

UNDERGRADUATE EDUCATIONAL OPPORTUNITIES in ANIMAL SCIENCE at NORTH CAROLINA STATE UNIVERSITY

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see also: http://www.cals.ncsu.edu/an_sci/home/teaching.htm

Baccalaureate Program

Students who choose Animal Science as a major have two tracks to choose from, Science or Industry. Both result in a Bachelor of Science (B.S.) in Animal Science. The science track is designed for students who are interested in graduate school, vet school, medical school, or other careers that require a strong science background. The industry track, which requires fewer courses in physics and chemistry and more courses in business and production, prepares students for careers in production animal agriculture and related fields. Students who maintain a Grade Point Average of 3.35 or higher (on a 4.0 scale) may participate in the Honors Program, which involves completion of honors courses and an honors Research or Teaching project.

Associate Degree Program

Students who are interested in a two-year Associate of Applied Science (A.A.S.) degree may major in Livestock/Poultry Management (LPM) through the Agricultural Institute, which is part of the College of Agriculture and Life Sciences at North Carolina State University. This program provides many hands-on, practical experiences that give graduates excellent skills for employment in animal-related industries; however, courses will not transfer to a baccalaureate program. For more information, call (919) 515-3248, send e-mail to Ag_Institute@ncsu.edu, or look on the web at: <http://www.cals.ncsu.edu/agj/>

Pre-Vet Students

Many pre-vet students choose Animal Science as their major, but other options are available. Pre-vet is not a major, but is a course of study within the chosen major. Majors in the College of Agriculture and Life

Sciences that work well for students planning to continue on to a College of Veterinary Medicine include (but are not limited to): Animal Science, Biochemistry, Biology, Microbiology, Poultry Science, and Zoology. A minor in Animal Science is available for students who choose a major other than Animal Science.

Animal Experience

Students pursuing either a B.S. degree in Animal Science or an A.A.S. degree in Livestock/Poultry Management have the opportunity to learn hands-on animal agriculture in classes and labs that are taught at our Animal Educational Units (swine, dairy, beef, horse, sheep/goat, and poultry). Many students also obtain part-time jobs at the animal units, and some of the educational units have apartments where live-in students gain valuable experience throughout the semester or summer.

Clubs

All students (B.S. and A.A.S. candidates) have the opportunity to participate in the many clubs on campus. The Animal Science Club, Collegiate Horseman's Association, Dairy Science Club, and Rodeo Club are all popular with Animal Science and Livestock majors. Many of our students are also members of the Companion Animal Club and the Pre-Veterinary Medical Association. In addition to the clubs mentioned above, there is an N.C. State University Equestrian Club and Team (sponsored by Intramural Sports). Students gain valuable experience with animals in these clubs, but also learn important communication skills when they take on new responsibilities as project leaders or club officers.

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Internships and Other Opportunities

Animal Science and Livestock students are encouraged to complete Summer Internships working on a farm, at a veterinarian's office, or in another animal-related field. Students may earn up to 3 credit hours of Free Electives for participating in such an internship. In addition, baccalaureate students may gain valuable experience and up to 3 credit hours for being Teaching Assistants for Animal Science courses, or for participating in Undergraduate Research.

Animal Science and Livestock students also have the opportunity to compete inter-collegiately as members of the Livestock, Horse, or Dairy judging teams.

Careers in Animal Science

A baccalaureate degree in Animal Science provides graduates with knowledge and experience in Nutrition, Anatomy and Physiology, Reproduction, Genetics, and Management of animals. In addition, courses in Communications, Humanities, Social Sciences, and other areas provide students with a broad background to prepare them for a variety of careers.

Many of our baccalaureate graduates continue their education at a College of Veterinary Medicine, which requires an additional four years of study beyond the Bachelor's degree. Other graduates choose jobs in related fields, such as becoming Research Technicians in laboratories, entering the sales or marketing force for pharmaceutical companies, or continuing their education for a Master's or Doctoral Degree.

Graduates may also choose occupations such as Farm Manager (swine, cattle, or horse farms), Extension Agent (Livestock or 4-H Agents with the Cooperative Extension Service), Kennel Manager, or High School Teacher (the teaching certificate must be earned). They may choose jobs in Livestock Sales, Marketing, or Reporting, or in related fields. Some graduates enter business (their own or as managers), banking (such as Farm

Credit), or choose to work for Breed Associations.

Other career opportunities for graduates from our baccalaureate program include working in offices for veterinarians, in retail stores (co-ops, tack stores, pet stores, agricultural supply stores), in service-related fields (such as agricultural consulting), as trainers (horses or dogs), or as writers for animal-related publications.

Graduates from the Associate Degree program are highly qualified for jobs as farm managers, agricultural store managers or sales personnel, and other related careers.

Visiting Campus

Prospective students (Juniors or Seniors in High School, or transfer students) who are interested in visiting the N.C. State University campus to learn more about opportunities in the College of Agriculture and Life Sciences are encouraged to participate in the Spend-A-Day-At-State Program. See: <http://harvest.cals.ncsu.edu/index.cfm?showpage=37> or call 919-515-9716.

More Information on Animal Science

To request specific information about Animal Science baccalaureate degree programs, please contact the Animal Science Undergraduate Teaching Coordinator's office:

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More information about the Department of Animal Science at North Carolina State University may also be found at the web address listed at the top of this handout.

More information on the Associate of Applied Science (2-year) degree can be found at: <http://www.cals.ncsu.edu/agi/>

Information on other departments, as well as our College of Veterinary Medicine and the Agricultural Institute, can also be found at the N.C. State University web site. See: <http://www.ncsu.edu/>