



**Career Cluster: Agriculture**

**Career Pathway: Agricultural Mechanics Systems**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>		
College and Career Awareness		
Agriculture, Intro	Agriculture, Intro 2	
<b>HIGH SCHOOL</b>		
<b>SUPPORTING COURSES:</b> Suggested high school courses that support the Career Pathway (Courses DO NOT count towards the Pathway)		
ASE Diesel IMMR *	Plumbing 1	Residential Construction 2 *
Electrician 1 *	Residential Construction 1 *	Welding Technician, Intermediate *
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
Agricultural Biotechnology	Biology-Agricultural Science	Industrial and Agriculture Technology
Agricultural Science 1	Business Communication 1 *	UAS: Drones, Intro *
Agricultural Science and Technology Application *	Business Communication 2	Welding Technician, Entry *
Agricultural Mechanics and Technology 1 * +	Business Leadership 1 *	
Automotive, Intro * +	Construction Trades Foundation * +	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass the following course AND one explorer course.		
Agricultural Mechanics and Technology 2		
<b>COMPLETER COURSES:</b> To be a completer you must pass a concentrator course and enough courses to equal 3.0 credits in this Pathway.		
Agricultural Machinery Technology	Agricultural Mechanics, Advanced *	Welding Technician, Advanced *
CTE Internship	<a href="#">Apprenticeship</a>	
<b>POSTSECONDARY:</b> There are many options for education and training beyond high school.		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a> (Utah's public colleges and universities)		UtahMajors.org: <a href="#">Majors Guide</a>

\* concurrent enrollment course + recommended explorer course

<b>HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING</b>			
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](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)  
[Utah FFA flyer](#)

