



# FIRE SCIENCE & EMERGENCY SERVICES

## Program of Study One or Two Year Program



**Career Cluster:** Law, Public Safety, Corrections & Security

**Career Cluster Pathway:** Emergency & Fire Management

*This Career Pathway Program of Study can serve as a guide along with other career planning materials as learners continue on a career path. Courses listed within this program are only recommended coursework and should be individualized to meet each learner's education and career goals. The courses outlined below are only RECOMMENDATIONS. Course offerings may vary from high school to high school. Additionally, a PPR (Personalized Pathway Requirement) may be used in lieu of some of the World Language and/or Art credit requirement. See your high school counselor for additional graduation requirement information.*

**PPR – Personal Pathway Requirement**

\*World Language – 2.0 credit may be met through a PPR

\*\*Art – 1.0 credit may be met through a PPR

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	Other Requirements	Electives	Summer School Offerings High School Credit Free of Charge	
MS	6-8	Grade Level ELA	Grade Level Math	Grade Level Science	Grade Level Social Studies		STEM Classes	<b>Summer School Available After the 8<sup>th</sup> Grade Year</b>	
High School	9	ELA 9	Integrated Math I OR Intensive Integrated Math I	Grade Level Science		PE Health World Language* Art**	<b>CTE &amp; Elective Options to be Taken Grades 9-11</b> <ul style="list-style-type: none"> <li>● AP Environmental Sci (DC)</li> <li>● Intro to Medical Careers</li> <li>● Anatomy and Physiology (DC)</li> <li>● Anytime Fitness (DC)</li> <li>● Sports Medicine 1 (DC)</li> <li>● Sports Medicine 2 (DC)</li> <li>● Biotechnology</li> </ul>	<b>PCSC Summer School:</b>  Criminal Justice, Fire Science & Emergency Services at PCSC  See PCSC Summer School application for additional course offerings at other PCSC summer school locations. Offerings also include CTE classes that may satisfy academic credit graduation requirements – specifically in art, PE, and health.	
	10	ELA 10	Integrated Math II	Grade Level Science	World Studies OR HIST 103 (CHS/EWU)	World Language* Art**			
	11	ELA 11 OR ENGL 101 (CHS/EWU)	Integrated Math III	Grade Level Science	US Studies OR AP US				<b>Junior Year Options at PCSC:</b> Fire Science & Emergency Services Criminal Justice
	12	ELA 12 OR ENGL 170 (CHS/EWU)	Consumer Math OR Math 101 (College Ready Math – CHS/CWU) OR Math 153 & 154 (Pre-Calculus) OR Math 172 & 173 (AP Calculus) (CHS/CWU)	Anatomy and Physiology OR Intro to Med Careers OR Chemistry	Civics & Economics OR POLS 210 (CHS/CWU)	<b>1.0 PE Credits - Fire Science at PCSC</b>			<b>Fire Science at PCSC</b>
<b>Credit Equivalency, Certifications &amp; Dual Credit</b>	<b>High School Credit Equivalency:</b> 1.5 PE 3.0 CTE/Elective			<b>Certifications Earned at PCSC:</b> FEMA ICS 100, 200, 700 Precision Exams First Aid/CPR			<b>Articulation/Dual Credit:</b> Bates – Up to 18 credits  <i>Articulation agreements and number of credits are subject to change</i>		

<b>Clubs and Extracurricular Activities</b>	<b>WCTSMA</b> Washington Career and Technical Sports Medicine Association	<b>OMS WCTSMA Advisor:</b> N/A	<b>OHS WCTSMA Advisor:</b> Sports Medicine Club Renee Romo romor@orting.wednet.edu
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Rev. 2/2019

**Additional Program Information**

**Course Description**

The Fire Science & Emergency Services program is designed to prepare students for a career as a firefighter and other emergency services careers such as, EMT, fire investigator, and building investigator. Students will learn the academic requirements associated with being a firefighter. Students will use industry firefighting equipment such as hoses, turnout gear, SCBAs, and a working fire engine.

<p><b>Course Outline</b></p> <ul style="list-style-type: none"> <li>● NPFA Objectives</li> <li>● Fire Department Organization</li> <li>● Safety/Safety Equipment</li> <li>● Fire Behavior</li> <li>● Personal Protective Equipment</li> <li>● Water Supplies</li> <li>● Fire Hose, Appliances &amp; Streams</li> <li>● Ventilation</li> <li>● Ladders</li> <li>● Overhaul</li> <li>● Rescue</li> <li>● Fire Training</li> <li>● Fire Prevention</li> <li>● Fire Communications</li> <li>● Incident Management System</li> <li>● National Incident Management System</li> <li>● Hazardous Materials R &amp; I</li> <li>● Wildland Firefighting</li> </ul>	<p><b>Local Public Post-Secondary Options</b></p> <ul style="list-style-type: none"> <li>● Bates Technical College</li> <li>● Clover Park Technical College</li> <li>● Bellevue College</li> <li>● Columbia Basin College</li> <li>● Edmonds Community College</li> <li>● Lower Columbia College</li> <li>● Olympic College</li> <li>● Central Washington University</li> <li>● Tacoma Community College</li> <li>● Pierce College</li> <li>● University of AK</li> </ul>												
<p><b>Careers &amp; Job Outlook</b></p> <p>The information provided below is from the Washington State Employment Security Department.</p> <p><a href="https://esd.wa.gov/labormarketinfo/learn-about-an-occupation#/details">https://esd.wa.gov/labormarketinfo/learn-about-an-occupation#/details</a></p> <table border="0"> <thead> <tr> <th style="text-align: left;"><b>Occupation</b></th> <th style="text-align: left;"><b>Annual Salary</b></th> </tr> </thead> <tbody> <tr> <td>Wildland Firefighter</td> <td>\$34,680</td> </tr> <tr> <td>EMT/Paramedic</td> <td>\$56,322</td> </tr> <tr> <td>Fire, Police &amp; Ambulance Dispatchers</td> <td>\$61,330</td> </tr> <tr> <td>Firefighter</td> <td>\$79,746</td> </tr> <tr> <td>Fire Inspector &amp; Investigator</td> <td>\$97,273</td> </tr> </tbody> </table>	<b>Occupation</b>	<b>Annual Salary</b>	Wildland Firefighter	\$34,680	EMT/Paramedic	\$56,322	Fire, Police & Ambulance Dispatchers	\$61,330	Firefighter	\$79,746	Fire Inspector & Investigator	\$97,273	<p><b>Additional career and outlook information can be found on the following websites:</b></p> <p><a href="http://www.bls.gov">www.bls.gov</a>  <a href="http://www.careerbridge.wa.gov">www.careerbridge.wa.gov</a></p>
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