www.hutchcc.edu/request-info

# Fire Science

**Degree Pathway**

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 49 credit hours. Consult with an advisor for more information.

( ) are Systemwide Transfer Courses

( ★ ) are recommended for this degree pathway.

| Required Courses | | | |
|---|---|---|---|
| **Course ID** | **Course Title** | **Credit Hours** | **Notes** |
| EM110 | Emergency Medical Technician | 10.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS102 | Construction Methods and Materials | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS103 | Introduction to Professional Firefighting | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS110 | Firefighter I | 5.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS113 | Firefighter II | 4.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS120 | Wildland Firefighter Type II | 3.00 | Fall 2026, Spring 2027 |
| FS126 | Portable Pumps and Water Use | 1.00 | Fall 2026, Spring 2027 |
| FS127 | Wildland Fire Powersaw Operations | 2.00 | Fall 2026, Spring 2027 |
| FS128 | Wildland Firefighter Firing Operations | 1.00 | Fall 2026, Spring 2027 |
| FS130 | Introduction to Fire Ground Strategy and Tactics | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS141 | Fire Dynamics | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS150 | Hazardous Materials Operations for First Responder | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS175 | Intro. to Fire & Emergency Services Administration | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS203 | Fire Hydraulics | 3.00 | Fall 2026, Spring 2027, Summer 2027 |

| Electives | | | |
|---|---|---|---|
| **Course ID** | **Course Title** | **Credit Hours** | **Notes** |
| **Fire Science Electives** | | **2.00** | |
| EM131 | Cardiac Care (CPR) | 0.50 | Fall 2026, Spring 2027 |
| FS105 | Fire Attack | 1.00 | |
| FS107 | Basic Confined Space Rescue I | 1.50 | Prereq: FS108 Rope Rescue I. |
| FS108 | Rope Rescue I | 1.50 | Fall 2026, Spring 2027 |
| FS109 | Rope Rescue II | 1.50 | Prereq: FS108 Rope Rescue I. |
| FS122 | Incident Command System | 1.00 | Fall 2026, Spring 2027 |
| FS124 | Wildland Firefighter Internship I | 2.00 | |
| FS125 | Fire Service Internship I | 1.00 | |
| FS141 | Fire Dynamics | 3.00 | Fall 2026, Spring 2027, Summer 2027 |
| FS145 | Firefighter Fitness and Conditioning I | 1.00 | Fall 2026 |
| FS146 | Firefighter Fitness and Conditioning II | 1.00 | Spring 2027 |

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|---|---|---|---|
| FS153 | Engine Company Operations | 1.00 | Spring 2027 |
| FS155 | Ice Rescue Operations | 1.50 | Spring 2027 |
| FS156 | Ice Rescue Technician | 1.00 | Spring 2027 |
| FS160 | Rapid Intervention Team | 1.00 | Fall 2026 |
| FS161 | Fire Rescue Special Operations | 1.00 | Fall 2026 |
| FS205 | Arson Investigation | 5.00 | |
| FS206 | Fire Apparatus Driver/Operator | 4.00 | Spring 2027 |
| FS209 | Fire Instructor I | 3.00 | Fall 2026, Spring 2027 |
| FS210 | Fire Safety Officer | 3.00 | Fall 2026, Spring 2027 |

## **Total Credits**: **49.00**

**Program Notes**:

A grade of "C" or better is required for all degree-specific courses.