

Agricultural Environmental Sciences CTE Program

Agriscience

Course Code: TBD

1 Credit

Prerequisite: None

Course Fee: \$20

Agriscience provides students with a sampling of all aspects of agriculture. Students will study in the areas of plant science, soil science, animal science, building construction, electrical technologies, basic plumbing, forestry, wildlife sciences and more. Agriscience is the course that allows students to explore the agriculture industries while learning about the different career options in the largest field of employment in Alabama. Students will also have the option to join the largest youth-led student organization in the nation. Students will be exposed to the opportunity to gain their Beef Quality Assurance Career Readiness Indicator along with their NCCER Core Curriculum Career Readiness Indicator. Some labs include: Edible soil horizons, animal science taste test—food science, growing vegetables, building construction projects, and many more. Students will be asked to use power tools, hand tools, and participate in labs that are outside.

Fish and Wildlife Management

Course Code: TBD

1 Credit

Prerequisite: None

Course Fee: \$20

Fish and Wildlife Management provides students the exposure to natural resource management. Student dive into the concepts of hunter safety, hunting laws, and Quality Deer Management. Students also will learn to identify animals that are native to Alabama. Other topics that are covered include endangered species, invasive species, and diseases that affect the wildlife in our area. Labs that students will complete are: Identifying scats and tracks, Tracking a wounded animal, plus more. Students will also learn to compete in NASP which is an archery program. Students will be asked to participate in archery during class. Students will be asked to use power tools, hand tools, and participate in labs that are outside. The Career Readiness Indicator for this course is Hunter Safety Education Certification.

Forestry

Course Code: TBD

1 Credit

Prerequisite: Agriscience or Fish and Wildlife Management

Course Fee: \$20

Forestry is one of the largest industry sectors in Alabama. Students in this class should expect to learn to ID trees that are found in Alabama, invasive species, tree measurement, timber cruising,

Best Management Practices, and more. Students will spend a lot of this class outdoors. They will learn to determine if a tree is marketable, different harvesting methods, and common diseases and pests. Students will be asked to use power tools, hand tools, and participate in labs that are outside. Students will receive their Forestry Worker Career Readiness Indicator. This will allow students to go on to the Forestry Worker Training Institute to receive certification in heavy equipment operating.

Urban Forestry

Course Code: TBD

1 Credit

Prerequisite: Forestry

Course Fee: \$20

Urban Forestry allows students to see a different aspect of the forestry industry. Students will learn how to manage and grow trees in an urban setting. Urban forestry is not just for growing and managing trees in bigger cities, but also in the private sector. Students will learn climbing techniques as well as making decisions for landscaping decisions. Students will earn their Urban Forestry Technician Certification in this class. This is part of the International Society of Arboriculture. Labs Include: Tree climbing, management plans, landscape plans, and more. Students will be asked to use power tools, hand tools, and participate in labs that are outside.