




**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Agricultural Mechanics Systems**

JUNIOR HIGH / MIDDLE SCHOOL		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
CONCENTRATOR COURSES: To be a concentrator you must pass the following course AND one explorer course.		
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
POSTSECONDARY:		
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a>   UtahMajors.org: <a href="#">Utah Majors Guide</a>		
Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</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.			
	1-Year Certificate	2-Year Assoc. or Tech. Degree	4-Year Bachelor's Degree
		> Hydraulic Technician > Maintenance Service Technician > Welder	> Agricultural Engineer Technician > Diesel Mechanic > Equipment Dealer Technician

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

**Student Testimonial**

“The CTE classes I took in high school, such as agricultural systems and technology, animal science, and floriculture, have given me the basic skills, knowledge and abilities to allow me to obtain employment in any of those fields.”

Colton Zilles  
 Mountain Crest High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

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

**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](#)





**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Agricultural Production Systems**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>	
<b>HIGH SCHOOL</b>	
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.	
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\* 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.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	<ul style="list-style-type: none"> <li>&gt; Crop Scout</li> <li>&gt; Pesticide Handler/Applicator</li> <li>&gt; Storage and Hygiene Coord.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Engineer Tech.</li> <li>&gt; Sales Representative</li> <li>&gt; Slaughter/Processor</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Agricultural Inspectors</li> <li>&gt; CTE Teacher</li> <li>&gt; Farm/Ranch Manager</li> </ul>

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**Student Testimonial**

“My CTE classes and my leadership experience in 4-H and FFA have laid a strong foundation on which I can build upon. I have learned crucial values, including hard work, dedication, and responsibility. I plan to go to college to complete a teaching degree.”

Kaitlin Hallam  
 Spanish Fork High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

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

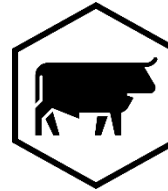
**FFA**

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

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)

[Utah FFA flyer](#)





**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Animal & Veterinary Science**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>		
<b>HIGH SCHOOL</b>		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
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<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
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Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</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.

	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Artificial Inseminator > Livestock Auctioneer > Shipping Coordinator	> Herdsman > Livestock Buyer > Veterinary Assistant/Technologist and Technician	> Animal Nutrition Specialist > CTE Teacher > Farm/Ranch Manager

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

**Student Testimonial**

"I took many CTE classes in high school that were beneficial in preparation for my college education to become a veterinary technician. I have a passion for animals and their well-being and want to pursue a career in agriculture."

Karlie Ault  
 American Fork High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

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

**FFA**

is the Career and Technical Student Organization (CTSO) for students in the Animal & Veterinary Science Career Pathway.

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





**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Food Science, Dietetics & Nutrition**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
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Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</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.

	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Food Protections Manager > Food Inspector Assistant > Food Sanitation Coordinator	> Research and Development Technician	> CTE Teacher > Dietitian/Nutritionist > Food Scientist

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

**Student Testimonial**

**“Participating in a CTE Internship** helped me to experience the reality of being a dietitian. I participated in a number of activities, including recipe construction, consultations, and food preparation.”

Melissa DeFriez  
 Sky View High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

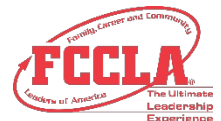
UtahFutures.org: [Occupation/Wage Search](#)

**FCCLA**

is the Career and Technical Student Organization (CTSO) for students in the Food Science, Dietetics & Nutrition Career Pathway.

[FCCLAinc.org](http://FCCLAinc.org) | [UtahFCCLA.org](http://UtahFCCLA.org)

[Utah FCCLA flyer](#)





**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Natural Resource Science**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
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\* 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.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	<ul style="list-style-type: none"> <li>&gt; Firefighter</li> <li>&gt; Heavy Equipment Operator</li> <li>&gt; Pesticide Handler/Applicator</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Arborist</li> <li>&gt; Fisheries Technician</li> <li>&gt; Forestry Technician</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Conservation Officer/Scientist</li> <li>&gt; Wildlife Biologist</li> </ul>

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

**Student Testimonial**

"I enrolled in all of the CTE courses in the Natural Resource Science Pathway. The courses added depth to my understanding. Summer Ag enhanced my practical knowledge in the field. All of this together helped me along my planned path to reach my personal and occupational goals."

Cache Bisel  
 South Summit High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

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

**FFA**

is the Career and Technical Student Organization (CTSO) for students in the Natural Resource Science Career Pathway.

[FFA.org](http://FFA.org) | [UtahFFA.org](http://UtahFFA.org)

[Utah FFA flyer](#)





**Career Cluster: Agriculture, Food & Natural Resources**

**Career Pathway: Plant Science**

<b>JUNIOR HIGH / MIDDLE SCHOOL</b>
<b>HIGH SCHOOL</b>
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.
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<b>COMPLETER COURSES:</b> To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.
<b>POSTSECONDARY:</b>
Utah System of Higher Education: <a href="http://ushe.edu">ushe.edu</a>   UtahMajors.org: <a href="http://UtahMajors.org">Utah Majors Guide</a>
Utah System of Technical Colleges: <a href="http://utech.edu">utech.edu</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.			
	<b>1-Year Certificate</b>	<b>2-Year Assoc. or Tech. Degree</b>	<b>4-Year Bachelor's Degree</b>
	> Crop Scout > Irrigation Specialist > Pesticide Handler/Applicator	> Arborist > Landscape Technician > Turf Manager	> CTE Teacher > Crop Advisor > Landscape Designer/Architect

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

**Student Testimonial**

"I took my first agriculture class, which everyone assumes is strictly about farm animals, and it introduced me to plant biology. The classes took place mostly in the school greenhouse, where I learned to grow plants and flowers from seeds. This is where I found my passion."

Madyson Smith  
 Sky View High School

**LEARN MORE ABOUT OCCUPATIONS AND WAGES**

**Agriculture, Food & Natural Resources**

UtahCTE.org: [Fact Sheet](#)

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

**FFA**

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

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

