



Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Agricultural Mechanics Systems

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Agriculture, Intro		
HIGH SCHOOL		
SUPPORTING COURSES: Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
ASE Diesel IMMR	Construction Management 2	Plumbing 1
Carpentry 1	Electrician 1 *	Welding Technician, Intermediate *
EXPLORER COURSES: Choose one or more of the following courses.		
Agricultural Biotechnology	Biology-Agricultural Science	Industrial & Agriculture Technology
Agricultural Science 1	Business Communication 1 *	Unmanned Aerial Systems
Agricultural Science and Technology Application *	Business Communication 2	Welding Technician, Entry *
Agricultural Mechanics and Technology 1 +	Business Leadership 1 *	
Automotive, Introduction * +	Construction Trades Foundation * +	
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.		
Agricultural Mechanics and Technology 2		
COMPLETER COURSES: To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Agricultural Mechanics, Advanced *	Agricultural Machinery Technology	Welding Technician, Advanced *
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.			
	Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	> Hydraulic Technician > Maintenance Service Technician > Welder	> Agricultural Engineer Technician > Diesel Mechanic > Equipment Dealer Technician	> Agricultural Engineer > CTE Teacher > Welding Engineer

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.

Advice to Students

“Take as many CTE courses as you can. Take them early so that you can get a head start in your education. These classes help you to figure out what you really want to do in life.”

Dallon Clarke
 Future Diesel Technician

LEARN MORE ABOUT OCCUPATIONS AND WAGES

Agriculture, Food & Natural Resources

UtahCTE.org: [Fact Sheet](#)

Department of Workforce Services
[Utah Occupational Explorer](#)

FFA

is the Career and Technical Student (CTSO) Organization for students in the Agricultural Mechanics Systems Career Pathway.

[FFA.org](#) | [UtahFFA.org](#)
[Utah FFA flyer](#)

