



## Career Cluster: Construction

### Career Pathway: Construction & Structural Systems

| JUNIOR HIGH / MIDDLE SCHOOL                                                                                                       |                      |                                              |                              |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------|------------------------------|
| College and Career Awareness                                                                                                      |                      |                                              |                              |
| Exploring Technology                                                                                                              |                      |                                              |                              |
| HIGH SCHOOL                                                                                                                       |                      |                                              |                              |
| SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)      |                      |                                              |                              |
| Business Office Specialist *                                                                                                      |                      | English 1010                                 |                              |
| Customer Service *                                                                                                                |                      | Math 1050 *                                  |                              |
| EXPLORER COURSES: Choose one or more of the following courses.                                                                    |                      |                                              |                              |
| Agricultural Mechanics and Technology 1 *                                                                                         | Entrepreneurship *   | Welding Technician, Entry *                  |                              |
| Architectural Design 1 * +                                                                                                        | Interior Design 1 *  | Woodworking, Beginning +                     |                              |
| Construction Technology +                                                                                                         | Metalworking 1       |                                              |                              |
| Construction Trades Foundation * +                                                                                                | UAS: Drones, Intro * |                                              |                              |
| CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.                    |                      |                                              |                              |
| Electrician 1 *                                                                                                                   | Plumbing 1           | Residential Construction 1 *                 |                              |
| COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway. |                      |                                              |                              |
| Construction Capstone                                                                                                             | Electrician 2        | Plumbing 2                                   | Residential Construction 2 * |
| CTE Internship                                                                                                                    |                      | Apprenticeship                               |                              |
| POSTSECONDARY: There are many options for education and training beyond high school.                                              |                      |                                              |                              |
| Utah System of Higher Education: <a href="https://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. |                                                                                                                                                                                         |                                                                                                                                    |                                                                                                                                                                                                           |
|                       | Certificate                                                                                                                                                                             | 2-Year Associate Degree                                                                                                            | 4-Year Bachelor's Degree                                                                                                                                                                                  |
|                                                                                                          | <ul style="list-style-type: none"> <li>&gt; Electrical and Electronics Engineering Technician</li> <li>&gt; Pipefitter (Journey Level)</li> <li>&gt; Plumber (Journey Level)</li> </ul> | <ul style="list-style-type: none"> <li>&gt; Carpenter</li> <li>&gt; Electrical Drafter</li> <li>&gt; General Contractor</li> </ul> | <ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Civil Engineer</li> <li>&gt; Construction Manager</li> <li>&gt; Electrical Engineer</li> <li>&gt; Environmental Engineer</li> </ul> |

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

#### Construction

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

### SkillsUSA

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

[SkillsUSA.org](https://SkillsUSA.org) | [UtahSkillsUSA.org](https://UtahSkillsUSA.org)  
[SkillsUSA Utah flyer](#)

