



Plant Science Program of Study

Prepare for your future in horticulture and plant science by gaining hands on experience working with live plants while also earning your Texas Department of Agriculture Pesticide Application License.

RECOMMENDED COURSE SEQUENCE

1 Principles of Agriculture, Food & Natural Resources (1 credit) (9th - 10th Grade)
This course is designed to prepare students for careers in agriculture, food, and natural resources and introduces the basics of global agriculture. Students are encouraged to participate in their campus chapter of FFA.

2 Floral Design (1 credit) (9th - 10th Grade)
Practice basic techniques of floral design in this project-based class with many large and small projects used to evaluate the progress of the student. Students develop a variety of hands-on skills needed in the floral industry.

3 Greenhouse Operations & Agricultural Lab and Field Experience (TCC Northwest) (2 credits) (11th - 12th Grade)
Students develop an understanding of common horticulture management practices as they relate to food and ornamental plant production.

4 Horticulture & Advanced Plant and Soil* (TCC Northwest) (2 credits) (12th Grade)
Students build on their understanding of common horticulture management practices as they relate to food and ornamental plant production as they prepare for careers in the plant and soil sciences. Successful completion of the Plant Science Program of Study results in qualification through TCC to sit for the Texas Department of Agriculture Pesticide Application License.

For more information about CTE Course requirements, view our EMS ISD Course Description Handbook.

*Indicates a TEA approved Advanced CTE Course