

7105 Principles of Agriculture, Food & Natural Resources

Credit: 1

Prerequisite: None

Agriculture is not just “cows, sows and plows”. Discover how plant and animal science are a vital part of our lives. Research which laws, regulations, and policies are in place to bring food safely from the field to your table. Learn leadership, record-keeping skills and have the opportunity to raise an animal as a FFA member.

7148 Floral Design (7153 for Fine Arts Credit)

Credit: 1

Prerequisite: Principles of Agriculture, Food & Natural Resources

Do you want to learn to design a variety of floral arrangements including corsages, boutonnieres and centerpieces? This course involves elements of color theory, tools of the trade, handling and flower identification as well as the analysis of artistic floral styles. Learn more about the floral industry while earning your Fine Arts credit, and you may also look forward to becoming certified through the Texas State Floral Association.

7149C Horticultural Science

Credit: 1

Prerequisite: Floral Design Are you interested in plants and how they grow? Dive deeper into the world of plants by learning more about food and ornamental plant production. From pests and pesticide safety for fruit, nut and vegetable production, marketing and management to basic plant physiology and design, this class will lay the foundation for your budding plant studies and career opportunities. This course can earn college credit based on Articulation agreements, which are subject to change.

7147C Landscape Design and Management

Credit: .5

Prerequisite: Horticultural Science Do you want to learn to identify, install and care for landscape plants, tools and irrigation systems? This course involves understanding all of the landscape design and management techniques, safety practices, proper pruning, fertilization and pest management in the landscape. Business procedures will be taught including interviewing, cost estimates, scheduling and service contracts. This course can earn college credit based on Articulation agreements, which are subject to change.

7151C Turf Grass Management

Credit: .5

Prerequisite: Horticultural Science From your lawn to athletic fields, turf grass is an important aspect of our urban landscape. This course will focus on growth and maintenance of turf areas including: grass and related ground cover, soil texture for drainage and pH for nutrient requirements, plant propagation (transplant), water needs and storage of equipment. Identify prospective customers, analyze site, materials, labor and other key factors needed for a successful turf management business. Prepare cost estimate, contracts and maintenance schedules. This course can earn college credit based on Articulation agreements, which are subject to change.

3973W Advanced Plant and Soil Science

Credit: 1

Prerequisite: Horticultural Science; Recommended Biology; IPC, Chemistry or Physics.

Complete your pathway by digging deeper into the Plant and Soil Sciences Industry through laboratory and field investigations in the areas of habitats and ecosystems, soil formation/genesis as well as environmental systems and conservation. Additional areas of study include hydroponics, watersheds, crop production, plant form and function, and genetics. Industry certification testing will be available for Wastewater Collections and Water Operators to all students meeting testing criteria; see teacher for these details. This course is a Career and Technical Education funded course, and requires 40% laboratory and fieldwork requirements.