

Animal Science CTE Program

Aquaculture Science

Course Code: TBD

1 Credit

Prerequisite: None

Course Fee: \$20

This course introduces students to practical applications of both physical and biological concepts and various skills related to the production of aquatic species both freshwater and marine. While aquaculture is the cornerstone of this course, the program places heavy emphasis on encouraging critical thinking, use of the scientific method, integration of technology, and the development of student leadership skills by placing great emphasis on project-based learning. All students enrolled in this course will complete the Aquaculture Training and On-Line Learning (ATOLL) credential. Students enrolled in the aquaculture program are eligible for membership in the Auburn FFA chapter. This career and technical student organization is an integral, co-curricular component of the program that serves to help students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Aquatic Biology

Course Code: TBD

1 Credit

Prerequisite: Aquaculture Science

Course Fee: \$20

This course explores the aquaculture industry as it relates to biology. Major topics include the following: career opportunities, safety, history, aquatic species, water management, health and sanitation, biotechnology, and critical aquaculture issues. While aquaculture is the cornerstone of this course, the program places heavy emphasis on encouraging critical thinking, use of the scientific method, integration of technology, and the development of student leadership skills by placing great emphasis on project-based learning. Membership in the Auburn FFA chapter is highly recommended.

Introduction to Veterinary Science

Course Code: TBD

1 Credit

Prerequisite: None

Course Fee: \$20

This course introduces students to various fields of animal science. Major topics include the following: animal rights vs animal welfare, veterinary terminology, anatomy/physiology, clinical exams, laboratory techniques, nutrition, disease, and animal management. The program places heavy emphasis on encouraging critical thinking, use of the scientific method, integration of technology, and the development of student leadership skills by placing great emphasis on project-based learning. Membership in the Auburn FFA chapter is highly recommended.

Veterinary Science

Course Code: TBD

1 Credit

Prerequisite: Introduction to Veterinary Science

Course Fee: \$20

This course is designed to prepare students for entry-level employment or for advanced training as veterinary assistants. Topics include career opportunities, safety, reproduction and genetics, hormones and growth disorders, animal anesthesia and basic surgery procedures, health and management, business management practices, and applications of technology. The program places heavy emphasis on encouraging critical thinking, use of the scientific method, integration of technology, and the development of student leadership skills by placing great emphasis on project-based learning. Membership in the Auburn FFA chapter is highly recommended.