



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

**Career Pathway: Plant Science**

JUNIOR HIGH / MIDDLE SCHOOL		
<a href="#">College and Career Awareness</a>		
<a href="#">Agriculture, Introduction</a>		
HIGH SCHOOL		
<b>EXPLORER COURSES:</b> Choose one or more of the following courses.		
Agricultural Biotechnology	<a href="#">Biology-Agricultural Science</a>	<a href="#">Leadership Principles 1</a> *
<a href="#">Agricultural Science 1</a>	<a href="#">Business Communication 1</a> *	<a href="#">Plant and Soil Science 1</a> * +
Agricultural Science and Technology Application *	<a href="#">Business Communication 2</a>	
<b>CONCENTRATOR COURSES:</b> To be a concentrator you must pass one of the following courses AND one explorer course.		
<a href="#">Floriculture</a>	Landscape Architecture, Intro	<a href="#">Plant and Soil Science 2</a>
<a href="#">Floriculture and Greenhouse Mgmt.</a>	<a href="#">Nursery Operation</a>	Sustainable Urban Agriculture
<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.		
<a href="#">Greenhouse Management</a>		
<a href="#">Landscape Management</a> *		
CTE Internship		
POSTSECONDARY:		
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

HIGH SCHOOL TO POSTSECONDARY EDUCATION AND TRAINING			
There are several options for education and training beyond high school, depending on your career goals.			
	1-2 Year Certificate	2-Year Associate Degree	4-Year Bachelor's Degree
	<ul style="list-style-type: none"> <li>&gt; Crop Scout</li> <li>&gt; Irrigation Specialist</li> <li>&gt; Pesticide Handler/Applicator</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Arborist</li> <li>&gt; Landscape Technician</li> <li>&gt; Turf Manager</li> </ul>	<ul style="list-style-type: none"> <li>&gt; CTE Teacher</li> <li>&gt; Crop Advisor</li> <li>&gt; Landscape Designer/Architect</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 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."

Madysen Smith  
 Sky View High School

**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 Organization (CTSO) for students in the Plant Science Career Pathway.

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

[Utah FFA flyer](#)

