

High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



Area of Study: Skilled and Technical Sciences Education

Pathway: Protective Services – Firefighting

Get the Facts

There are over 1 million firefighters in the United States. In Utah, approximately 85 percent of firefighters are volunteers and approximately 14 percent are career firefighters.

In 2009, there were approximately 9,700 female firefighters nationwide.

Workforce Trends

In Utah, employment of firefighters is projected to grow 3.4 percent through the year 2018. Those who have completed some firefighter education at a community college and have an EMT certification will have an additional advantage.



CAREER AND TECHNICAL EDUCATION Recommended Pathway Courses

(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)

CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL

Course #	Foundation Courses: (required)	Credit
43.0203	Fire Science	.50
51.0810	EMS, Introduction	.50
Elective Courses:		
15.0507	Environmental Science	.50
21.0105	Physics with Technology	1.00
32.0199	Student Internship (Critical Workplace Skills)	.50

1.00 credit

1.00 credit

2.00 credits for completion

Firefighting is:

- > High skill
- > High demand
- > Nontraditional for females

Sample Career Occupations

- > Battalion Chief
- > Fire Chief's Aide
- > Firefighter Supervisor
- > Firefighting Teacher
- > Fire Inspector
- > Fire Marshall
- > Forest Firefighter

This is a nontraditional occupation for women. In 2007, 5.3 percent of the people employed in this occupation were women.

Middle School		State Requirements			High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School		9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th 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	There are a number of options for education and training beyond high school, depending on your career goals. <ul style="list-style-type: none"> > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training For more information on salary projections, labor market demand, and training options, visit www.utahfutures.org .
Math * 1.00	Math * 1.00	2.00	Math	3.00	Math * 1.00	Math * 1.00	Math * 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	3.00	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				
Keyboarding .50			Computer Tech.	.50	Computer Technology .50				
CTE Intro 1.00		1.00	CTE	1.00	Refer to Career and Technical Education box above.				

* Talk to your school counselor about math requirements in the new common core curriculum. Core curriculum and elective requirements may vary district to district.

Concurrent enrollment course offerings vary by school and district. Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.