Animal Sciences students focus on the biology of domesticated animals, including cattle, swine, sheep, horses, poultry, and goats, as well as discoveries in animal biologics and meat derived from the traditional meat animal species. Some attention is directed toward the companion animal species, including dogs and cats. The major emphasizes integration of biological principles from the gene to the organ to the herd or flock. Core courses in the major include animal breeding, veterinary genetics, animal physiology, reproductive physiology, comparative animal nutrition, animal health, and meat science. Additional courses include career orientation, animal handling, assessing animal welfare, biology of companion animals, composition of meat animals, human/animal symbiosis, ruminant nutrition, monogastric nutrition, beef cattle production, swine production, animal growth and development, and livestock production in agricultural development.

The major offers a science track which includes biochemistry, math, physics, and organic chemistry for students with interests in postgraduate work in veterinary medicine, animal science, medicine, or other graduate programs. The major also offers a business emphasis which includes economics, accounting, marketing, farm management, commodity markets, agricultural finance, and other courses from the School of Business.

A student majoring in Animal Sciences is placed in the Bachelor of Science degree program. Completion of the degree program in four years is the norm.