ANIMAL SCIENCES MAJOR

Department of Animal and Dairy Sciences

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Animal Science students focus on the biology of domesticated animals, emphasizing the integration of biological principles from the gene to the organ from herd to flock.

Science emphasis students are interested in a career in veterinary medicine, animal science research, medicine, or other graduate programs. In addition to Animal science course work, math, physics, organic chemistry and biochemistry serve as the core science course foundation.

Business emphasis students may find careers in farm production and management, commodity markets, ag businesses and associations. In addition to Animal Science course work, finance, marketing, and farm management & production provide a business course foundation.
■ Preparation for veterinary school
■ Preparation for graduate studies in Animal science; academia, instructor, outreach
■ Animal nutrition companies, R & D, marketing or sales
■ Genetic companies, R & D, data analysis, digital ag technology application
■ Food product safety, food inspection
■ State and federal animal welfare, regulations and policy
■ Animal production farms, beef, sheep, swine, poultry, equine, management and product marketing
■ Animal health companies such as Merck, Alltech, R & D, marketing
■ Animal reproduction, equipment development, stallion stations, semen collection and analysis
■ International agriculture industry
Animal science is a major in the College of Agricultural and Life Sciences (CALS).

Students must meet minimum UW minimum standards to transfer into a new major.

Curriculum requirements:
- University Requirements
  - General Education requirements
  - Communications requirements
  - Quantitative reasoning requirements
- CALS requirements
  - First Year seminar
  - International studies course
Animal Science required course work
  - Introduction to Animal Science
    - Recommended major exploration course
  - Animal Genetics: Veterinary Genetics or Animal Breeding
  - Animal Nutrition
  - Animal Health and Diseases
  - Animal Physiology or Animal Reproductive Physiology
  - Introduction to Meat Science and Technology
  - Capstone

Additional courses for individualized focus of study
  - Animal welfare
  - Biology and Appreciation of Companion Animals
  - Monogastric Nutrition or Ruminant Nutrition Metabolism
  - Digital Agriculture
  - Beef and/or Swine Production
  - Equine Reproductive Physiology
  - Food Production Systems and Sustainable Development
  - Animal Agriculture and Global Sustainable Development
  - Commercial Meat Production
  - Animal Handling
  - Ancient Animals and People
  - Livestock Production and Health In Agriculture Development
STUDENT OPPORTUNITIES

- Independent study
  - Over 75% of Animal Science students complete one or more independent study projects, including research lab experiences.

- Hands-on learning experiences
  - On campus animal student worker positions
  - Off campus research farm positions

- International study abroad opportunities
  - Students can incorporate a study abroad experience into their program with advanced planning.

- Internships
  - Students can identify and develop an internship with the assistance of an advisor to enhance skills and foster connections.

- Honors
  - Animal science majors can participate in UW research honors program, CALS honors, or Honors in the Major.
STUDENT OPPORTUNITIES AND SUPPORT

- Student Organizations
  - Pre-vet club, Saddle and Sirloin, Poultry Science Club, Hoofer Riding Club, Badger Meat Science Club, Collegiate FFA, Association of Women in Agriculture

- Scholarships and stipends
  - The department is proud to offer many scholarships for undergraduate majors.
  - Competitive research stipends are available for students working with a department faculty member.

- Advising
  - Animal Science majors are supported by both an Undergraduate advisor and a faculty career mentor.
WHY MAJOR IN ANIMAL SCIENCES?

- Departmental Mission
  - We inspire original thinking in collaborative research, innovative instruction, and outreach to foster scientific discoveries, produce skilled leaders, and advance animal agriculture and sustainable food systems to enrich the lives of students, scientists, stakeholders and society.
  - Key to this vision is teaching the next generation of undergraduate and graduate scholars in animal agriculture and veterinary medicine, undertaking cutting-edge basic and translational research in animal biology and providing impactful outreach in animal systems management and food production.
HOW TO DECLARE ANIMAL SCIENCES MAJOR

- Contact Liv Sandberg Undergraduate Student Services Coordinator to visit about your career interests and declaring the Animal Sciences major.
  - Appointments via Starfish
  - jsandberg@wisc.edu

- Click on the link to research information about Department of Animal and Dairy Sciences, major information, our faculty and their research efforts, animal research farm activities, and extension programs
  - https://andysci.wisc.edu

- Recommended exploration course