

# Fire and Life Safety

Holland code family: Doers

## About the Program

The Fire and Life Safety three-term certificate program is designed to provide basic skills and work experience for those entering the profession. It provides courses aimed at upgrading the skills of professional firefighters and fire prevention officers. Knowledge of fire prevention, building construction, related codes and laws, public education, public relations, and fire investigation are some of the areas addressed.

The program is coordinated in conjunction with the Fire Science Associate of Applied Science (AAS) degree. Courses are either in the core of the AAS degree or chosen from the approved elective list. Coursework is accredited by the Oregon Department of Public Safety Standards and Training.

The U.S. Department of Education requires disclosure of specific information about career and technical certificate programs to prospective students. Data includes Standard Occupational Classification (SOC) codes ([www.bls.gov/SOC/](http://www.bls.gov/SOC/)), graduation rates, tuition and fees, typical costs for books and supplies, job placement rates for students completing the programs, and median loan debt incurred by students completing the programs. For more information, visit [www.roguecc.edu/GainfulEmployment](http://www.roguecc.edu/GainfulEmployment).

## 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.

## 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 program coordinator before being accepted toward core requirements.

## Graduation Requirements

Students must complete all courses in this program with a "C" or better grade to receive their certificates. 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
CS/CIS	Approved 3-4 credit Computer Science or Computer Information Science class, CS120/CIS120 or above, or documented computer proficiency within the past ten years. <sup>1</sup>	0-4
FRP251	Firefighter Level I <sup>2</sup>	3
FRP251L	Firefighter Level I Lab <sup>2</sup>	5



MTH20	Pre-algebra or designated placement test score	4
WR115	Introduction to Expository Writing or designated placement test score	0-3

**Total Prerequisite Credits** **16-19**

## Required Courses

Course No.	Course Title	Credits
<b>First Term</b>		
FRP242	Introduction to Codes and Ordinances	3
FRP256	Fire Behavior and Combustion	3
FRP264	Building Construction for Fire Protection	3
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
WR121	English Composition I	4
		17

## Second Term

FRP241	Fire Prevention Inspections	3
FRP261	Hazardous Materials First Responder	1
FRP262	Fundamentals of Fire Prevention	3
FRP272	Fixed Systems and Extinguishers	3
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
		14

## Third Term

FRP199	Workshop: Selected Topics	3
FRP238	Public Education, Relations and Information	3
FRP243	Advanced Codes and Ordinances	3
FRP273	Fire Investigation	3
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
		15

**TOTAL PROGRAM CREDITS** **46**

<sup>1</sup> Required for graduation.

<sup>2</sup> FRP251 taken previously for 8 credits but without a separate lab is also acceptable.

For more information contact the Fire Science program:

Grants Pass or Medford. . . . . 541-245-7965

Toll free in Oregon . . . . . 800-411-6508, Ext. 7965

Web address . . . . . [www.roguecc.edu/emergencyservices](http://www.roguecc.edu/emergencyservices)

email . . . . . [emergencyservicesadvisors@roguecc.edu](mailto: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](http://www.roguecc.edu/nondiscrimination).

