



# 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](http://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](http://education.ohio.gov/CareerConnections) for reference information.

Course titles and sequences will vary between schools.

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