



Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Plant Science

JUNIOR HIGH / MIDDLE SCHOOL		
College and Career Awareness		
Agriculture, Food and Natural Resources		
HIGH SCHOOL		
EXPLORER COURSES: Choose one or more of the following courses.		
Agricultural Biotechnology	Biology-Agricultural Science	Leadership Principles 1 *
Agricultural Science 1	Business Communication 1 *	Plant and Soil Science 1 * +
Agricultural Science and Technology Application *	Business Communication 2	
CONCENTRATOR COURSES: To be a concentrator you must pass one of the following courses AND one explorer course.		
Floriculture	Landscape Architecture, Intro	Plant and Soil Science 2
Floriculture and Greenhouse Mgmt.	Nursery Operation	Sustainable Urban Agriculture
COMPLETER COURSES: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway.		
Greenhouse Management		
Landscape Management *		
CTE Internship		
POSTSECONDARY:		
Utah System of Higher Education: ushe.edu UtahMajors.org: Utah Majors Guide		
Utah System of Technical Colleges: utech.edu		

* 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
	> 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 | UtahFFA.org
[Utah FFA flyer](#)

