

# FIRE SCIENCE - ASSOCIATE IN APPLIED SCIENCE



## FIRE

The Fire Science program is for individuals who are interested in or currently serving in the fire service or related fields. Graduates work for municipal fire departments or obtain positions in the fields of industrial fire safety and security, fire protection engineering technology, fire insurance inspection, investigation underwriting and ambulance services.

A balanced combination of professional and general education courses equips students with the knowledge and skills needed in this increasingly technological field. Fire protection systems and codes, tactics and strategies, hydraulics and equipment, officership and administration, and hazardous materials are studied.

**Note:** Not all courses are offered every semester. See department chair or semester schedule of courses. Principles of Fire and Emergency Services Safety & Survival (FIRE 1010) and Fire Behavior and Combustion (FIRE 1060) are delivered to meet FESHE standards. However, these courses are not required as part of the degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details (<https://catalog.ccri.edu/course-descriptions/>).

## General Policies

See important general policies (<https://catalog.ccri.edu/programs-study/health-sciences/>) on the performance-based Health Sciences application process, academic progress, advanced standing, background check, CPR certification, health insurance, health records, reinstatement, transportation, and uniforms and equipment.

## Requirements for Acceptance into the Fire Science Program

1. Complete and submit a CCRI Application for Enrollment to General Studies.
2. Submit an official copy of high school or GED® transcript including the graduation date. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Provide proof of completed Tdap vaccine and titers.

## Requirements

Code	Title	Hours
<b>General Education Requirements</b>		
ENGL 1010	Composition I <sup>1</sup>	3
ENGL 2100	Technical Writing <sup>1</sup>	3
COMM 1010	Communication Fundamentals	3
CHEM 1000	Chemistry of Our Environment	4
Social Science Electives ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> )		6
SOCS 1010	General Sociology	3
<b>Major Education Requirements</b>		
CHEM 1060	Chemistry of Hazardous Materials	3

MATH 1025	Introduction to College Mathematics	3
COMI Elective	Computer Elective	3
<i>(<a href="https://catalog.ccri.edu/course-descriptions/comi/">https://catalog.ccri.edu/course-descriptions/comi/</a>)</i>		
FIRE 1020	Fundamentals of Fire Prevention (FESHE course)	3
FIRE 1030	Introduction to Fire Science and Officership (FESHE course)	3
FIRE 1040	Fire Fighting Tactics and Strategy	3
FIRE 1050	Building Construction and Fire Codes (FESHE course)	3
FIRE 1070	Fire Protection Systems and Equipment (FESHE course)	3
FIRE 1090	Fire Hydraulics and Equipment	3
FIRE 1100	Municipal Fire Administration	3
FIRE 1120	Investigations, Fire and Explosions	3
FIRE 1130	Emergency Medical Technician Basic <sup>2</sup>	8
Subtotal		63
Total Hours		63

<sup>1</sup> Placement test required. Students must achieve a score of 75 or above. This test is permitted one time only.

<sup>2</sup> Must complete health requirements for clinical experience.

## Recommended Course Sequence

Course	Title	Hours
<b>Year 1</b>		
<b>Semester 1</b>		
FIRE 1030	Introduction to Fire Science and Officership	3
ENGL 1010	Composition I	3
PSYC 2010	General Psychology	4
MATH 1025	Introduction to College Mathematics	3
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> )		3
Hours		16
<b>Semester 2</b>		
FIRE 1020	Fundamentals of Fire Prevention	3
FIRE 1040	Fire Fighting Tactics and Strategy	3
FIRE 1130	Emergency Medical Technician Basic	8
ENGL 2100	Technical Writing	3
Hours		17
<b>Year 2</b>		
<b>Semester 1</b>		
FIRE 1050	Building Construction and Fire Codes	3
FIRE 1090	Fire Hydraulics and Equipment	3
CHEM 1000	Chemistry of Our Environment	4
COMM 1010	Communication Fundamentals	3
COMI Elective ( <a href="https://catalog.ccri.edu/course-descriptions/comi/">https://catalog.ccri.edu/course-descriptions/comi/</a> )		3
Hours		16
<b>Semester 2</b>		
FIRE 1070	Fire Protection Systems and Equipment	3

FIRE 1100	Municipal Fire Administration	3
FIRE 1120	Investigations, Fire and Explosions	3
CHEM 1060	Chemistry of Hazardous Materials	3
SOCS 1010	General Sociology	3
	Hours	15
	Total Hours	64

## Transfer

If you are interested in earning a bachelor's degree, please meet with an Academic Advisor ([https://www.ccri.edu/advising/transfer\\_information/](https://www.ccri.edu/advising/transfer_information/)) who can help you select the courses that best prepare you for transfer to a four-year college or university. For more information, you can also visit [ritransfers.org](http://www.ritransfers.org/) (<http://www.ritransfers.org/>) with resources on course and program transfer to Rhode Island College and the University of Rhode Island, or visit CCRl's Transfer Articulation (<https://www.ccri.edu/oes/records/transfers/traagree.html>) page for information on articulation agreements with colleges and universities throughout New England.