.

Successful completion of coursework meets requirements for state certification as a Fire Inspector and Official as required in the New Jersey Uniform Fire Code, and provides students with professional training in preparation for licensure examinations for Fire Protection Inspector as required in the New Jersey Uniform Construction Code.

In addition to preparing students for possible careers in code enforcement, the program provides professional development for inspectors already employed in this area.

Curriculum

| Code | Course (lecture/lab hours) | Credits |
|---------|--|---------|
| ENG 101 | English Composition I (3/0) | 3 |
| FIR 101 | Introduction to Fire Science (3/0) | 3 |
| FIR 104 | Building Construction (3/0) | 3 |
| FIR 107 | Fire Prevention and Code Enforcement I (4/2) | 5 |
| FIR 202 | Water Supply for Fire Protection (3/0) | 3 |
| FIR 203 | Fire Protection Systems (3/0) | 3 |
| <hr/> | | |
| FIR 206 | Fire Investigation (3/0) | 3 |
| FIR 209 | Fire Prevention and Code Enforcement II (3/3) | 3 |
| — | Approved General Education elective ¹ | 3 |
| — | Approved technical electives ² | 6 |
| | | 35 |

¹ Select from IST 101, POL 102, ENG 112.

² To meet this requirement, six credits will be awarded for Fire Protection Inspector ICS certification and three credits will be awarded for Fire Protection Inspector HHS certification. Students who do not possess one or both of these certifications may meet the requirement by completing the necessary number of credits from the following courses: BUS 118, 240, CIS 112, and IST 101.

Fire Science Technology

Program **68010**
CIP 430201

Fire Officer/Administrator – Certificate of Proficiency

This certificate is designed for those who seek advancement in either the career or volunteer fire service, as well as for professional development of those who have already attained supervisory status in the field.

Successful graduates of the program will be able to:

- apply proper procedures for storage, handling, transportation, and fire control involving hazardous materials;
- develop plans which make effective use of personnel and equipment at emergency incidents;
- apply and discuss water supply management for fire protection systems and fire scene use;
- describe the factors necessary for efficient and effective management and supervision within a fire department;
- apply and describe the principles of an effective occupational safety and health program in a fire service setting.

Admission to the program requires a high school diploma or its equivalent.

Curriculum

| Code | Course (lecture/lab hours) | Credits |
|---------|---|---------|
| ENG 101 | English Composition I (3/0) | 3 |
| FIR 101 | Introduction to Fire Science (3/0) | 3 |
| FIR 201 | Hazardous Materials I (3/0) | 3 |
| FIR 202 | Water Supply for Fire Protection (3/0) | 3 |
| FIR 204 | Fire Fighting Tactics (3/0) | 3 |
| — | Approved General Education elective ¹ | 3 |
| <hr/> | | |
| ENG 112 | English Composition II with Speech (3/0) | 3 |
| FIR 205 | Fire Department Organization and Administration (3/0) | 3 |
| FIR 208 | Fire Department Occupational Health and Safety (3/0) | 3 |
| FIR — | Fire Science elective ² | 3 |
| — | Approved business electives ³ | 6 |
| | | 36 |

¹ Select from POL 102, PSY 101, SOC 101, 209.

² Select from FIR 205, 206, 208, 209, 211.

³ Select from IST 101, CIS 112, BUS 118 or 240.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or www.mccc.edu/programs_certificate

609.586.4800

