

FIRE SCIENCE

ASSOCIATE OF APPLIED SCIENCE: FIRE SCIENCE – MINIMUM 96 CREDITS

CAREER DESCRIPTION

UCC offers an Associate in Fire Science degree which provides two alternatives. First, the degree prepares you to qualify for the specialized demands of a highly diversified and technological society, and thereby gain employment as a firefighter as a result of the training. Second, it provides the first two years of a four-year degree in Fire Science Administration at Eastern Oregon University. For current program requirements, you are strongly urged to consult with the department or an advisor.

To obtain an AAS degree in Fire Science 96 credits are required: 74 credits in Fire Science and 22 credits in General Education. Due to continually changing laws and regulations mandated by Oregon's Occupational Safety and Health Administration (OR-OSHA), DPSST, and the National Fire Protection Association (NFPA), students may be required to add, modify, or delete courses and/or hours to the curriculum to meet current standards. See your advisor for current requirements. All courses require a grade of C or better.

PROGRAM OUTCOMES

To provide specialized training in Fire Science for students seeking employment as professional structural firefighters. Upon completion, students will have completed the requirements of the National Fire Protection Association Firefighter 1 standards and the requirements of Oregon's Department of Public Safety Standards and Training (DPSST) NFPA 1001-5.1.1 - 6.5.4, NFPA 10 Annex "D", NFPA 1021 2-1.

Students who successfully complete the Associate of Applied Science degree in Fire Science will:

1. Demonstrate a basic knowledge of core content for each course completed and demonstrate practical applications based on the requirements set forth by NFPA 1001 "Standard on Fire Fighter Professional Qualifications"
2. Communicate effectively using appropriate:
 - a. Active Listening Skills
 - b. Speaking Skills
 - c. Writing Skills
3. Demonstrate adequate problem solving and critical thinking skills

APPLICATION & ACCEPTANCE

Program participants must meet the following criteria:

1. Be a U.S. citizen.
2. Not have been convicted by any state or federal government of a crime, the punishment for which could have been imprisonment in a federal or state prison.
3. Be of good moral character as determined by a thorough background investigation.
4. Be capable of passing a series of basic physical agility tests.
5. Possess a valid Oregon driver's license with an acceptable driving record.
4. Demonstrate appropriate skills in:
 - a. Hydraulics
 - b. Leadership
 - c. Candidate Physical Ability Training
5. Work effectively as a member of a firefighting team and lead in specific fire department related business, operations, and Public Information activities.
6. Demonstrate skills necessary for continued lifelong learning for improving personal and professional skills.
7. Demonstrate the cognitive and psychomotor skills to complete Oregon's Department of Public Safety Standards and Training, Firefighter 1 Task Book and approved Firefighter's 1 Skills Evaluation Sheets in addition to National Fire Protection Association, Standard on Fire Fighter Professional Qualifications

ASSOCIATE OF APPLIED SCIENCE — Fire Science

Minimum 96 Credits — Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

General Education/ Applied Courses	Academic Composition WR 121 4 CR	Wellness & Health Assessment HPE 295 3 CR	Intermediate Algebra MTH 095 (OR HIGHER) 4 CR	Fundamentals of Public Speaking <i>OR</i> SP 111 4 CR	Psychology of Human Relations PSY 101 3 CR	Technical Report Writing WR 227 4 CR	CREDITS 22	
	EMT Part 1 EMS 151 5 CR	EMT Part 2 EMS 152 5 CR	Fire Rescue Practices – Rough Terrain <i>AND</i> Swift Water <i>AND</i> FRP 201A 1 CR FRP 201B 1 CR <i>OR</i> Emergency Medical Services Rescue ES 113 3 CR			Fire Rescue Practices Vehicle Extrication FRP 201C 1 CR		Firefighting Tactics & Strategy FRP 213 3 CR
Technical Courses Required	Elementary Fire Science Part 1 FRP 121A 4 CR	Elementary Fire Science Part 2 FRP 121B 4 CR	Fire Service Hydraulics FRP 230 4 CR	Fire Pump Construction and Operation FRP 132 3 CR	Fundamentals of Fire Prevention FRP 122 3 CR	Hazardous Materials Awareness/Operations FRP 123 4 CR	CREDITS 74	
	Fire Related Skills FRP 280 6 CR	Fire Investigation FRP 212 3 CR	Building Construction for Fire Suppression FRP 111 3 CR	Fire Protection Systems FRP 202 3 CR	Fire Behavior and Combustion FRP 159 3 CR	Firefighting Safety & Survival FRP 101 3 CR		Natural Cover Fire Protection FRP 133 3 CR
	Principles of Emergency Services ES 101 3 CR <i>OR</i> Introduction to Emergency Medical Services EMS 175 3 CR	Legal Aspects of Emergency Services ES 107 2 CR	Occupational Safety and Health for Emergency Services ES 103 2 CR	Principles of Fire and Emergency Services Administration ES 109 3 CR	Hazardous Materials Chemistry FRP 135 2 CR			
Recommended Electives	NFPA Fire Instructor II FRP 263 2 CR	CPAT FRP 151A 3 CR	CPAT FRP 151B 3 CR	CPAT FRP 151C 3 CR	Swift Water Advance FRP 201D 2 CR	Fire Officer I A FRP 270 4 CR	Fire Officer I B FRP 271 4 CR	
	Fire Officer II FRP 290 4 CR	Fire Officer II FRP 291 4 CR	Paramedic Part 1 EMS 251 10 CR	Paramedic Part 2 EMS 252 8 CR	Paramedic Part 3 EMS 253 8 CR	Paramedic Part 4 EMS 254 6 CR		

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.