

Dendrology

Dendrology is a one-credit course which is designed to enable the student to become knowledgeable in the physiology, ecology, silviculture, scientific nomenclature, taxonomy, identification and use of common woody plants of Alabama. This includes native, non-native, threatened/endangered and invasive species and trees, shrubs and woody vines.

Career and technical student organizations are integral, cocurricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Content Standards

1. Students will explain the scientific method of classifying and naming plants.
2. Students will explain the difference in a tree, a shrub and a vine, and classify plants as one of the three when given examples and characteristics.
3. Students will identify and explain the function of the major parts of the leaves, twigs, roots and stems of woody plants.
4. Students will explain the concept of compartmentalization of decay in woody plants.
5. Students will give the basic habitat requirements and range for each species.
6. Students will classify each plant as native, non-native or invasive.
7. Students will give the management and control methods for each invasive species.
8. Students will give the intended use and method of dispersal for each intentionally introduced invasive species. For accidentally introduced invasive species, students will give the method of introduction and dispersal.
9. Students will list the major endangered/threatened species of Alabama woody plants and will give the causes for their endangered/threatened status.
10. Students will give the type of fruit for each species.
11. Students will use a dichotomous key to identify the major species in the field.
12. Students will identify the major species by common and scientific names in the field without a key.
13. Students will identify the major commercial tree species by viewing the log alone.
14. Students will identify the major commercial species by a sample of wood alone.