

Fire Science

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 the program will be prepared to meet the unique demands of a rewarding profession. The program prides itself on delivering the highest education available by following standards set by the National Fire Protection Association (NFPA) and the Fire Emergency Services Higher Education (FESHE). Fire Science program coursework is accredited by the Oregon Department of Public Safety Standards and Training.

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 by the results of their placement assessment. 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.

Graduation Requirements

Students must complete all courses in this program with a grade of "C" or better to receive their degrees. 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.

What skills will you learn?

Visit <http://go.roguecc.edu/department/program-learning-outcomes>.

What are the employment opportunities?

Visit <http://www.roguecc.edu/GainfulEmployment>.

Prerequisites

Course No.	Course Title	Credits
CS__	Approved 3-4 credit computer science class, CS120 or above or documented computer proficiency ¹	0-4
MTH20	Pre-algebra or designated placement test score	4
RD90	College Reading or designated placement test score	4
WR115	Introduction to Expository Writing or designated placement test score	0-3

Total Prerequisite Credits 8-15

First Year Required Courses

Course No.	Course Title	Credits
First Term		
ES105	Introduction to Emergency Services	4
FRP251	Firefighter Level I ²	3
FRP251L	Firefighter Level I Lab ²	5
FRP256	Fire Behavior and Combustion	3
FRP261	Hazardous Materials First Responder Operations	1
		16

Second Term

ES131	Emergency Services Technician Part I	4
ES131L	Emergency Services Technician Part I Lab	1



FRP233	Firefighter Safety and Survival	3
FRP252	Firefighter Level II	4
FRP262	Fundamentals of Fire Prevention	3
		15

Third Term

ES132	EMT Part II	4
ES132L	EMT Part II Lab	1
ES205	Crisis Management	3
LIB127	Introduction to Academic Research	1
MTH63	Applied Algebra I or MTH60 Fundamentals of Algebra I or higher level math	4
SP111	Fundamentals of Public Speaking or SP218 Interpersonal Communication	4
		17

Total First Year Credits

48

Second Year Required Courses

Course No.	Course Title	Credits
Fourth Term		
ES171	Emergency Vehicle Operations	2
ES268	Emergency Service Rescue	3
FRP242	Introduction to Codes and Ordinances	3
ES295	Health and Fitness for Emergency Service Workers or HPE295 Health and Fitness for Life	3
WR121	English Composition I	4
—	Approved program elective ³	0-3
		15-18
Fifth Term		
FRP249	Fire Service Leadership	3
FRP258	Pumper Operator	3
FRP272	Fixed Systems and Extinguishers	3
FRP273	Fire Investigation	3
—	Approved program elective ³	0-3
		12-15
Sixth Term		
FRP259	Water Supply Operations	3
FRP264	Building Construction for Fire Protection	3
FRP274	Firefighting Strategy and Tactics	3

ES280	Cooperative Work Experience/Fire Science	3
PSY101	Psychology of Human Relations or BT101 Human Relations in Organizations	3
—	Approved program elective ³	0-3
		15-18

Total Second Year Credits 42-51

TOTAL PROGRAM CREDITS 93-99

Approved Program Electives

(3-9 credits required)

Course No.	Course Title	Credits
BA214	Business Communications	4
FRP199	Workshop: Selected Topic	1-3
FRP211	Hiring Practices in the Fire Service	3
FRP238	Public Education, Relations and Information	3
FRP241	Fire Prevention Inspections	3
FRP243	Introduction to Codes and Ordinances	3
FRP285	Fire Instructor I	3
PS203	United States Government III	3
WR227	Technical Writing	4

¹ Required for graduation. Successful completion of CS120 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement. Contact a computer science adviser to help determine placement.

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

³ A minimum of 3 total elective credits are required.

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

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.

