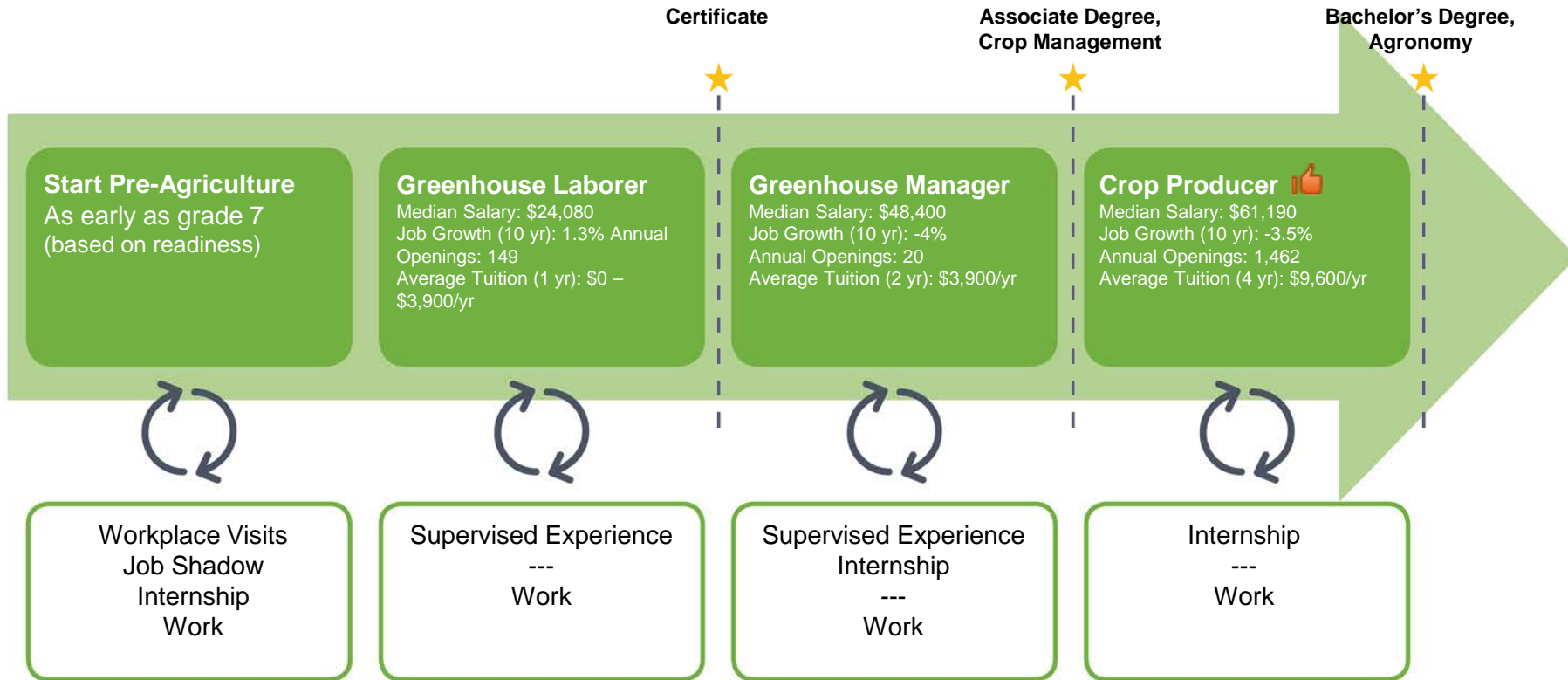




Agriculture and Environmental Systems Career Pathway



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: Horticulture

Postsecondary Program: Horticultural Science

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Ag, Food, & Natural Resources	Animal & Plant Science	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Greenhouse & Nursery Management	Agronomic Systems	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	Business Management	World Languages		
	12	English IV	Trigonometry/ Calculus	Anatomy & Physiology	U.S. Government	Ag Econ, International/ Commodities	A&E Capstone		
Postsecondary	Year 1 1st Semester	English I	Soil Science	Agriculture Survey	Animal Agriculture				
	Year 1 2nd Semester	English II	Technical Math	Biology	Soil Fertility	Ag Elective	Agri-Business Co-Op		
	Year 2 1st Semester	Public Speaking	Sales Management	Business Management	Plant Pests	Crop Production			
	Year 2 2nd Semester	Agriculture Seminar	Ag Marketing & Trade	Pest Management	Equipment Management	Humanities/ Social Science Elective			

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.

11/2014