# **Utah Career and Technical Education Career Pathway Chart**

2022-2023 School Year



### **Career Cluster: Architecture & Construction**

# Career Pathway: Architectural Design (CAD)

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)			
Secondary Math 2	· · · · · · · · · · · · · · · · · · ·		
EXPLORER COURSES: Choose one or more of the following courses.			
CAD Architectural Design 1 * +	Construction Trades Foundation *		
Carpentry 1 *	Electrician 1 *		
Construction Technology	Plumbing 1		
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.			
CAD Architectural Design 2 *			
<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.			
CAD Architectural Design 3 *			
CTE Internship	Apprenticeship		
POSTSECONDARY: There are many options for education and training beyond high school.			
Itah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities)  UtahMajors.org: <u>Majors Guide</u>			

<sup>\*</sup> 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.



1-2 Year	2-Year	4-Year
Certificate	Associate Degree	Bachelor's Degree
> Civil Drafter	> Architectural Drafter > Civil Drafter	<ul><li>&gt; Architect</li><li>&gt; Architectural and Engineering Manager</li><li>&gt; Civil 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.

### Student Testimonial

"As a freshman in high school, I was unsure what career path I should focus on. Because of this, I ended up taking a wide variety of courses and finding a passion in designing house plans using the computer. I have chosen to focus on structural and architectural design technology."

Jaxon Schiess Wasatch High School

### **LEARN MORE ABOUT OCCUPATIONS AND WAGES**

### **Architecture & Construction**

UtahCTE.org: Fact Sheet

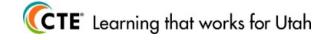
Department of Workforce Services **Utah Occupational Explorer** 

is the Career and Technical Student Organization (CTSO) for students in the Architectural Design (CAD) Career Pathway.

TSAweb.org | UtahTSA.org

Utah TSA flyer





# **Utah Career and Technical Education Career Pathway Chart**

2022-2023 School Year



### **Career Cluster: Architecture & Construction**

# Career Pathway: Construction & Structural Systems

JUNIOR HIGH / MIDDLE SCHOO	L			
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)				
English 1010	Entrepreneurship *		Math 1050	
EXPLORER COURSES: Choose one or more of the following courses.				
CAD Architectural Design 1 * +		Construction Trades Foundations * +		
Construction Management 1 +		Woods 1 +		
Construction Technology +				
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.				
Carpentry 1 *	Construction Management 2	Electrician 1 *	Plumbii	ng 1
COMPLETER COURSES: 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	Plumbii	ng 2
CTE Internship		Apprenticeship		
POSTSECONDARY: There are many options for education and training beyond high school.				
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities)  UtahMajors.org: <u>Majors Guide</u>		ors Guide		

<sup>\*</sup> 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.



1-2 Year	2-Year	4-Year
Certificate	Associate Degree	Bachelor's Degree
<ul> <li>&gt; Electrical and Electronics Engineering Technician</li> <li>&gt; Pipefitter (Journey Level)</li> <li>&gt; Plumber (Journey Level)</li> </ul>	> Carpenter > Electrical Drafter > General Contractor	<ul><li>CTE Teacher</li><li>Civil Engineer</li><li>Construction Manager</li><li>Electrical Engineer</li><li>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. <a href="Credentials of Value">Credentials of Value</a>

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

### Student Testimonial

The CTE classes I have taken have led me to see that I am interested in a career in construction. With the CTE classes I have learned many skills needed to go farther in my career. I have learned that I like framing, shingling, and now I found out I like doing the finish mud on sheet rock. Once I finish my schooling, I will be able to get a job that I will enjoy and that I can improve throughout my life."

Tyler Stettler Murray High School

# LEARN MORE ABOUT OCCUPATIONS AND WAGES

### **Architecture & Construction**

UtahCTE.org: Fact Sheet

Department of Workforce Services

<u>Utah Occupational Explorer</u>

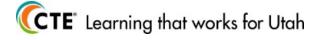
**UAEC Pathways** 

### **SkillsUSA**

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

SkillsUSA.org | UtahSkillsUSA.org SkillsUSA flyer





## **Utah Career and Technical Education Career Pathway Chart**

2022-2023 School Year



### **Career Cluster: Architecture & Construction**

# **Career Pathway: Interior Design**

JUNIOR HIGH / MIDDLE SCHOOL			
College and Career Awareness			
FCS 6th Grade			
FCS Exploration	FCS Exploration		
HIGH SCHOOL			
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
Entrepreneurship *			
EXPLORER COURSES: Choose one or more of the following courses.			
Business Communication 1 *	Interior Design 1 * +		
CAD Architectural Design 1 *	Marketing 1 *		
Digital Media 1 *			
CONCENTRATOR COURSES: To be a concentrator you must pass the	ne following course AND one explorer course.		
Interior Design 2 *			
COMPLETER COURSES: To be a completer you must pass a concent	trator course and enough courses to equal 3.0 credits in this Pathway.		
Interior Design 3			
Sewing Construction and Textiles 3			
CTE Internship	<u>Apprenticeship</u>		
POSTSECONDARY: There are many options for education and training beyond high school.			
Utah System of Higher Education: ushe.edu (Utah's public colleges an	d universities) UtahMajors.org: Majors Guide		

<sup>\*</sup> 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.



1-2 Year	2-Year	4-Year
Certificate	Associate Degree	Bachelor's Degree
N/A	> Photo Stylist	

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.

### Student Testimonial

"The most influential decision I made during high school was to participate in a CTE Internship. The path towards interior design began with my quick start into the field through my internship. Because my decision was made during high school, I didn't have to waste thousands of dollars in tuition trying to decide on a major."

> Paige Kirschbaum American Fork High School

### LEARN MORE ABOUT OCCUPATIONS AND WAGES

### **Architecture & Construction**

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

### **FCCLA**

is the Career and Technical Student Organization (CTSO) for students in the Interior Design Career Pathway.

FCCLAinc.org | UtahFCCLA.org Utah FCCLA flyer

