

ANIMAL SCIENCE SPECIALIZATIONS

The specializations below must include 20-23 units of courses relevant to their specified discipline or species. All selected courses must receive approval from the student's assigned faculty advisor in order for the specialization to be established for graduation. Courses must be upper division except in cases where lower divisions are approved as stated in the General Catalog. Handouts available in the Advising Center (1202 Meyer Hall) list the approved courses for each specialization.

Animal Science with a Disciplinary Focus

The specializations with a disciplinary focus allow students to concentrate on a discipline rather than a species. The selection of disciplines includes: animal behavior, biochemistry, genetics, nutrition, or physiology. Students with this specialization may only select one discipline and must receive prior approval of courses from their faculty advisor.

Aquatic Animals

Students interested in aquatic animals study the science behind the cultivation and production of aquatic animals and plants for human consumption or for habitat restoration and wild aquatic animal conservation.

Avian Sciences

The avian sciences specialization is designed for students who have an interest in disciplines concerning the behavior, physiology, and ecology of birds including poultry, exotics, and raptors.

Companion and Captive Animals

Students in the companion and captive animal specialization study the biological and social aspects of keeping companion animals in captivity. Scientific principles including topics in behavior, genetics, physiology, and nutrition may be explored along with captive animal care and management within this specialization. The breadth of species studied includes dogs, cats, pocket pets, reptiles, fish, and birds. This specialization is also compatible with students interested in exotics.

Equine Science

Students in the equine science specialization explore many aspects of the horse industry. Students interested in equine science take courses in anatomy, reproduction, nutrition, physiology, growth, and business management pertaining to horses.

Laboratory animals

The laboratory animal specialization is designed for the student who has an interest in the management, welfare, and care of animals used in the laboratory including rodents, birds, fish, reptiles, and other mammals.

Livestock and Dairy

Students in the livestock and dairy specialization choose from several courses dealing with the biology, care, and management of a variety of production animals including turkeys, swine, sheep, dairy and meat goats, and dairy and meat cattle.

Poultry

Students interested in poultry take courses focusing on the physiology, nutrition, and management of production birds including turkeys and chickens, primarily.