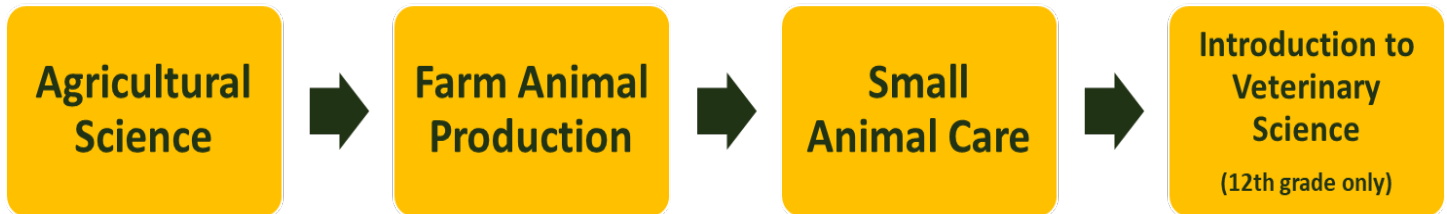


# Veterinary Science



## Agriculture Science

The Agricultural Science and Technology course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience.

Typical learning activities include hands-on learning experiences including performing basic principles of plant, soil, and animal science; studying and modeling the significance of humankind's inter-relationship with soil, water, and air; participating in FFA activities.

## Farm Animal Care

### Prerequisites: Agriculture Science

The Farm Animal Production course is designed to teach technical knowledge and skills for entry-level positions in an animal production enterprise by developing competencies concerning the selection, breeding, physiology, nutrition, health, housing, feeding, and marketing of farm animals.

Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

## Small Animal Care

**Prerequisites: Agriculture Science; acceptance to the Veterinary Science STEM Major**

The Small Animal Care course is designed to teach technical knowledge and skills for occupations in the pet industry or the companion animal industry. Skills also relate to the veterinarian or the veterinarian technician career field.

Typical instructional activities include hands-on experiences with cats, dogs, rabbits, fish, etc. participating in personal and community leadership development activities; and planning a relevant school to work transition experience.

## Veterinary Science

**Prerequisites: Agriculture Science; Small Animal Care and Farm Animal Care with an 80 or higher**

Animal and veterinary sciences are not limited to the care of domesticated animals such as dogs, cats, birds, reptiles, or other exotic animals. Often, individuals who work with animals work with animals from business perspective. South Carolina has multiple animal production companies, which raise and prepare animals to provide South Carolinians with a local, reliable, nutritious meat source.

Animals are used regularly in agricultural settings, which requires individuals with specific training to be employed to care for these animals.

The state of South Carolina and many local governmental entities also employ individuals with animal or veterinary science knowledge and skills. Some of these individuals work as park rangers, field scientists, zoo keepers, police dog trainers, and the list continues.

In 2006, poultry was the second largest export agricultural export from South Carolina. It was second only to cotton. The poultry export in the was approximately \$83 million!

South Carolina has a long history of producing high quality agricultural products. As the state of South Carolina continues its progression into the future, you can rest assured that animals and those who care for them will be critical to the state's success.