

# Wildland Fire Management

## ASSOC OF APPLIED SCIENCE

**Major code:** 2092  
**Department:** Ag & Natural Resources  
**Chair:** Justin Blazzard  
**Advising:** Marcus Nichols 541-881-5968

### PROGRAM OVERVIEW

This program prepares students for positions on fire crews including crew boss or member of the heli-tech team, with the Bureau of Land Management, the U.S. Forest Service, or other public and private agencies that manage firefighting on public lands.

This degree is designed for students wishing to directly enter the workforce. It is not designed for transfer to a four-year institution, although some coursework may be transferable. Students who wish to transfer coursework are strongly encouraged to work closely with their TVCC advisor to develop a transfer plan and to identify and contact an advisor at their chosen transfer institution. A minimum grade point average of 2.0 is needed to graduate with a degree.

### PROGRAM/DISCIPLINE OUTCOMES

Students who complete the Wildland Fire Management Associate of Applied Science degree will be prepared to:

- Identify the primary factors involved in the start and spread of wildfires.
- Demonstrate proper use of fire equipment and fire suppression techniques, including self-protection, for fighting forest and range wild fires.
- Correctly locate a site using GPS, Map Reading Aerial Photos and the location of corners on the rectangular survey system.
- Apply knowledge of firefighting and fire suppression and abatement behavior to make tactical decisions when confronting wild land fires that threaten lives, property and improvements in the wild land/ urban interface. Includes size-up, initial strategy, structure triangle, tactics, action assessment, public relations, communications, mop up and follow up.
- Demonstrate the ability to assume leadership roles such as crew boss, engine boss, or squad boss.

### WORK BASED LEARNING

Students integrate classroom learning with work-based learning by participating in an internship (Cooperative Work Experience, NATR 280) at a supervised work site. Department Chair approval is required. Credits and grades are based on job hours worked, work performance, and completion of learning objectives specified in a learning contract.

Students who pursue the degree are encouraged to obtain work as a beginning firefighter and to enroll for credit in NATR 280 (Cooperative Work Experience) in the summer between the freshman and sophomore years. The experience gained during the summer will be counted toward experience required by the hiring agencies and will give students an opportunity to obtain

more advanced positions such as crew boss or helicopter tech team member.

### RELATED EDUCATIONAL REQUIREMENTS (16 CREDITS)

All career and technical education degrees and one-year certificates contain required courses in applied communication, computation and human relations. These courses are designed to support student competence and success in the workplace. Students must have appropriate test scores in writing and math to enter the related courses listed. Students who test below the required level will be required to take preparatory courses. A college advisor will assist students with selecting the appropriate preparatory course or courses.

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
-	COM 111Z - PUBLIC SPEAKING (4 credits) or SP 219 SMALL GROUP DISCUSSION (3 credits).....	3
-	INED 157 EMPLOYMENT STRATEGIES.....	2
-	MATH 063 TECHNICAL MATH I.....	4
-	PSYC 101 PSYCHOLOGY OF HUMAN RELATIONS.....	3
-	WR 115 INTRO TO COLLEGE WRITING.....	4

### REQUIRED COURSES (77 CREDITS)

Courses are listed in suggested sequence.

#### YEAR 1

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
-	CS 101 COMPUTER FUNDAMENTALS I.....	4
-	CSS 240 INTRO TO NOXIOUS WEEDS.....	3
-	FWR 101 NATURAL RESOURCES SEMINAR.....	1
-	NATR 101 INTRO TO WILDLAND FIRE (FFT2).....	3
-	NATR 105 FIELD METHODS IN NATURAL RESOURCES.....	3
-	NATR 111 INTRO TO NATURAL RESOURCES.....	5
-	NATR 112 GLOBAL POSITIONING SYSTEMS (GPS).....	2
-	NATR 140 MAP USE AND ANALYSIS.....	4
-	NATR 221 INTRO TO NATURAL RESOURCE ECOLOGY.....	3
-	NATR 241 INTRO TO RANGE MANAGEMENT.....	4

#### YEAR 2

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
-	NATR 280 - COOPERATIVE WORK EXPERIENCE.....	6
-	NATR 201 - ENVIRONMENT & SOCIETY.....	3
-	CSS 205 GENERAL SOILS.....	4
-	FOR 111 INTRODUCTION TO FORESTRY.....	3
-	GEOG 265 GEOGRAPHIC INFO SYSTEMS (GIS) I.....	4
-	HPE 120 FIRST AID & CPR.....	2
-	HPE 295 HEALTH & FITNESS FOR LIFE.....	3
-	NATR 102 L-280 FOLLOWERSHIP TO LEADERSHIP...	2
-	NATR 103 APPLIED BOTANY.....	3
-	NATR 104 S-290 INTERMEDIATE FIRE BEHAVIOR.....	3
-	NATR 106 INTRO TO FIRE EFFECTS.....	3
-	NATR 202 S-212 WILDLAND FIRE CHAIN SAWS.....	3
-	NATR 217 INTRO TO WATERSHED MANAGEMENT....	3
-	NATR 252 WILDLIFE MANAGEMENT.....	3

**Total number of credits..... 93**