



**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 enough courses to earn 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.			
	<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](#)

Utah 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](#)

