

Agricultural Environmental Science CTE Program

Horticulture Science

Course Code: 1 Credit

Prerequisite: None Course Fee: \$20

Horticulture Science introduces students to plants, facilities, tools, and techniques used in the horticulture industry. Topics covered in this course include plant physiology and propagation, growth requirements, facilities, horticulture crop production, pest management, and technological applications. Students will complete the Landscape Design and Plant Materials Certification credential as a part of this course. Membership in the Auburn FFA Chapter is highly encouraged for this course. FFA is a national organization that provides students with opportunities to compete in contests, take part in service learning, build leadership skills, explore a variety of careers, and pursue scholarships.

Turfgrass Management

Course Code: 1 Credit

Prerequisite: None Course Fee: \$20

Turfgrass Management prepares students to install and maintain turfgrass in a variety of settings. Topics in Turfgrass Management include turfgrass identification, establishment, maintenance, tools and equipment, and business management. Students enrolled in the course will explore local applications of turf management and will complete the Turfgrass Management Certification credential. Membership in the Auburn FFA Chapter is highly encouraged for this course. FFA is a national organization that provides students with opportunities to compete in contests, take part in service learning, build leadership skills, explore a variety of careers, and pursue scholarships.

Plant Biotechnology

Course Code: 1 Credit

Prerequisite: Horticulture Science Course Fee: \$20

Plant Biotechnology familiarizes students with botany and plant biotechnology. Topics include plant classification, plant cells and tissues, plant nutrient needs, responses to stimuli, plant diseases, biotechnology advancement, and applied genetics and biotechnology concepts. Hands-on lessons and labs will provide students with opportunities to engage in the scientific process and demonstrate critical thinking skills. Membership in the Auburn FFA Chapter is highly encouraged for this course.

Forestry

Course Code: 1 Credit

Prerequisite: None Course Fee: \$20

This course is designed to inform students about forestry management, woodlands conservation, and wood technology. Topics include safety, history, dendrology, silviculture practices, protection of forests, forestry equipment, forest products and marketing, tree measurement, and mapping. Students will complete the Forestry Worker Certification

credential as a part of this course. Membership in the Auburn FFA Chapter is highly encouraged for this course. FFA is a national organization that provides students with opportunities to compete in contests, take part in service learning, build leadership skills, explore a variety of careers, and pursue scholarships.