

Fire Science

Associate of Applied Science Degree

2009-10 Academic Year

Major Code: 430201

About the Program

The Fire Science program is designed to satisfy two community needs. First, it provides basic skills, education, and work experience for those entering the profession. Second, it provides courses aimed at upgrading the skills of professional firefighters. Coursework is accredited by the Oregon Department of Public Safety Standards and Training.

Entry Requirements

Students are required to secure membership (paid or volunteer) with a local fire service organization prior to enrollment in fire science courses. As part of their training program, students are required to take a placement test to determine skill levels and readiness in math, reading and writing. Students must begin with the courses within their skill levels as determined by placement test scores. In addition, students may also be required to enroll in courses 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 appropriate department head 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 a "C" or better grade. Note: Effective summer term 2009, many general education courses went from three to four credits. The three-credit version of any art, writing, speech, humanities, or social science course will meet the same degree requirements as the new four-credit version. Students must still complete all required courses in this degree and at least 90 applicable credits to receive an associate degree.

General Education Requirements

Course No.	Course Title	Credits
—	Approved 3-4 credit computer science class, CS120 or above (or documented computer proficiency) ¹	0-4
HPE295	Health and Fitness for Life	3
HUM101	Introduction to Humanities or approved elective (see this catalog for approved list of electives)	3-4
LIB127	Introduction to Library Research Methods	1
MTH60	Fundamentals of Algebra I or higher level math	4
PSY101	Psychology of Human Relations or	
BT101	Human Relations in Organizations	3
SOC204	Introduction to Sociology or approved social science elective (see this catalog for approved list of electives)	3-4
SP111	Fundamentals of Public Speaking or	
SP218	Interpersonal Communication	4
WR121	English Composition I	4
WR122	English Composition II	4
TOTAL GENERAL EDUCATION CREDITS		29-35

Required Core Courses

Course No.	Course Title	Credits
EMT131	Emergency Medical Technician – Basic I	4
EMT131L	Emergency Medical Technician – Basic I Lab	1
EMT132	Emergency Medical Technician – Basic II	4

Course No.	Course Title	Credits
EMT132L	Emergency Medical Technician – Basic II Lab	1
FRP280	Cooperative Work Experience/Fire Science	3
FRP251	Firefighter Level I	4
FRP252	Firefighter Level II	3
FRP253	Fire Apparatus Driver	3
FRP254	Introduction to Fire Protection	3
FRP258	Pumper Operator I	3
FRP259	Pumper Operator II	3
FRP261	Hazardous Materials First Responder Operations	1
FRP262	Fundamentals of Fire Prevention	3
FRP264	Building Construction for Fire Protection	3
FRP268	Emergency Service Rescue	3
FRP272	Fixed Systems and Extinguishers	3
FRP273	Fire Investigation	3
FRP274	Firefighting Strategy and Tactics	3
FRP275	Fire Science I	5
FRP277	Fire Science II	5
FRP282	Introduction to Codes and Related Ordinances	3
—	Fire science program electives	2
TOTAL REQUIRED CORE CREDITS		73
TOTAL PROGRAM CREDITS		102-108

Approved Program Electives (9 credits required)

Course No.	Course Title	Credits
CT241	Oregon Structural Specialty Code (IBC)	3
FRP99	Outreach: Selected Topic	0-3
FRP130	Basic Wildland Firefighter	3
FRP131	Advanced Wildland Firefighter	1
FRP199	Workshop: Selected Topic	1-2
FRP200	Initial Attack Incident Commander	1
FRP212	Wildland Chain Saw Use	2
FRP215	Fire Operations in the Wildland/Urban Interface	3
FRP230	Wildland Single Resource Boss	2
FRP231	Wildland Engine Boss	1
FRP234	Wildland Firing Methods and Procedures	2
FRP238	Public Education, Relations, and Information	3
FRP241	Fire Prevention Inspections	3
FRP243	Advanced Fire and Arson Investigation	3
FRP246	Hazardous Material I for Inspectors	3
FRP249	Fire Service Leadership	3
FRP260	Wildfire Business Management Principles	2
FRP269	Aircraft Firefighting	3
FRP270	Basic Air Operations for Wildland Fire Managers	1
FRP278	Basic Internship	3
FRP279	Advanced Internship	3
FRP283	Followership to Leadership	1
FRP285	Fire Instructor I	3
FRP286	Fire Instructor II	3
FRP290	Intermediate Wildland Fire Behavior	3
PS203	United States Government III	3
WR227	Technical Report Writing	4

(over)

¹ Successful completion of CS101 or otherwise meeting the proficiency requirement within the last 10 years fulfills this requirement.

For more information contact the Fire Science program:

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

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