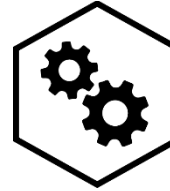


Utah Career and Technical Education Career Pathway Chart 2021-2022 School Year



Engineering
CAREER PATHWAY
Engineering & Technology
CAREER CLUSTER

Career Cluster: Engineering & Technology


Career Pathway: Engineering

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)		
Chemistry	Physics	Secondary Math 2
EXPLORER COURSES: Choose one or more of the following courses.		
CAD Archetecture Design 1*		
CAD Mechanical Design 1*		
Engineering Principles 1 +		
Engineering Technology		
Robotics 1 +		
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Robotics 2		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
Engineering Capstone		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: ushe.edu UtahMajors.org: Utah Majors Guide		
Utah System of Technical Colleges: utech.edu		

* 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-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> > Machine Operator > Production Technician 	<ul style="list-style-type: none"> > Electro-Mechanical Technicians > Electronics Equipment Assembler 	<ul style="list-style-type: none"> > Automation Engineer > CTE Teacher > Electrical Engineer > Electronics Drafter

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

Student Testimonial

"I have always liked doing hands-on projects and thinking of different ways to make something better. With the CTE classes I was able to see whole processes, from the design stage on paper to transferring that design and idea into a computer application, then all the way to building a prototype."

Hunter Okerlund
Fremont High School

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Engineering & Technology

UtahCTE.org: [Fact Sheet](#)

UtahFutures.org: [Occupation/Wage Search](#)

TSA

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

TSAweb.org | UtahTSA.org

[Utah TSA flyer](#)

