



Agriculture and Environmental Systems Career Pathway

Certificate

Associate Degree,
Food Science

Bachelor's Degree,
Agricultural and Food
Products Processing



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.

Ohio In-demand Occupations

Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.



Agriculture and Environmental Systems Career Pathway

Secondary Pathway: **Food Science and Technology**

Postsecondary Program: **Food Science and Technology**

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Science and Technology of Food	Ag, Food, & Natural Resources	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Applications of Food Science & Safety	World Languages	
	11	English III	Algebra II	Chemistry	U.S. History	Meat Science/ Genetics	Principles & Practices of Bioscience	World Languages	
	12	English IV	Trigonometry/ Calculus	Anatomy & Physiology	U.S. Government	Food Marketing & Research	A&E Capstone	Agriculture Communication & Leadership	
Postsecondary	Year 1 1st Semester	English Composition	Food Science	Chemistry I	Human Nutrition	Anatomy & Physiology			
	Year 1 2nd Semester	Public Speaking	Food Safety	Chemistry II	Biology I	Food Regulations	Psychology		
	Year 2 1st Semester	Ethics	College Algebra	Advanced Food Science	Microbiology	Sensory Evaluation	Seminar		
	Year 2 2nd Semester	Product Development	HACCP Safety Training	Food Chemistry	Product Processing	Food Production			

High School Career-Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.

Course titles and sequences will vary between schools.

6/2015