

# WILDLAND FIRE/FUELS MANAGEMENT

## Wildland Fire/Fuels Management Associate of Applied Science

### PROGRAM DESCRIPTION

The Associate of Applied Science degree in Wildland Fire/Fuels Management is designed to prepare a student for a job in Fire/Fuels management. Students will learn importance of how fire/fuels management fits in the managing of ecosystems and natural resources as one of the more important aspects of fire management, including the reintroduction of fire as an ecosystem process.

### ACCREDITATION

National Wildfire Coordinating Group (NWCG), monitored by the Pacific Northwest Coordinating Group (PNWCG)

### PROGRAM COSTS

(beyond standard tuition/fees and textbooks)

#### Material Costs

- Hard hat, gloves, 12" leather boots with Vibram soles, fire clothes, ear protection, eye protection: \$250-\$500. (Some fire clothes may be provided by the College, check with the program director. Boots will NOT be provided.)

### PROGRAM ENTRANCE REQUIREMENTS

#### Academic Entrance Requirements

- Strongly Recommended:
  - Minimum placement scores resulting in WR 121 Academic Composition placement or completion of WR 065 Rhetoric/Critical Thinking II/WR 095 Basic Writing II with a grade "C" or better
  - Minimum placement scores resulting in MTH 060 Algebra I/MTH 085 Technical Mathematics I placement or completion of MTH 020 Pre-Algebra with a grade "C" or better
- Recommended:
  - High school diploma or GED

#### Other Entrance Requirements

- Required:
  - Current employment with a wildland fire suppression organization

### PROGRAM PERFORMANCE STANDARDS

#### Academic Requirements

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

### PROGRAM COURSE REQUIREMENTS

#### Core Courses

FOR 100	Forestry Program Orientation	1
FOR 110	Wildland Fire Science I	2
FOR 111	Forestry Perspectives	4
or SFS 101	Introduction to Emergency Services	
FOR 208	Soils: Sustainable Ecosystems	4
FOR 209	Fire Ecology and Effects	3
FOR 210	Wildland Fire Science II	2
FOR 211	Supervision and Leadership	3
FOR 230A	Map, Compass and GPS	3
FOR 231	GPS Mapping	1
FOR 235	Resource Measurements	4
FOR 236	Aerial Photo	3
FOR 240A	Forest Ecology	3
FOR 241A	Field Dendrology	3
FOR 241B	Dendrology	3
FOR 260	Conservation of Natural Resources	3
FOR 271	Applied Forest Ecology	3
FOR 272	Forest Entomology/Pathology	3

FOR 273	Silviculture and Harvesting Systems	5
GEOG 265	Geographic Information Systems	4
GEOG 273	Spatial Data Collection	5
WF 101	Firefighter Type II Training	3
WF 111	Tactical Decision Simulations	2
WF 290	S-290 Intermediate Wildfire Behavior	3
WF 298	S-390 Fire Behavior Calculation	3
Choose six credits from the Wildland Fire Electives:		6
Any course with a WF prefix		
BA 101	Intro to Business	
FOR 130	Chainsaw Use and Maintenance	
SFS 101	Introduction to Emergency Services	
SFS 102	Firefighter Safety & Survival	

**Other Requirements**

CIS 120	Computer Concepts (or Computer Competency Test)	0-4
Discipline Studies Course		3-4
HHPA Activity Course		1
HHP 295	Health and Fitness	3
or HHP 242	Stress Management	
or HHP 266	Nutrition for Health	
MTH 085	Technical Mathematics I	4-8
& MTH 086	Technical Mathematics II	
or MTH 111	College Algebra	
Choose one course from the following:		3-4
SP 111	Fundamentals Public Speaking	
SP 115	Intro Intercultural Commun	
SP 218	Interpersonal Communication	
SP 219	Small Group Communication	
WR 121	Academic Composition	4

A minimum of 60 days fire-related work experience approved by the Wildland Fire Science director

**Total Credits 97-107**

**ADVISING NOTES**

This degree is designed for students planning to enter their chosen career upon graduation. Often only selected credits are considered transferable to public or private baccalaureate institutions.

A minimum of 60 days fire-related work experience approved by the Wildland Fire Science director is required for graduation.

All Suppression short courses (S-courses), students will be given National Wildfire Coordinating Group (NWCG) certification.

- Minimum qualifications for entry into the occupation is Firefighter Type II (FFT2) which is offered fall/winter term for the less-than-one-year Firefighter Type II certificate.
- Students will need to be physically fit for employment in the occupation of Wildland Firefighter. For an FFT2 position, students will be required to pass the arduous "pack test" (three miles in 45 minutes carrying 45 pounds).

Because the short courses are sponsored by the East Slope Training region, the short courses (S-courses) are available to students in the following order:

1. Sponsored government and state employees, including structural fire agencies, from within the East Slope Training area;
2. Sponsored government and state employees, including structural fire agencies, from outside the East Slope Training area; and
3. Full-time COCC students/part-time COCC students/private contractors (in that order) who meet the qualifications of the course. Students must provide a copy of training records to the program director.