




## Career Cluster: Agriculture

### 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, Intro* +	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: <a href="https://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		UtahMajors.org: <a href="#">Majors Guide</a>

\* 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
	<ul style="list-style-type: none"> <li>&gt; Hydraulic Technician</li> <li>&gt; Maintenance Service Tech.</li> <li>&gt; Welder</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer Tech.</li> <li>&gt; Diesel Mechanic</li> <li>&gt; Equipment Dealer Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer</li> <li>&gt; CTE Teacher</li> <li>&gt; Welding Engineer</li> </ul>

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

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

