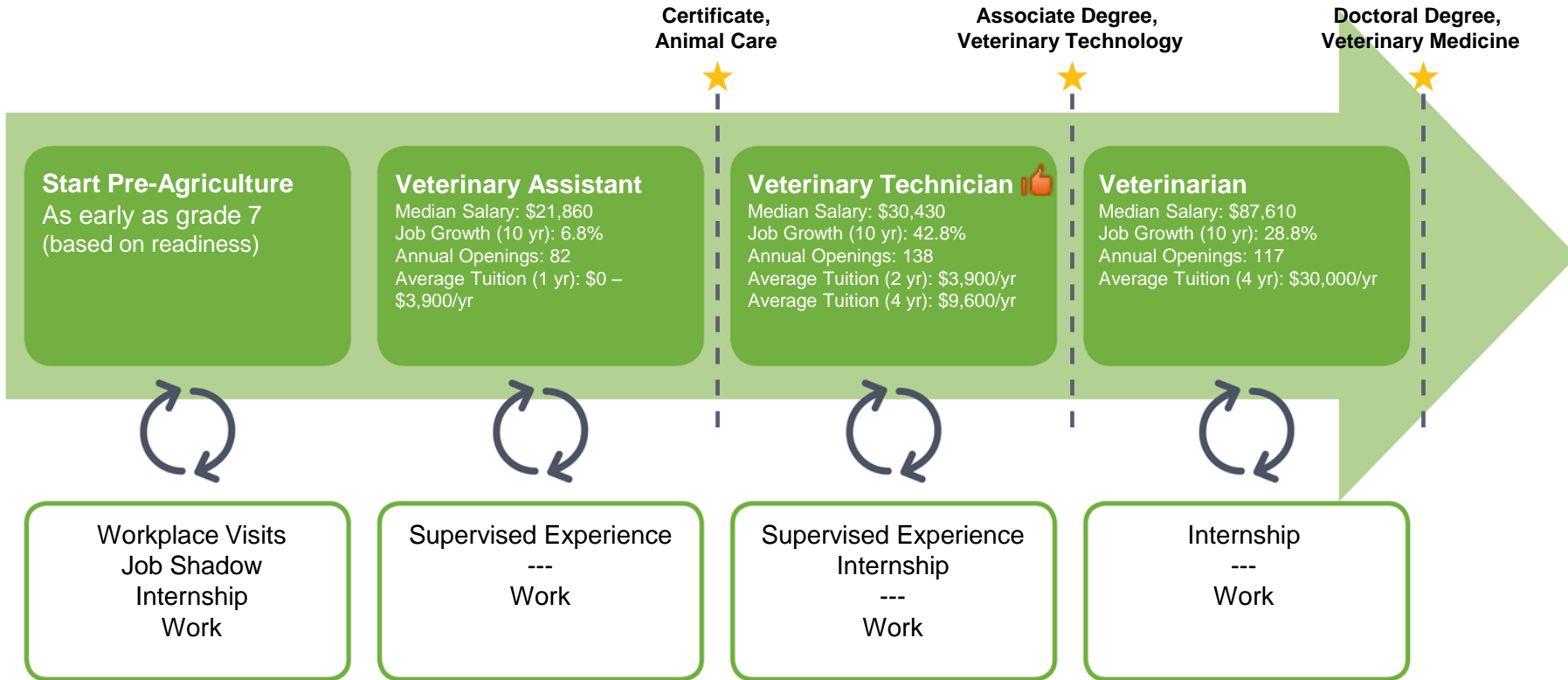




# Agriculture and Environmental Systems Career Pathway



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](http://ohiohighered.org).



# Agriculture and Environmental Systems Career Pathway

Secondary Pathway: **Animal Science and Management**

Postsecondary Program: **Veterinary Technology**

## An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Animal Science & Technology	Ag, Food, & Natural Resources	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Animal 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	Veterinary Science	A&E Capstone		
Postsecondary	Year 1 1st Semester	College Seminar	Algebra II	Anatomy & Physiology I	Anatomy & Physiology II	Small Animal Medicine	Veterinary Parasitology	Social Science Elective	
	Year 1 2nd Semester	Interpersonal Skills	Clinical Pathology I	Veterinary Anatomy & Physiology	Advanced Medical Terminology	Veterinary Radiography	Veterinary Anesthesia	Veterinary Surgical Techniques	
	Year 2 1st Semester	English Composition I	Ethics	Biochemistry	Veterinary Nutrition	Animal Medicine	Small Animal Health & Disease	Clinical Applications I	
	Year 2 2nd Semester	Clinical Pathology II	Veterinary Pharmacology	Large Animal Health & Disease	Veterinary Seminar I & II	Veterinary Practicum I & II	Humanities Elective	Clinical Applications II & III	

### 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.

10/2015