Overview
Kansas State University offers an animal sciences and industry program that prepares students for careers in the animal industry. The curriculum combines studies in nutrition, equine, genetics, reproduction, behavior, physiology, business and technology with production, management and agribusiness skills.

The diversity and flexibility within the program allow students from both urban and agricultural backgrounds to plan programs of study consistent with individual interests and goals.

Animal science is progressive and technical. It prepares students for a variety of good jobs both in the livestock and companion animal industries. The program's diversity also allows students with broad interests to gain knowledge of many subjects while specializing in one area.

The quality of instruction in classrooms and laboratories is among the best the university offers.

Professional options
The goal of the ever-changing animal science industry is to produce and develop safe, quality meat to meet consumer demand both home and abroad. The industry is also expanding in companion animal needs. It strives to make the lives of companion animals and their owners better by fulfilling nutritional, pharmaceutical and behavior needs.

Careers
- Manager
- Sales representative
- Livestock buyer
- Finance and marketing specialist
- Extension agent
- Researcher

Points of pride
K-State's animal sciences and industry program is highly respected by animal scientists and combines the study of nutrition, reproduction, genetics, behavior, physiology, technology and business with production, management and agribusiness skills. Many students choose our program because the department is highly respected by other animal scientists.

Communications and marketing
This option is for the student interested in journalism, advertising, editing, photojournalism or public relations. This option includes courses from the A.Q. Miller School of Journalism and Mass Communications, such as news writing, editing and design, photography and related topics. A minor in mass communications is incorporated into this option.

Production/management
The production/management option is for the student who wants to specialize in the breeding, feeding, care and welfare of animals. Animal production, nutrition and management classes, combined with courses in the College of Business Administration and the Department of Agricultural Economics, provide a solid basis for a career in animal management and production.

Science/pre-vet
Designed for those seeking an advanced degree or admission to a college of veterinary medicine, or who wish to pursue a career in research, this option emphasizes courses in chemistry, physics and biology.

Minor
Students may choose to increase their knowledge and marketability with a minor in animal sciences and industry. Scheduling the 15 hours to complete a minor is easy with careful planning.

Certificates
The Department of Animal Sciences and Industry also offers nondegree certificates in beef cattle ranch management, equine science, beef cattle feedlot management and meat science. Students can complete these programs while pursuing degrees in eight of the colleges at K-State.

Faculty
Effective instruction is a constant goal of the Department of Animal Sciences and Industry. Several faculty members have received national and international recognition for their accomplishments in teaching and research.

Advising
One of the department's greatest strengths is its faculty members, who are genuinely committed to teaching and serving as great advisors. They make it a point to get to know their students through a strong emphasis on individual attention. With so many options, you will be assigned an advisor with common interests and knowledge about your curriculum.
Preparation
Animal science majors should have a good background in biology, English, math, science and chemistry.

Facilities
Students train in laboratories and units located on and nearby campus. Each facility has its own species focus, faculty members, research professors and lab technicians to assist with hands-on learning. Our facilities include beef, swine, dairy, sheep and goat, and poultry units, Weber Arena and Stanley Stout Center.

Activities
Outside the classroom, students learn from contact with other students, faculty and industry personnel and from hands-on experience with animals and animal products.

Clubs
Clubs sponsored by the department include Block and Bridle, Collegiate Cattlemen, Collegiate Cattlemen, Dairy Science Club, Food Science Club, Intercollegiate Horse Show Association, KSU Horsemanship’s Association, Meat Science Association, Pre-Vet Club and K-State Rodeo Club. Participants benefit from lasting friendships, an opportunity to expand leadership potential and an increased understanding of the field that the club represents.

Student teams
The department sponsors seven judging teams that compete in 20 to 25 national contests each year. These teams are livestock, meat, wool, horse, dairy, dairy products and poultry. Participation in the class from which these teams are chosen improves analytical reasoning and the ability to reach logical conclusions and defend decisions orally and in writing.

Financial assistance
Several scholarships are available to animal science majors who need financial assistance. Part-time work is frequently available in the department’s livestock units and laboratories and in Manhattan and the surrounding area. Study-related paid work offers rewarding and valuable experience while helping financially support the serious student.

Suggested coursework
Animal sciences and industry courses
Title and course
ASI 101: Foundations in Animal Science
ASI 102: Principles of Animal Science
ASI 105: Animal Sciences and Industry
ASI 106: Dairy Poultry Science
ASI 107: Companion Animal/Horse Lab
ASI 200: Introduction to Research in Animal Science
ASI 290: Microcomputer Applications in Animal Sciences and Industry
ASI 303: History and Attitudes of Animal Use
ASI 310: Poultry Product Evaluation
ASI 315: Livestock and Meat Evaluation
ASI 318: Fundamentals of Nutrition
ASI 320: Principles of Feeding
ASI 325: Beginning Horse Evaluation
ASI 326: Advanced Horse Evaluation
ASI 333: Equine Enterprise Management
ASI 340: Principles of Meat Science
ASI 345: Beginning Horse Training and Management
ASI 350: Meat Science
ASI 361: Meat Animal Processing
ASI 370: Principles of Meat Evaluation
ASI 385: Wool Grading and Evaluation
ASI 395: Intermediate Horse Training and Management
ASI 396: Dairy Cattle Judging
ASI 400: Farm Animal Reproduction
ASI 401: Farm Animal Reproduction Lab
ASI 402: Calving
ASI 403: Foaling
ASI 404: Lambing
ASI 405: Fundamentals of Milk Processing
ASI 420: Advanced Dairy Cattle Judging
ASI 422: Livestock Sales Management
ASI 444: Equine Health
ASI 445: Advanced Horse Training and Management
ASI 450: Principle of Livestock Selection
ASI 470: Form and Function in Livestock
ASI 495: Advanced Meat Evaluation
ASI 500: Genetics
ASI 502: Principles of Equine Reproduction Management
ASI 504: Equine Reproduction Management
ASI 510: Animal Breeding Principles
ASI 512: Bovine Reproductive Technologies
ASI 515: Beef Science
ASI 520: Companion Animal Management
ASI 521: Horse Science
ASI 524: Sheep and Meat Goat Science
ASI 533: Anatomy and Physiology
ASI 535: Swine Science
ASI 540: Principles of Animal Disease Control
ASI 580: Animal Sciences and Industry Career Preparation
ASI 595: Contemporary Issues in Animal Science and Agriculture
ASI 598: Bioscience Internship in Animal Science
ASI 599: Animal Science Internship
ASI 600: Applied Animal Biotechnology
ASI 601: Physiology of Lactation
ASI 602: Equine Genetics and Breeding
ASI 608: Dairy Foods Processing and Technology
ASI 610: Processed Meat Operations
ASI 620: Beef Systems Management
ASI 621: Dairy Cattle Management
ASI 635: Gamebird Production and Management
ASI 640: Poultry Products Technology
ASI 645: Poultry Management
ASI 650: Identification and Data Management of Food Animals
ASI 655: Behavior of Domestic Animals
ASI 658: Animal Growth and Development
ASI 660: International Study Experience in Animal Science
ASI 661: Animal Sciences and Industry Problems
ASI 662: Special Topics in Animal Science
ASI 671: Meat Selection and Utilization
ASI 675: Monogastric Nutrition
ASI 676: Avian Nutrition
ASI 677: Companion Animal Nutrition
ASI 679: Swine Nutrition
ASI 680: Ruminant Nutrition
ASI 681: Dairy Cattle Nutrition
ASI 682: Formulation of Livestock and Poultry Diets
ASI 683: Grazing Livestock Nutrition
ASI 684: Nutrition of Feedlot Cattle
ASI 685: Stored Forage Systems for Ruminant Animals
ASI 695: Principles of Equine Exercise Physiology
ASI 710: Physiology of Reproduction in Farm Animals
ASI 720: Anaerobic Bacteriology
ASI 749: Advanced Animal Breeding
ASI 776: Meat Industry Technology
ASI 777: Meat Technology

For more information about animal sciences and industry, contact:
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Notice of nondiscrimination
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Post-Graduation Statistics
k-state.edu/postgrad-stats
ksdegreestats.org
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