



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 *	
COMPLETER COURSES: 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.	
Utah System of Higher Education: ushe.edu (Utah's public colleges and universities)	UtahMajors.org: Majors Guide

* 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 > Civil Drafter	2-Year Associate Degree > Architectural Drafter > Civil Drafter	4-Year Bachelor's Degree > Architect > Architectural and Engineering Manager > Civil Engineer
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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
 Future Architect

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			
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 *	Plumbing 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	Plumbing 2
CTE Internship	Apprenticeship		
POSTSECONDARY: There are many options for education and training beyond high school.			
Utah System of Higher Education: ushe.edu (Utah's public colleges and universities)		UtahMajors.org: Majors Guide	

* 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
	<ul style="list-style-type: none"> > Electrical and Electronics Engineering Technician > Pipefitter (Journey Level) > Plumber (Journey Level) 	<ul style="list-style-type: none"> > Carpenter > Electrical Drafter > General Contractor 	<ul style="list-style-type: none"> > CTE Teacher > Civil Engineer > Construction Manager > Electrical Engineer > Environmental 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 . . . 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
 Future Construction Manager

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Architecture & Construction

UtahCTE.org: [Fact Sheet](#)

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

[SkillsUSA flyer](#)






Career Cluster: Architecture & Construction

Career Pathway: Interior Design

JUNIOR HIGH / MIDDLE SCHOOL	
College and Career Awareness	
FCS 6th Grade	
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 following course AND one explorer course.	
Interior Design 2 *	
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.	
Interior Design 3	
Sewing Construction and Textiles 3	
CTE Internship	Apprenticeship
POSTSECONDARY: There are many options for education and training beyond high school.	
Utah System of Higher Education: ushe.edu (Utah's public colleges and universities)	UtahMajors.org: Majors Guide

* 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

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](#)

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Student Testimonial

"A CTE internship offered me the chance to work outside of the classroom for on-the-job training and opportunities to help me better understand what I want to do after graduation."

Jacob Gurney
 Future Interior Designer

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](https://www.fccla.org) | [UtahFCCLA.org](https://www.utahfccla.org)

[Utah FCCLA flyer](#)

