



Business & Industry Endorsement Agriculture, Food, and Natural Resources

Animal Science

The Animal Science program of study focuses on the science, research and business of animals and other living organisms. It teaches students how to apply biology and life science to real-world processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life.

Levels	Courses	
Level 1	Principles of Agriculture, Food & Natural Resources 9	
Level 2	Small Animal Management (semester) Equine Science (semester) 10 <i>Courses must be taken in the same school year</i>	
Level 3	Advanced Animal Science 11 <i>Prerequisite: Biology, Chemistry or IPC, Algebra 1 and Geometry, AND Small Animal/Equine Science</i> 4th Science Credit Available	
Level 4	Veterinary Medical Applications 11-12 <i>Prerequisite: Small Animal/Equine Science or Livestock Production AND Selection Process</i> +Certified Veterinary Assistant, Level 1	Practicum in Agriculture, Food & Natural Resources 12

Occupation	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,135	28	9%
Animal Scientists	\$57,533	22	12%
Medical Scientists	\$63,898	435	27%
Veterinarians	\$93,496	294	24%
Zoologists & Wildlife Biologists	\$67,309	45	32%

Industry Based Certifications

+Certified Veterinarian Assistant, Level 1

Veterinary Medical Applications

Students that take this certification will have to demonstrate basic skills and competencies required for animal care and assistance. This certification requires 300 internship hours in an animal care setting and 200 with the teacher.

To earn a CTE endorsement, students must take a minimum of 3 classes for 4 or more credits in the same Program of Study, and must end with one Level 3 or Level 4 CTE course.