

# High School to College and Career Pathway: Secondary

Area of Study: Skilled & Technical Sciences Education



## Pathway: Protective Service Firefighting

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																				
7 <sup>th</sup> Grade	8 <sup>th</sup> Grade	Middle School	High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade Suggested	12 <sup>th</sup> Grade Suggested	Beyond High School																					
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts 4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none"> <li>&gt; Certificate</li> <li>&gt; Associate degree</li> <li>&gt; Bachelor's degree</li> <li>&gt; Professional degree</li> <li>&gt; On-the-job training</li> <li>&gt; Apprenticeship</li> <li>&gt; Military training</li> </ul> <p><b>Firefighting is:</b></p> <ul style="list-style-type: none"> <li>&gt; High skill</li> <li>&gt; High demand</li> <li>&gt; Nontraditional for females</li> </ul> <p><b>Sample Occupations</b></p> <ul style="list-style-type: none"> <li>&gt; Battalion Chief</li> <li>&gt; Fire Chief's Aide</li> <li>&gt; Firefighter Supervisor</li> <li>&gt; Firefighting Teacher</li> <li>&gt; Fire Inspector</li> <li>&gt; Fire Marshall</li> <li>&gt; Forest Firefighter</li> </ul> <p>For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a>.</p>																					
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math 3.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Additional credit 1.00																							
Science .50	Science 1.00	1.50	Science 3.00	Earth Systems 1.00	Biological Science 1.00 or Chemistry 1.00	Additional credit 1.00																							
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies 2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50																						
P.E. 1.00	Health .50	1.50	P.E./Health 2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50																								
The Arts .50	The Arts .50	1.00	Fine Arts 1.50	Fine Arts Courses 1.50																									
			Financial Literacy .50			Financial Literacy .50																							
Keyboarding .50			Computer Tech. .50	Computer Technology .50																									
CTE Intro 1.00		1.00	Career and Technical Education 1.00	<p><b>Career and Technical Education Recommended Pathway Courses</b></p> <p>(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)</p> <p><b>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</b></p> <table border="1"> <thead> <tr> <th>Course #</th> <th>Foundation Course: (required)</th> <th>Credit</th> </tr> </thead> <tbody> <tr> <td>43.0203</td> <td>Fire Science</td> <td>.50</td> </tr> <tr> <td>51.0810</td> <td>EMS, Introduction</td> <td>.50</td> </tr> <tr> <td colspan="3"><b>Elective Courses:</b></td> </tr> <tr> <td>15.0507</td> <td>Environmental Science</td> <td>.50</td> </tr> <tr> <td>21.0105</td> <td>Physics with Technology</td> <td>1.00</td> </tr> <tr> <td>32.0199</td> <td>Student Internship (Critical Workplace Skills)</td> <td>.50</td> </tr> </tbody> </table> <p>Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.</p> <p>2.00 credits for completion</p>					Course #	Foundation Course: (required)	Credit	43.0203	Fire Science	.50	51.0810	EMS, Introduction	.50	<b>Elective Courses:</b>			15.0507	Environmental Science	.50	21.0105	Physics with Technology	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50
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<b>Workforce Trends</b> Employment of firefighters is expected to grow 18 to 26 percent for all occupations through 2014. Those who have completed some firefighter education at a community college and have an EMT certification will have an additional advantage.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor.																											
<b>Get the Facts</b> There are over 1 million firefighters in the United States. In Utah, approximately 85% of firefighters are volunteers and approximately 14% are career firefighters.		Concurrent enrollment course offerings vary by school and district.																											
		This is a nontraditional occupation for women. In 2007, 5.3 percent of the people employed in this occupation were women.																											

**Note:** For more information, talk to your school counselor.