

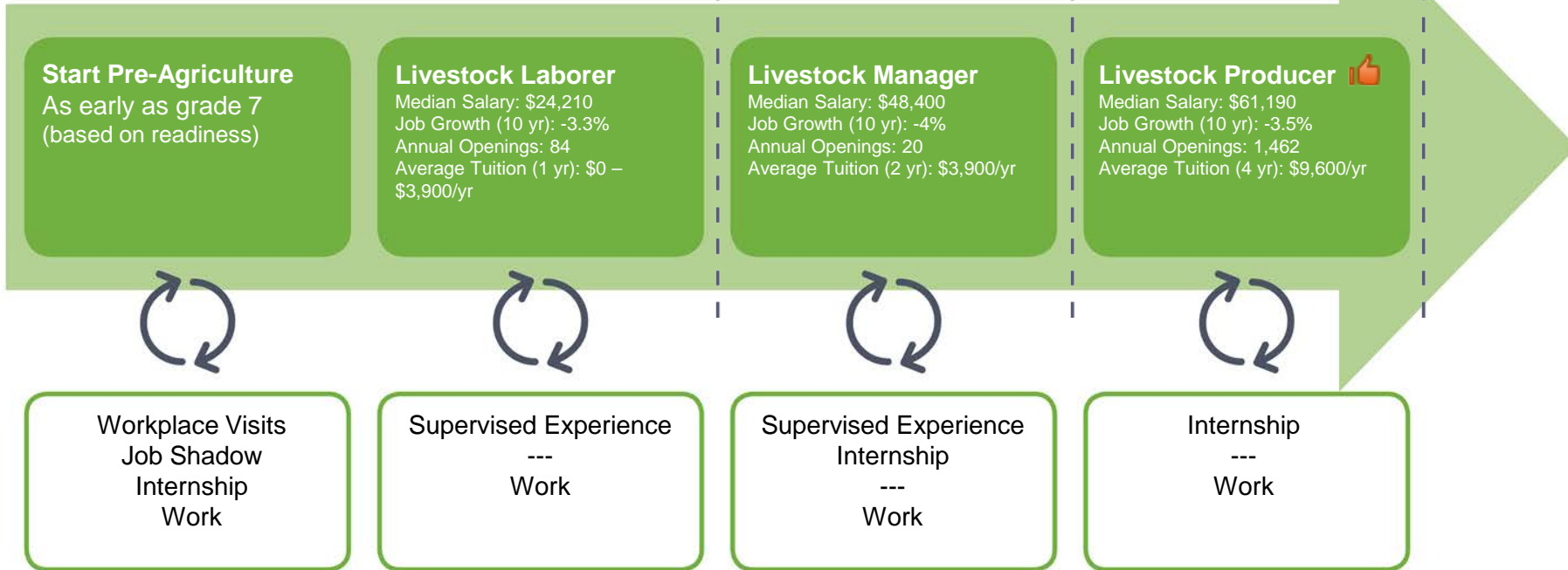


Agriculture and Environmental Systems Career Pathway

Certificate

Associate Degree,
Agricultural Business

Bachelor's Degree,
Agricultural Systems
Management



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: **Animal Science and Management**

Postsecondary Program: **Livestock Management**

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Animal & Plant Science	Ag, Food, & Natural Resources	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Livestock Selection, Nutrition, & Mgt	World Languages	
	11	English III	Algebra II	Chemistry	U.S. History	Animal Health	World Languages		
	12	English IV	Trigonometry/ Calculus	Animal Anatomy & Physiology	U.S. Government	Business Management	A&E Capstone		
Postsecondary	Year 1 1st Semester	Technical Writing	Technical Math	Biology	Computer Applications	Introduction to Animal Production	Livestock Operations Management		
	Year 1 2nd Semester	Economics	Humanities Elective	Animal Anatomy & Physiology	Reproductive Management	Livestock Health	Livestock Selection & Evaluation	Agri-Business Co-Op Experience	
	Year 2 1st Semester	Business Communication	Social Science Elective	Records & Analysis	Operations Leadership	Animal Nutrition	Manure Management	Elective	
	Year 2 2nd Semester	Reproduction & Marketing Leadership	Livestock Genetics	Small Animal Production	Ruminant Nutrition	Farm Business Management	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