Agriculture and Environmental Systems Pathway Model

Certificate, ServSafe ★ | **Associate Degree, Food Processing** ★ | **Bachelor's Degree, Food Science** ★

Start Pre-Agriculture
As early as grade 7
(based on readiness)

Workplace Visits
Job Shadow
Internship
Work

Food Preparation Worker
Salary: $20,945
Job Growth (10 yr): 6.1%
Annual Openings: 1031
Average Tuition: $0 - 4,000

Supervised Experience

Work

Food Service Supervisor 👍
Salary: $35,540
Job growth (10 yr): 6.5%
Annual openings: 898
Average Tuition (2 yr): $7,600

Supervised Experience
Internship

Work

Food Scientist 👍
Salary: $67,180
Job growth (10 yr): 3.5%
Annual openings: 25
Average Tuition (4 yr): $39,700

Internship

Work

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.

Agriculture and Environmental Systems Pathway Model

Secondary Pathway: **Food Science and Technology** Postsecondary Program: **Agriculture and Environmental Systems**

Courses with Secondary and Post-Secondary Credits

Secondary	**7 8**	English	Algebra I	Science	Social Studies	Fine Arts	Science and Technology of Food	Ag, Food, & Natural Resources	
	9 10	English	Geometry	Biology	US History	Health (.5) PE (.5)	Applications of Food Science & Safety	Principles & Practices of Bioscience	
	11	English	Algebra II	Chemistry	US Government & Economics	Foreign Language	Meat Science/ Genetics		
	12	English	Trigonometry	Physics	Psychology	Foreign Language	Food Marketing & Research	A&E Capstone	Agriculture Communication & Leadership
Post-Secondary	**Year 1 1st Semester**	English	Agriculture Survey	Soil Science	Animal Agriculture				
	Year 1 2nd Semester	English	Technical Math	Biology	Soil Fertility	Agri-Business Co-Op Experience			
	Year 2 1st Semester	Public Speaking	Sales & Sales Management	Agriculture Business Management	Plant Pests	Crop Production			
	Year 2 2nd Semester	Agriculture Capstone Seminar	Integrated Pest Management	Ag Marketing & Trade	Equipment Management	Humanities/ Social Science Elective			

High School CTE Program Courses

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

Required Courses

Recommend Electives

Visit education.ohio.gov/CareerConnections for reference information

5.2014