

PLANT SCIENCES

AGRICULTURE SCIENCE AND STUDIES



Recommended Courses

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

10th Grade: Principles & Elements of Floral Design

11th Grade: Horticulture Science

12th Grade: Practicum in Agriculture, Food & Natural Resources

Other Courses to take:

Principles & Elements of Floral Design

Advanced Animal Science or Advanced Plant and Soil Science (also counts or 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.

Principles & Elements of Floral Design - This course is designed to prepare students for a career in floral design. The knowledge and skills related to horticulture systems will provide students practical experience by creating floral arrangements, such as mums and centerpieces, for school and community events.

Horticulture Science - In this course, student will learn the science behind successful plant growth and environmental management and apply their knowledge to a practical experience. Students will plant, maintain and harvest the campus produce garden and sell their produce to community members.

Advanced Plant and Soil Science - Plant and Soil Science provides a way to learn about the natural world. In this course, students will participate in at least 40% investigations, lab experiments and field exercises. Using the plant and soil science knowledge, students will be able to advance their basic horticulture knowledge and explore careers in the food and fiber industry.

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.