

**Fire Science
Associate in Applied Science
Four Semester Pathway Academic Year 2021-2022**

| Semester 1 | Requirement | Recommended | Prerequisites | Corequisites | Credits | My Plan |
|---|---|--|--|---|------------------|---------|
| FIRE 105 | Fire Studies and Stayin' Alive FIG | | | | 4 | |
| MATH 130 OR MATH 140 | Technical Mathematics College Algebra | | MATH 030 MATH 050 | | 3 | |
| *FIRE 106 OR FIRE 110 & FIRE 115 | Firefighter I & II Fire Protection Systems Fire Service Building Construction | Offered Fall semester only | **See Below | FIRE 105 | 6 | |
| Semester 2 | | | | | | |
| ENGL 100 | English Composition | | ENGL 090, ENGL 095 | | 3 | |
| *EMST 125 OR ***CHEM 103 OR | Emergency Medical Technician Chemistry for Emergency Responders with Lab | | | ENGL 100 or ENGL 101, MATH 130 or MATH 140 | 6 OR 4 | |
| BIOL 132 | Anatomy & Physiology I with Lab | | MATH 030 | ENGL 100 or ENGL 101 | | |
| FIRE 150 | Fire Inspector | Offered Spring semester only | | | 3 | |
| FIRE 155 | Fire Service Hydraulics | Offered Spring and Summer semesters only | | MATH 130 or MATH 140 | 3 | |
| ***CHEM 102 OR FIRE 120 | Chemistry for Emergency Responders Fire Behavior and Combustion | | MATH 130 or MATH 140 | ENGL 100 or ENGL 101, MATH 130 or MATH 140 | 3 | |
| Semester 3 | | | | | | |
| ENGL 115 | Introduction to Literature | | ENGL 100 or ENGL 101 | | 3 | |
| FIRE 200 | Hazardous Materials | Offered Fall semester only | 30 credits toward major | | 3 | |
| FIRE 215 | Fire Service Leadership | Offered Fall semester only | ENGL 100 or ENGL 101 | | 3 | |
| PSYC 100 | Introduction to Psychology | | | ENGL 090, ENGL 095 | 3 | |
| IF NOT COMPLETED FIRE 110 & FIRE 115 | Fire Protection Systems Fire Service Building Construction | Offered Fall semester only | | FIRE 105 | 6 | |
| Semester 4 | | | | | | |
| FIRE 250 | Fire Ground Operations | Offered Spring semester only | 30 credits toward major | | 3 | |
| FIRE 260 | Fire Administration | Offered Spring semester only | ENGL 100 or ENGL 101, 30 credits toward major | | 3 | |
| IF NOT COMPLETED ***CHEM 103 OR | Chemistry for Emergency Responders with Lab | | | ENGL 100 or ENGL 101, MATH 130 or MATH 140 | 4 | |
| BIOL 132 | Anatomy & Physiology I with Lab | | MATH 030 | ENGL 100 or ENGL 101 | | |
| | Social Science Elective | SOCI 100 Introduction to Sociology | See course prerequisites | See course corequisites | 3 | |
| | Fine Arts or Humanities Elective | ARTS 150 Metal Arts, ARTS 170 Photography, or PHIL 155 Philosophy in Action | See course prerequisites | See course corequisites | 3 | |

*All graduates must complete a 6 credit Career Fundamental, either FIRE 106 or EMST 125

**FIRE 106 Prerequisite: NFPA 1582-compliant medical evaluation and Maine Bureau of Labor Standards respiratory protection requirements. Non-Fire Department affiliated students must arrange for compliant personal protective equipment (PPE) and self-contained breathing apparatus (SCBA) to use throughout the course.

***Students can not take both CHEM 102 and CHEM 103. Students completing CHEM 103 for their lab science should register for FIRE 120

Fire Science Technology

| General Elective Requirements | | | | | |
|--------------------------------------|--|----------------------|---|----------------|------------|
| COURSE CODE | COURSE TITLE | PREREQUISITES | COREQUISITES | CREDITS | MET |
| ENGL 100 | English Composition | ENGL 090, ENGL 095 | | 3 | |
| ENGL 115 | Introduction to Literature | ENGL 100 or ENGL 101 | | 3 | |
| MATH 130 OR MATH 140 | Technical Mathematics OR College Algebra | MATH 030 MATH 050 | | 3 | |
| *CHEM 103 OR BIOL 132 | Chemistry for Emergency Responders with Lab Anatomy & Physiology I with Lab | MATH 030 | ENGL 100 or ENGL 101, MATH 130 or MATH 140 ENGL 100 or ENGL 101 | 4 | |
| PSYC 100 | Introduction to Psychology | | ENGL 090, ENGL 095 | 3 | |
| | Fine Arts or Humanities Elective | | | 3 | |
| | Social Science Elective | | | 3 | |

| Major Required Courses | | | | | |
|-------------------------------|--|--|---|----------------|------------|
| COURSE CODE | COURSE TITLE | PREREQUISITES | COREQUISITES | CREDITS | MET |
| *CHEM 102 OR FIRE 120 | Chemistry for Emergency Responders Fire Behavior and Combustion | MATH 130 or MATH 140 | ENGL 100 or ENGL 101, MATH 130 or MATH 140 | 3 | |
| FIRE 105 | Fire Studies & Stayin' Alive FIG | | | 4 | |
| FIRE 110 | Fire Protection Systems | | FIRE 105 | 3 | |
| FIRE 115 | Fire Service Building Construction | | FIRE 105 | 3 | |
| FIRE 150 | Fire Inspector | | | 3 | |
| FIRE 155 | Fire Service Hydraulics | | MATH 130 or MATH 140 | 3 | |
| FIRE 200 | Hazardous Materials | 30 credits toward major | | 3 | |
| FIRE 215 | Fire Service Leadership | ENGL 100 or ENGL 101 | | 3 | |
| FIRE 250 | Fire Ground Operations | 30 credits toward major | | 3 | |
| FIRE 260 | Fire Administration | ENGL 100 or ENGL 101, 30 credits toward major | | 3 | |
| FIRE 106 OR EMST 125 | Firefighter I & II Emergency Medical Technician | **See Below | FIRE 105 | 6 | |
| | Fire Science Technology Electives | | | 3 | |

*Students can not take both CHEM 102 and CHEM 103. Students completing CHEM 103 for their lab science should register for FIRE 120

**FIRE 106 Prerequisite: NFPA 1582-compliant medical evaluation and Maine Bureau of Labor Standards respiratory protection requirements. Non-Fire Department affiliated students must arrange for compliant personal protective equipment (PPE) and self-contained breathing apparatus (SCBA) to use throughout the course.