

## Animal Science CTE Program

Career Tech Student Organization: Future Farmers of America (FFA)  
 Career Readiness Indicator Credential: ATOLL, Beef Quality Assurance

### Aquaculture Science

Course Code: 18306G1002

1 Credit

Prerequisite: None

Course Fee: \$20

In Aquaculture Science, students are introduced to practical applications of both physical and biological concepts and skills through experiential learning opportunities. While aquaculture is the cornerstone of this course, the program places heavy emphasis on integration of knowledge to solve problems and broaden depth of understanding about water chemistry and management, aquaculture systems, aquatic biology, and health and sanitation. 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: 18306G1003

1 Credit

Prerequisite: Aquaculture Science

Course Fee: \$20

Aquatic Biology explores the aquaculture industry as it relates to biology. Emphasis is placed on scientific concepts involving the use of microscopes and the conversion of unit measurements. Topics include history, aquatic species, water management, health and sanitation, biotechnology, and 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: 18105G1012

1 Credit

Prerequisite: None

Course Fee: \$20

Introduction to Veterinary Science is designed to familiarize students with the scope, content, and opportunities of the veterinary science profession. Topics include safety, animal welfare, veterinary calculations, animal breed identification, anatomy and physiology, animal health, and laws and regulations. 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.



CAREER TECHNICAL EDUCATION  
 AUBURN CITY SCHOOLS

Veterinary Science	
Course Code: 18105G1022	1 Credit
Prerequisite: Introduction to Veterinary Science	Course Fee: \$20
<p>Veterinary Science is designed to prepare students for entry-level employment or for advanced training as veterinary assistants. Topics include safety, medical terminology, scientific classification, health and disease, anatomy and physiology, applied clinical mathematics, anesthesiology and basic surgical procedures, business management practices, veterinary law and ethics, 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.</p>	