

Fire Science: Firefighter

Holland code family: Doers

About the Program

The fire service is a highly dynamic profession that offers a variety of daily challenges to the professionals who work within it. The primary mission of the RCC Fire Science program is to prepare students for careers as firefighters. Students who complete this three-term program will have met the requirements set by regional fire departments in Southern Oregon for the entry-level position of firefighter. The program delivers the highest education available by following standards set by the National Fire Protection Association (NFPA) and the Fire Emergency Services Higher Education (FESHE) program. Fire Science program coursework is accredited by the Oregon Department of Public Safety Standards and Training.

Program Learning Outcomes

The curriculum in RCC courses is derived from a set of identified learning outcomes that are relevant to the discipline. Program learning outcomes for fire science programs are:

Perform safe and effective fire suppression techniques and hazard mitigation utilizing tools and appliances under high levels of stress.

Perform an adequate patient assessment and formulate and implement a treatment plan for patients with a variety of medical and traumatic emergencies.

Implement self-care strategies and techniques to address the impact of stress and emotional trauma on emergency providers.

Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

Understand and follow workplace expectations regarding attendance, safety, conduct, and professionalism.

Describe and use defensive and safe driving techniques and the operation of emergency vehicles and fire pumps.

Demonstrate safe work practices in a variety of specific rescue situations including rope, water, wilderness, and confined space rescue.

Demonstrate the ability to conduct fire and life safety inspections and have an understanding of fire prevention principles.

Entry Requirements

Students are required to complete the Placement Process to determine skill level and readiness in math, reading, and writing. As part of their training program, students must begin with the courses within their skill level as determined through the Placement Process. In addition, students may also be required to enroll in classes that would increase their employability and success.

The Fire Science program advisor will work with each student to design an individualized sequence of instruction.

Students must be at least 17 years old to apply to the EMT course. Students must be a high school graduate or have a GED or equivalent for certification. In addition, students must meet the qualifications outlined by the Oregon Health Authority – EMS. Students are required to submit verification of certain immunizations and medical tests. Students will also be required to pass a drug screen and a criminal background investigation prior to their mandatory clinical time.

Advanced Standing

Coursework from accredited colleges and universities will be accepted in accordance with college registration policies and the Fire Science program coordinator's approval. In order to ensure that coursework is current, program courses over 10 years old must be reviewed and approved by the appropriate department chair before being accepted toward core requirements.

Fire Science: Firefighter: Career Pathways Certificate (36 credits)

- Entry-level structural firefighter ¹
- Entry-level wildland (forest) firefighter ¹

Fire Science: Associate of Applied Science (AAS) degree (93-99 credits)

- Structural firefighter ¹

Fire Officer: Certificate of Completion (51 credits)

- Advanced-level structural firefighter officer ¹
- Advanced-level wildland (forest) firefighter officer ¹



Fire and Life Safety: Certificate of Completion (46 credits)

- Fire inspectors and investigators ¹

Dual Fire/ Paramedic: Associate of Applied Science (AAS) degree (150 credits in three years)

- Firefighter/paramedic ¹

¹ For current wage and gainful employment data, see the Jobs & Wages box within the specific program road-map at www.roguecc.edu/CareerPathways/

Graduation Requirements

Students must complete all courses in this program with a grade of “C” or better to receive their certificate. Certain required courses are graded on a pass/no pass basis only. A grade of “P” for these courses indicates a student earned the equivalent of a “C” or better grade.

Prerequisites

Course No.	Course Title	Credits
MMTH20	Pre-algebra or designated placement test score	0-4
WR115	Introduction to Expository Writing or designated placement test score	0-3

Total Prerequisite Credits **0-7**

Required Courses

Course No.	Course Title	Credits
First Term		
FRP251	Firefighter Level I 1	3
FRP251L	Firefighter Level I Lab 1	5
FRP256	Fire Behavior and Combustion	3
FRP261	Hazardous Materials First Responder Operations	1
		12
Second Term		
ES131	EMT Part I	4
ES131L	EMT Part I Lab	1
FRP233	Firefighter Safety and Survival	3
FRP252	Firefighter Level II	4
		12

Third Term

ES105	Introduction to Emergency Services	4
ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
ES295	Health and Fitness for Emergency Services	3
		12

TOTAL PROGRAM CREDITS **36**

¹ FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Emergency Services Department:

Grants Pass or Medford	541-245-7965
Toll free in Oregon800-411-6508, Ext. 7965
Web address	www.roguecc.edu/emergencyservices
email	emergencyservicesadvisors@roguecc.edu
TTY	Oregon Telecom Relay Service, 711

This advising guide is for advising purposes only. Please see current college catalog for additional information on specific college policies and graduation requirements.

RCC is an open institution and does not discriminate. For RCC's non-discrimination policy and a full list of regulatory specific contact persons visit the following webpage: www.roguecc.edu/nondiscrimination.

