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 sup	port the Career Pathway	(Courses DO NOT count towards the Pathway)
Secondary Math 2		
EXPLORER COURSES : Choose one or more of the following cours	es.	
CAD Architectural Design 1 * +	Construction Trades Foundation *	
Carpentry 1 *	Electrician 1 *	
Construction Technology	Plumbing 1	
CONCENTRATOR COURSES: To be a concentrator you must pass	s the following course AN	ID 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	Credentials of Value	
POSTSECONDARY:		
Utah System of Higher Education: <u>ushe.edu</u> (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
> 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

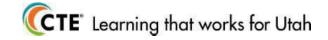
TSA

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

TSAweb.org | UtahTSA.org

Utah TSA flyer





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	DL		
College and Career Awareness			
Exploring Technology			
HIGH SCHOOL			
SUPPORTING COURSES: Sugg	ested high school courses that sup	port 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 Founda	ations * +
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		Credentials of Value	
POSTSECONDARY:			
Utah System of Higher Education: <u>ushe.edu</u> (Utah's public colleges and universities) UtahMajors.org: <u>Majors Guide</u>		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	2 Year	4 Year
Certificate	Associate Degree	Bachelor's Degree
> Electrical and Electronics Engineering Technician > Pipefitter (Journey Level) > Plumber (Journey Level)	> Carpenter > Electrical Drafter > General Contractor	CTE TeacherCivil EngineerConstruction ManagerElectrical EngineerEnvironmental Engineer

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>

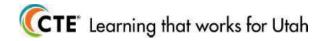
UAEC Pathways

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		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support	ort the Career Pathway (Courses DO NOT count towards the Pathway)	
Entrepreneurship *		
EXPLORER COURSES : Choose one or more of the following courses	S.	
Business Communication 1 *	Interior Design 1 * +	
CAD Architectural Design 1 *	Marketing 1 *	
Digital Graphic Arts Intro *		
CONCENTRATOR COURSES: To be a concentrator you must pass t	the following course AND one explorer course.	
Interior Design 2 *		
COMPLETER COURSES: To be a completer you must pass a concer	ntrator course and enough courses to equal 3.0 credits in this Pathway.	
Interior Design 3		
Sewing Construction and Textiles 3		
CTE Internship	Credentials of Value	
POSTSECONDARY:		
Utah System of Higher Education: ushe.edu (Utah's public colleges ar	nd 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	2 Year	4 Year
Certificate	Associate Degree	Bachelor's Degree
N/A	> Photo Stylist	> Architect > CTE Teacher > Interior Designer > Sales Manager

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

