



**Career Cluster: Architecture & Construction**

**Career Pathway: Construction & Structural Systems**

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Business Office Specialist *	English 1010	Math 1050	
Customer Service *			
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
Agricultural Mechanics and Technology 1	Construction Trades Foundation * +	Unmanned Aerial Systems	
Architectural Design 1 * +	Entrepreneurship *	Welding Technician, Entry *	
Construction Management 1 +	Interior Design 1 *	Woods 1 +	
Construction Technology +	Metalworking 1		
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
Carpentry 1 *	Construction Management 2	Electrician 1 *	Plumbing 1
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.			
Carpentry 2 *	Construction Management 3	Electrician 2	Plumbing 2
CTE Internship	<a href="#">Apprenticeship</a>		
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.			
Utah System of Higher Education: <a href="https://www.ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		UtahMajors.org: <a href="#">Majors Guide</a>	

\* concurrent enrollment course + recommended explorer course

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	<b>Certificate</b>	<b>2-Year Associate Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Electrical and Electronics Engineering Technician > Pipefitter (Journey Level) > Plumber (Journey Level)	> Carpenter > Electrical Drafter > General Contractor	> CTE Teacher > Civil Engineer > Construction Manager > Electrical Engineer > Environmental Engineer

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value. [Credentials of Value](#)

Utah CTE classes are open to all qualified students without regard to race, color, national origin, sex, disability, or age.

**Advice to Students**

“Take as many CTE classes as you can. It is a great way to learn a little bit about a lot of different areas. CTE classes taught me about careers that I did not know about. It is a great way to develop skills that will help you throughout your life. I also met good friends in CTE classes because I was able to be around people with the same interests.”

Tyler Bruck  
 Future Construction Manager

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Architecture & Construction**

UtahCTE.org: [Fact Sheet](#)

Department of Workforce Services  
[Utah Occupational Explorer](#)

[UIAFC Pathways](#)

**SkillsUSA**

is the Career and Technical Student Organization (CTSO) for students in the Construction & Structural Systems Career Pathway.

[SkillsUSA.org](https://www.skillsusa.org) | [UtahSkillsUSA.org](https://www.utahskillsusa.org)

[SkillsUSA Utah flyer](#)

