

Engineering CAREER PATHWAY

Engineering & Technology CAREER CLUSTER

College and Career Awareness		JUNIOR HIGH / MIDDLE SCHOOL				
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Exploring Technology						
SUPPORTING COURSES: Sug	ggested high school courses that su	pport the Career Pathway (0	Courses DO I	NOT count towards the Pathway)		
Chemistry	Physics	Physics		Secondary Math 2		
EXPLORER COURSES: Choose	se one or more of the following cours	ses.				
CAD Architectural Design 1 *	Engineering Principle	Engineering Principles 1 +		Plastics 1		
CAD Mechanical Design 1 *	Engineering Techno	Engineering Technology		Robotics 1 +		
CAM Automated Manufacturing	Machining 1 *	Machining 1 *		Robotics Technology		
Composites 1	Manufacturing Prince	Manufacturing Principles 1 +		Welding Technician, Entry Level *		
Electronics 1 * +	Metalworking 1	Metalworking 1		Woods 1		
CONCENTRATOR COURSES	: To be a concentrator you must pas	ss one of the following cours	es AND one	explorer course.		
Aerospace Engineering	Electronics 2 *	Electronics 2 *		Materials Science		
CAD Mechanical Design 2 *	Engineering Principle	es 2 *	Robotics 2_*			
COMPLETER COURSES: To b	pe a completer you must pass a con	centrator course and enoug	h courses to	equal 3.0 credits in this Pathway		
Electronics 3 *	Engineering Capstor	apstone		CAD Mechanical Design 3 *		
CTE Internship		Apprenticeship				
	e many options for education and tra					
	: ushe.edu (Utah's public colleges and			UtahMajors.org: Majors Guide		
, ,		,	otaniviajors.			
concurrent enrollment cours	e + recommended explorer cour	se				
HIGH SCI	HOOL TO POSTSECON	NDARY EDUCATIO		TRAINING		
	ptions for education and trainir					
		ig beyond nigh school,	depending			
er more	1-2 Year	2-Year		4-Year		
	Certificate	Associate Deg	gree	Bachelor's Degree		
	> Machine Operator	> Electro-Mechanical		> Automation Engineer		
		Technicians Electronics Equipment 		> CTE Teacher		
	> Production Technician			> Electrical Engineer		

Student Testimonial

"I would like a career as a manufacturing engineer and go on to pursue my own business in the manufacturing industry. CTE gave me experience for what my career will be like. CTE allowed me to work on the skills that I need to improve on in that specific area."

> Garret Maycock Future Manufacturing Engineer

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Engineering & Technology

UtahCTE.org: Fact Sheet

Department of Workforce Services Utah Occupational Explorer

TSA

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

TSAweb.org | UtahTSA.org

Utah TSA flyer



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