

ANIMAL SCIENCE

AGRICULTURE SCIENCE AND STUDIES



Recommended Courses

9th Grade: Principles of Agriculture, Food & Natural Resources

10th Grade: Livestock Production

11th Grade: Small Animal Production; and/or Wildlife Fisheries & Ecology Management

12th Grade: Veterinary Medical Applications; and/or Practicum in Agriculture

Other Courses to take:

Principles & Elements of Floral Design

Advanced Animal Science or Advanced Plant and Soil Science (also counts as **4th year Science Credit**)

Mathematical Applications in Agriculture, Food & Natural Resources (also counts as **4th year Math Credit**)

Course Descriptions

Principles of Agriculture, Food & Natural Resources - This course provides an overview of basic knowledge related to the agriculture industry. Students will be prepared to choose an agriculture pathway aligned to their educational and career goals at the end of their freshman year.

Livestock Production - This course focuses on the production of traditional livestock. Students will learn about beef and dairy cattle production, sheep production, and swine production. Students will understand the importance of healthy animals, appropriate nutrition, and marketing of livestock.

Small Animal Management - Nontraditional agricultural animal management is the focus of this course. Students will learn about the management of dogs, cats, aquatic animals, and poultry. Understanding the proper care of all animals and the roles they play in our society will be emphasized.

Wildlife, Fisheries & Ecology Management - Students will prepare for careers involving natural resource systems. This course explores the management of wild game and non-wild game species, fish, and aquaculture crops such as strawberries and lettuce, and their environment needs as related to agricultural practices in our community.

Veterinary Medical Applications - Prepare to explore careers related to veterinary science. Students will study large and small animals, different types of illnesses, and practices that veterinarians use daily in the workplace.

Practicum in Agriculture, Food & Natural Resources - The Practicum is designed to provide students with supervised, practical, on-the-job experience. Practicum experiences can occur in a variety of places appropriate to the area of agriculture career, such as employment in a related industry, independent study course, internships on campus and assistantships.