



**Career Cluster: Architecture & Construction**

**Career Pathway: Architectural Design (CAD)**

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">Exploring Technology</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
Secondary Math 2	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">CAD Architectural Design 1</a> * +	<a href="#">Construction Trades Foundation</a> *
<a href="#">Carpentry 1</a> *	<a href="#">Electrician 1</a> *
<a href="#">Construction Technology</a>	<a href="#">Plumbing 1</a>
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">CAD Architectural Design 2</a> *	
<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.	
<a href="#">CAD Architectural Design 3</a> *	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://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>1-2 Year Certificate</b>	<b>2-Year Associate Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Civil Drafter	> Architectural Drafter > Civil Drafter	> Architect > Architectural and Engineering Manager > Civil Engineer

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](#)

**TSA**

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

[TSAweb.org](#) | [UtahTSA.org](#)  
[Utah TSA flyer](#)





**Career Cluster: Architecture & Construction**

**Career Pathway: Construction & Structural Systems**

JUNIOR HIGH / MIDDLE SCHOOL			
<a href="#">College and Career Awareness</a>			
<a href="#">Exploring Technology</a>			
HIGH SCHOOL			
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)			
English 1010	<a href="#">Entrepreneurship</a> *	Math 1050	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.			
<a href="#">Construction Management 1</a> +		<a href="#">Construction Trades Foundation</a> * +	
<a href="#">Construction Technology</a> +		<a href="#">Woods 1</a> +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.			
<a href="#">Carpentry 1</a> *	<a href="#">Construction Management 2</a>	<a href="#">Electrician 1</a> *	<a href="#">Plumbing 1</a>
<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.			
<a href="#">Carpentry 2</a> *	<a href="#">Construction Management 3</a>	<a href="#">Electrician 2</a>	<a href="#">Plumbing 2</a>
CTE Internship			
POSTSECONDARY:			
Utah System of Higher Education: <a href="http://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>1-2 Year 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	> CTE Teacher > Construction Manager > Electrical Engineer

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**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  
[Utah Occupational Explorer](#)

**SkillsUSA**

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

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





**Career Cluster: Architecture & Construction**


**Career Pathway: Interior Design**

JUNIOR HIGH / MIDDLE SCHOOL	
<a href="#">College and Career Awareness</a>	
<a href="#">FCS 6th Grade</a>	
<a href="#">FCS Exploration</a>	
HIGH SCHOOL	
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)	
<a href="#">Entrepreneurship</a> *	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
<a href="#">Business Communication 1</a> *	<a href="#">Interior Design 1</a> * +
<a href="#">CAD Architectural Design 1</a> *	<a href="#">Marketing 1</a> *
<a href="#">Digital Graphic Arts Intro</a> *	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.	
<a href="#">Interior Design 2</a> *	
<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.	
<a href="#">Interior Design 3</a>	
<a href="#">Sewing Construction and Textiles 3</a>	
CTE Internship	
POSTSECONDARY:	
Utah System of Higher Education: <a href="http://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.

	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	N/A	> Photo Stylist	> Architect > CTE Teacher > Interior Designer > Sales Manager

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**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](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)  
[Utah FCCLA flyer](#)

