Fire Science

ASSOCIATES IN APPLIED SCIENCES-TRANSFER DEGREE (AAS-T)

GENERAL INFORMATION
The Fire Science Program is designed to prepare students for a career in the fire service as well as for career advancement. Instruction includes fire suppression, fire investigation, fire prevention, emergency and rescue systems, emergency response, hazardous materials, officer training, supervision, and coordination with other agencies.

The AAS-T is transferable to Eastern Oregon University, toward a Bachelor of Science in Fire Administration, and Central Washington University, toward a Bachelor of Science in Administrative Management.

The Firefighter Academy (Fire 100) prepares you for the Washington State Fire Fighter (FF I, II, and Hazardous-Materials Awareness and Operations) written and practical exams. Fire 100 is offered in the fall for 15 weeks, and in the spring for 12 weeks. The training is done at off-campus sites, including area fire departments and the Washington State Fire Academy at North Bend.

This is a self-support program that receives limited state funds. As a result, the fees for the classes are designed to provide all program support, including the purchase of needed equipment, staffing, supplies, etc. The fees for these classes do not correspond to the tuition charged for a class of similar credit. Course scheduling is primarily in the evening, with some elective classes being offered over a 2-, 3-, 4-, or 5-day period. The Fire Science Program is approved for Financial Aid and Veterans benefits.

SPECIAL APPLICATION REQUIREMENTS
Instructor permission is required and prerequisites may be needed when registering. All advising for Fire Science and EMT classes must go through the Fire Science office.

For the Fire 100 Firefighter Academy course applicants must be at least 18 years of age, in good physical condition with an emphasis on manual dexterity, strength and endurance. The ability to read, write and interpret the English language is a priority. Communication and organizational skills are essential. Please observe these special requirements: Applicants must complete a Respiratory/Medical questionnaire. Applicants will apply with (NTN) National Testing Network and pass the Ergometrics video test with a cumulative score of 75% and pass the (CPAT) Candidate Physical Ability Test as part of the application process. Go to www.nationaltestingnetwork.com.

The EMS 151 (Emergency Medical Technician) class is an intensive evening and weekend course. Commitment to attendance of all sessions is necessary for successful completion. There is an intensive application process for entry into the EMT class all applicants must take the Compass exam and score into Math 079 and ENGL 097, complete an EMS pre-test with a passing score of 80%. All applicants must have American Heart Association (AHA) CPR/AED/Healthcare Provider card which was issued within 6 months of the start of the EMT course. All required information must be submitted to the office for verification of immunizations, High School/GED completion, and a background check will be completed on each applicant and permission to enroll in the class.

LEARNING OUTCOMES
1. Students will be able to discuss the impact of the history of Fire Service as it relates to current industry trend.
2. Students will be able to analyze effective fire prevention methods utilized in fire science organizations and the community.
3. Students will be able to apply effective fire protection practices and strategies to various scenarios.
4. Students will be able to evaluate the principles of fire chemistry, fire behavior, and safety practices in the fire service industry.

NREMT REGISTRATION
Students successfully completing EMT Training (EMS 151) are eligible to take the Washington State National Registry EMT examination. EvCC also offers the annual continuing education courses Competency Based Training (CBT) required to maintain the EMT certification in Washington. EvCC is a NREMT test site. To register and apply to take the NREMT exam, go to: www.nremt.org and click on registration process (in red). EvCC is not listed on website, please complete the process 1-7, and then contact the Everett CC Testing Center at: (425) 388-9288.

CAREER OPTIONS
Fire department employees have a wide range of responsibilities, including fire suppression, administration, inspection, supervision, fire prevention, hazardous materials response and emergency medical services. Completion of the Fire 100 and EMT courses will give you the two main certifications required to apply for work here in those chosen fields. Many fire departments require certification as a FF I and EMT prior to employment. Employment opportunities are found at state and local governments, fire departments, and with private ambulance companies. The Program Director or Assistant can provide a list of websites that can be used to begin your job search.

GETTING STARTED AT EVCC
Our Enrollment Services Office provides general information about application, advising, orientation and registration for new and continuing students. New students may contact the Advising Center for entry advising and first quarter class selection.

◆ Enrollment Services, Parks Union, 2nd Floor, 425-388-9219, admissions@everettcc.edu
◆ Advising Center, Rainier Hall 108, 425-388-9339

To make advising appointments with Fire Science faculty, contact:

Trudy LaDouceur, Program Assistant, 425-388-9591
tladouceur@everettcc.edu

Fire Science Program office located in Liberty Hall, Room 269

Office hours: Mon – Fri 8:30 am to 4:30 pm

Approved November 30, 2018 by Instructional Council
FIRE SCIENCE ASSOCIATES IN APPLIED SCIENCE-TRANSFER DEGREE (AAS-T)

This degree is targeted at students with an interest in Fire Science. Students will meet with an advisor and maintain this checklist while at EvCC. The quarter before expected completion, this checklist should be submitted with a diploma application to the Fire Science office.

Student Name: ___________________________ Advisor Signature: ___________________________ Date: ___________________________

Student ID#: ___________________________ E-mail ___________________________

☐ COMPLETION of Diversity Course

(Where Completed/Course Title) (Year Completed) (Grade)

Course Number Course Title Credits Quarter Completed Grade

GENERAL EDUCATION REQUIREMENTS (20 CREDITS)

ENGL& 101 or 101D English Composition I 5 ___________________________ ___________________________ ___________________________

MATH& 107 (or higher) Math in Society 5 ___________________________ ___________________________ ___________________________ 

BUS& 101 Introduction to Business 5 ___________________________ ___________________________ ___________________________ 

PSYC& 100 General Psychology 5 ___________________________ ___________________________ ___________________________ 

Total Credits 20 ___________________________ ___________________________ ___________________________ 

FIRE SCIENCE REQUIREMENTS (40 CREDITS)

FIRE 102 Introduction to the Fire Service 5 ___________________________ ___________________________ ___________________________ 

FIRE 103 Fire Company Basic Operations 3 ___________________________ ___________________________ ___________________________ 

FIRE 104 Fire Department Community Relations 3 ___________________________ ___________________________ ___________________________ 

FIRE 110 Fire Suppression Systems 3 ___________________________ ___________________________ ___________________________ 

FIRE 120 Pump Operations/Hydraulics 5 ___________________________ ___________________________ ___________________________ 

FIRE 122 Fire Company Strategy & Tactics I 3 ___________________________ ___________________________ ___________________________ 

FIRE 200 Fire Company Strategy & Tactics II 5 ___________________________ ___________________________ ___________________________ 

FIRE 202 Fire Investigations 3 ___________________________ ___________________________ ___________________________ 

FIRE 203 Building Construction for Fire Protection 5 ___________________________ ___________________________ ___________________________ 

FIRE 205 Fire Department Company Officer 5 ___________________________ ___________________________ ___________________________ 

Total Credits 40 ___________________________ ___________________________ ___________________________ 

ELECTIVES (30 credits): Advising is required for the Fire Science degree and Instructor Permission is required to register.

In selecting electives, see courses listed below and other courses listed on the AAS-DTA list. Please note only 3 credits for PEHW activity courses, numbered 100 and above, may be transferred.

FIRE 100 Firefighter Academy 22 ___________________________ ___________________________ ___________________________ 

EMS 151 Emergency Medical Technician 13 ___________________________ ___________________________ ___________________________ 

FIRE 240 Instructor I Certification 3 ___________________________ ___________________________ ___________________________ 

FIRE 249 Wildland Fire Fighting 2.5 ___________________________ ___________________________ ___________________________ 

FMS 218 Fire Officer I 5 ___________________________ ___________________________ ___________________________ 

FMS 220 Fire Officer II 5 ___________________________ ___________________________ ___________________________ 

CMST& 210 Interpersonal Communication 5 ___________________________ ___________________________ ___________________________ 

SOC& 101 Introduction to Sociology 5 ___________________________ ___________________________ ___________________________ 

ENGL& 230 Technical Writing 5 ___________________________ ___________________________ ___________________________ 

PEHW 119 Speed, Agility & Quickness 1-2 ___________________________ ___________________________ ___________________________ 

TO EARN AN ASSOCIATE IN APPLIED SCIENCES-T DEGREE IN FIRE SCIENCE: 90 CREDITS

NOTE: If certificates or other college transcripts are presented for the Fire Science degree, EvCC requires a minimum of 30 credits earned at EvCC before requesting a degree. Firefighter I and EMT state certifications can be used for equivalency credits.

A minimum 2.0 cumulative GPA is required for the AAS-T Degree.