Kansas State
College of Agriculture
Advisor Packet
97% Graduate Job Placement

$1.4 Million+
in College of Agriculture scholarships awarded annually

20+ Competition Teams
11 nationally ranked

15 Off-campus Teaching Units and Farms
located within 2 miles of campus

28% of Students are from Out-of-State

500+
campus employment opportunities

Guaranteed Scholarships to Study Abroad
minimum of $500

Only Diversity Programs Office in the Big 12
### Working with People
Careers are available in education, human resources, communication, training, public relations and extension.

- Youth Program Director
- City Park Administrator
- Communications director
- Advertising and Marketing Director
- Landscape Consultant
- Extension Agent/Educator
- College Instructor
- High School Ag Education teacher
- Crop Consultant
- Editor/Journalist
- Hospitality Director
- Park Interpreter/Naturalist
- Livestock Consultant
- News Broadcaster
- Spokesperson
- Photographer
- Recreation Planner
- Leadership Consultant
- Public Relations Executive
- Graphic Designer
- Sales Representative
- Animal Health Pharmaceutical Rep
- Animal Nutritionist
- Feed Sales Manager
- Veterinarian
- Ranch Manager
- Companion Animal Behaviorist
- Breed Association Director
- Animal Care Technician
- Feedlot Manager
- Animal Geneticist
- Zoo/Exotic Animal Manager
- Livestock Buyer
- Steward
- Meat Inspector
- Pet Service Manager
- Inquire ‘Specialist’
- Large Animal Surgical Assistant
- Reproduction Specialist
- Extension Livestock Specialist
- Dairy Production Specialist
- Economic Development Director
- Bank Loan Officer
- Commodity Trader
- Small Business Owner
- Insurance Agent
- Farm Service Agent
- Market Analyst
- Grain Merchandiser
- Sales and Marketing Manager
- Risk Management Specialist
- Entrepreneur
- International Finance Specialist
- Bank Examiner
- Legislative Assistant
- Elected Representatives/Government Officials
- Marketing Director
- Chief Executive Officer
- Financial Officer
- Equipment Dealer
- Attorney/Lawyer
- Peace Corps
- Operations Manager
- Golf Course Manager
- Landscape Designer
- Range Land and Pasteur Manager
- Sports Turf Manager
- Crop Specialist
- Plant Geneticist
- Soil Conservationist
- Environmental Technician
- Crop Insurance Adjuster
- Greenhouse and Nursery Manager
- Game Warden
- Park Manager
- Hunting Lodge Manager
- Farm Manager
- Public Gardens Director
- Urban Forester
- Environmental Specialist
- Chemical Applications Specialist
- Field Test Analyst
- Production Agronomist
- Medical, Pharmacy, Veterinarian Professions
- Meat Product Developer
- Food Microbiologist
- Production Engineer
- Plant Biotechnologist
- Milling Manager
- Quality Assurance Coordinator
- Food Safety/HACCP Manager
- Integrated Process Manager
- Feed Scientist
- Bakery Product Specialist
- Supply Chain Manager
- Systems Designer
- Food Technologist
- Animal Health Technician
- Quality Control Engineer
- Precision Technology Specialist
- Product Development Manager
- Molecular Geneticist
- Bioprocessing/Enzyme Developer
- Graduate School/Researcher
Agribusiness
Develop an understanding of management, marketing and finance as well as the relationship of agribusiness to the larger economy. Options to specialize in international agribusiness or food industry economics.
- Management Trainee Manager • Sales Representative • Loan Officer Real Estate Agent
- Commodity Merchant • Operations Analyst • Plant Supervisor • Marketing Specialist
- Food Companies Value-Added Companies • Agricultural Input Manufacturers • Grain Companies
- Cooperatives Banks and Credit Companies • Food Manufacturers • Restaurant Chains

Agricultural Economics
Study the effects of economic factors on agricultural and food industries. This can include consumer demand, marketing, agricultural finance, price analysis, commodity futures marketing, natural resource economics or agricultural policy. Degree options include: Specialty, Farm & Ranch Management, Quantitative, Natural Resources, Environmental Science, Pre-Veterinary Medicine, and Pre-Law.
- Commodity Merchant • International Development Specialist • Sales Representative
- Commodity Broker • Farmers/Rancher/Feedlot Operator • Consultant • Extension Agent
- Attorney • Veterinarian • Production Credit Association • Trade Organizations • Banks
- Feed and Seed Companies • Peace Corp • Livestock Companies • Government • Processing Companies

Agricultural Education
Prepare to teach agriculture or agricultural sciences in secondary and post-secondary schools. The broad curriculum and emphasis on people skills will prepare you for numerous other careers as well.
- High School Agricultural Education Teacher • 4-H and Youth Extension Agent
- Agriculture Sales Representative • Farm and Ranch Manager • Human Resource Specialist
- Program Coordinator • Community College • Animal Health Companies
- Soil Conservation Service • Agricultural Finance • Government Agencies

Agricultural Communications and Journalism
Learn to combine expertise in agricultural and environmental sciences with communications. Specialties in the degree program include public relations, newspaper, magazine, radio-television, and advertising as well as a specific area of study in agriculture or environmental studies.
- Editor • News Broadcast • Event Planner • 4-H and Youth Extension Agent • Photographer
- Advertising Account Executive • Staff Writer • Director of Communications • Public Relations Firms
- Livestock Breed Associations • Agriculture and Trade Publications • Agricultural Firms
- Trade and Government Organizations • Food and Agriculture Magazines and Newspapers

Agricultural Technology Management
Prepare for technical management positions in food and agricultural industries. Focus may include food processing systems, soil and water management, power and machinery systems, electrical systems and electronics, environmental management or agricultural building systems.
- Field Test Analyst • Regional Service Manager • Plant Manager • Sales Representative
- Engineering Manager • Crop Consultant • Engineering Technician • Farm Manager
- Farm Equipment Manufacturers • Government Agencies • Agriculture Firms • Implement Dealers
- Natural Resource Conservation Service • Financial Institutions • Engine Manufacturers

Agronomy
Study soil, water, plant, environmental, genetic, range and weed sciences and their relationship to sustaining the world's food supply, protecting the quality of the environment and conserving vital soil and water resources. Specialize in soil and environmental science, business and industry, consulting and production, range management and plant science/biotechnology.
- Crop Consultant • Soil or Range Conservationist • Sales Representative • Farm and Ranch Manager
- Research Scientist • Loan Officer • Technical Representative • Production Agronomist • Seed Companies
- Farm Supply Firms • Government Agencies • Cooperative Extension Service • Coopertives
- Chemical Companies • USLIM • Environmental Firms • Field Technician • Crop Insurance Agent

Animal Sciences and Industry
Learn all about the animal industry including selection, reproduction, breeding, health, feeding, management and marketing of beef cattle, dairy cattle, horses, poultry, sheep and swine, as well as the processing of animal products. Can focus on animal products, business, communications, science/pre-veterinary medicine, production management or biotechnology.
- Livestock Manager • Sales Representative • Livestock Buyer • Finance and Marketing Specialist
- Extension Agent • Research Scientist • Communications Specialist • Livestock Photographer
- Market Analyst • Animal Care Giver • Quality Control Specialist • Cattle Producers
- Processing Plants • Pharmaceutical Companies • Consumer Information Agencies
- Feed Companies • Commodity Brokerage Firms • Marketing Firms • Livestock Publications
- Livestock Commodity Organizations • Government Agencies • Animal Health Firms
- Product Development Companies • Inspection Services • Zoo/Exotic Animal Manager
- Animal Welfare Auditors • Quality Assurance Technician • Product Research and Development

Bakery Science and Management
Study the commercial baking industry and related areas with courses in bakery and cereal science, milling, and flour and dough testing. Develop and use skills in chemistry, math and microbiology. Options include production management and cereal chemistry.
- Technical Sales Representative • Production Supervisor • Quality Control Supervisor
- New Product Development Researcher • Plant and Production Manager • Ingredient Suppliers
- Food Companies • Trade Organizations • Baking Companies • Equipment Manufacturers

Feed Science and Management
Learn about feed science and contemporary feed manufacturing technology, including automation of various processes, ingredient quality and processing, management concepts, animal nutrition, packaging of products, and feed additive uses. Options also exist in biofuel processing, pet food production and pre-veterinary.
- Production Manager • Commodity Trader • Plant Engineer • Design/Project Engineer
- Quality Control Supervisor • Plant Manager/Superintendent • Purchasing Manager
- Industrial Sales Engineer • Veterinarian • Flour Mills • Feed Companies • Cereal Companies
- Exporting Companies • Equipment Manufacturers • Pet Food Companies • Equipment Manufacturers • Grain Elevators

Food Science and Industry
Learn to blend your interests in the basic sciences with the development, manufacturing, evaluation, marketing and safety of food products. You can specialize in food business and operations or science. Options include science, technology, or business. The science option is great for pre-med and pre-veterinary students.
- Product Researcher • Food Processor • Product Development Specialist • Process Researcher
- Flavor Researcher • Quality Assurance Specialist • Production Manager • Food Inspector
- Fruit and Vegetable Farmers • Product Grader • Advertising/Marketing Specialist
- Technical Sales Representative • Restaurant/Processing Equipment Companies
- Ingredient Companies • Government Regulatory Agencies • Market Research Companies
- Equipment Engineering Companies • Consulting Companies

Horticulture
Prepare for a career that could involve plant propagation, production, marketing or maintenance of fruits, vegetables, flowers, ornamental plants and turfgrass. Horticulture incorporates both science and aesthetics.
- Production Horticulturist • Landscape Designer • Sales Representative • Arborist
- Environmental Management • Technical Representative • Nursery Sales Operator
- Groundkeeper • Extension Agent • Turf Management • Community Garden Coordinator
- Nursery Facilities • Landscape Irrigation Technician • Greenhouse Operator • Tree Farms
- Garden Center Management • Golf Course Management • Lawn services • Research Facilities
- Resident and Commercial Lawn Services • Plant Geneticists and Breeding • Florist Chains
- Floricultural Operations • Horticulture Consultant • International Service in Agriculture

Milling Science and Management
Learn about the total operations of flour milling and related areas and gain a broad background of scientific knowledge of the cereal-grain milling industries and grain products. Options include management, engineering operations and chemistry.
- Miller • Manager • Production Trainer • Quality Control Specialist • Commodity Trader
- Systems Engineer • Milling Companies • Food Companies • Grain Companies
- Government Agencies • Equipment Manufacturers

Park Management and Conservation
Combine the study of natural sciences with communications, management and social sciences to gain an understanding of the social, political and managerial factors affecting the use of our recreational lands and waters. Students are prepared for careers as professionals in various areas of natural resource management agencies and organizations.
- Park Ranger • Interpreter/Naturalist • Park Director • Recruitment Planner • Urban Forerster
- Youth Agencies • National Park Service • Hunting Lodge Director • U.S. Forest Service
- U.S. Army Corps of Engineers • State and County Park Agencies • Resorts
- Public Recreation and Parks Department • Commercial and Corporate Recreation

Veterinary Medicine/Pre-Veterinary Medicine
The opportunity to successfully complete the pre-veterinary medicine requirements in the College of Agriculture and apply for admission to the College of Veterinary Medicine.
- Veterinarian • Researcher • Educator • Public Health Administrator • Marketing Specialist
- Nutrition Specialist • Wildlife Manager • Physiologist • Private Practice • Specialty Practice
- Regulatory Medicine • Government Agencies • Pharmaceutical Companies • Zo Veterinarian
- State and Municipal Inspection Services • Environmental Health Agencies • Animal Health Firms
- United States Army Veterinary Corps • Laboratory Animal Programs

Wildlife and Outdoor Enterprise Management
Integrate management practices of wildlife, fisheries, natural resources, hotel/restaurant operations and business with “in-the-field” outdoor skill experiences. You will be trained in professional operational management for hunting/shooting preserves and resorts, game bird production, fishing resorts and outdoor experience companies.
- Gamebird Production Entrepreneur • Hunting Resort Manager • Hunting Guide
- Fishing Guide • Big Game Production Specialist • Shooting Sports Facility Manager
- Outdoor Adventure Company Consultant • Outdoor Experience Coordinator
- Outfitter Companies • Agri-tourism Coordinator • Hunting Preserves

General Agriculture
A non-degree seeking major student can explore different majors while studying agriculture. You will take courses applicable to any major that allow you to explore your interests and prepare you to select a specific major.
Agribusiness is a very broadly marketable degree with career opportunities in all areas of agriculture and all areas of business. Agribusiness is the business associated with the production, processing and distribution of agricultural products. You will be versed in both agricultural economics and business. You will be prepared professionally to outline plans that successfully lead agribusiness firms to manage risk and realize a positive return. You will learn to apply business strategies and economic principles to solve problems in production, distribution and consumption of agricultural goods and services.

The job outlook and placement rate for Agribusiness graduates is strong. The 2015-2020 USDA (United States Department of Agriculture) report predicts in the next five years college graduates will find strong employment opportunities if they have expertise in food, agriculture, renewable natural resources or the environment. According to the report almost half of the opportunities will be in management and business.

**WHAT IS AGRIBUSINESS?**

**MAJOR OPTIONS:**

- **Agribusiness** - Is a wide-reaching industry that touches many sectors. This option takes a broad approach to teaching the fundamental skills students need to succeed in a wide variety of business settings. Course work focuses on agricultural economics, agribusiness and business.

- **Food Industry** - The institutions that govern food and agriculture are unique. As the industry grows and the technologies used for food processing and commercial agriculture evolve, professionals are needed who can successfully facilitate production, management and marketing from farm to table.

- **International Agribusiness** - Globalization can be felt everywhere across business and society today. Students who understand the background, culture and interconnected global economy can pursue a career without boundaries. Students who choose this option complete agribusiness courses, learn another language and participate in an international experience.
ENVISION YOURSELF IN
AGRIBUSINESS

98% PLACEMENT RATE

$49,000 AVG. STARTING SALARY

THE DEPARTMENT AWARDS DEPT HOUSED

$200,000 OVER 17 OF THE LAST 30 STUDENT BODY PRESIDENTS

EVERY YEAR IN SCHOLARSHIPS

INTERNSHIPS

Internships will provide professional experience while earning college credit. Internships not only allow you to discover your field of interest, but also clarify your specific career goals. Many internships lead to industry connections that are beneficial in your future career or lead to full time employment.

INVolVEMENT

Extracurricular activities are an excellent way to learn more about the industry and network with professionals, in addition to strengthening and enhancing your career and interpersonal skills. The National Agri-Marketing Association works to develop students’ marketing and communications skills. The K-State Center for Risk Management Education and Research Student Fellows engages students and industry partners in hands-on, innovative education and research advancing their risk management skills and knowledge.

STUDY ABROAD

There is no doubt that agriculture businesses impact our economy. Experiencing first-hand different cultures, languages, and industries is a life changing experience. We work with you to fit an international experience into your program. There are week, semester and summer long programs.

CONTACT US

Cherie Hodgson
Academic Program Coordinator
Department of Agricultural Economics
Kansas State University
343 Waters Hall
Manhattan, KS 66505-2201
chodgson@k-state.edu
785-532-4559

www.ageconomics.k-state.edu

“Internships allow you to prepare for career positions. You receive knowledge not taught in a classroom, learn the art of working well with others and how to manage your time.”

ZOE WOOLSONCROFT
agribusiness student

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, Quarles Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlotte@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277. Updated August 2018.

Connect on social media : @kstateagecon

Visit Campus  •  http://www.k-state.edu/admissions/visit/

Kansas State University
What is Agricultural Communications and Journalism?

Students in Agricultural Communications and Journalism (ACJ) study agricultural sciences, environmental topics and mass communication. Courses are designed to enhance the student's ability to communicate about natural and applied sciences. The unique curriculum combines the science of agriculture and the environment with communication skills, concepts and theory. This opens doors for students when applying for internships, jobs and professional school. Let us help you find your true passion for communicating about agriculture, food and natural resources.

Major Options:

- **Agriculture** - Gives students the option to create a degree tailored to a specific interest, for example: combine agricultural communication with a focus in animal science, agribusiness, advertising, agronomy, horticulture, political science, global food systems or Spanish. The choice is yours!

- **Environment** - For students interested in communicating about natural resource management, regenerative agriculture, sustainable food production and more. Focus areas can include soil and water conservation; bringing alternative agricultural practices back to the farm, ranch, or feedlot; and learning about “green” consumer choices. Students in the environment option also complete a secondary major in Natural Resources and Environmental Sciences, which provides a diverse perspective on natural resource topics.
ENVISION YOURSELF IN
AGRICULTURAL COMMUNICATIONS
AND JOURNALISM

HANDS-ON EXPERIENCES
Many of our courses provide hands-on experiences with opportunities to work for real clients on developing communication strategies. Students make contacts with professionals and produce designs, communication plans, social media strategies and other projects in many of the courses offered in our curriculum.

ININVOLVEMENT
K-State’s Agricultural Communicators of Tomorrow (ACT) chapter ranks among the best in the country. ACT involvement gives you opportunities to build career skills and network with industry leaders at the Agricultural Media Summit, as well as a chance to grow your leadership skills as a chapter or national officer.

INTERNSHIPS
All ACJ students complete at least one internship. Many students complete more than one as these experiences often lead to professional connections and future jobs. Each year, there are more internship opportunities available than students to fill them! These experiences cover a range of professional sectors, including writing for trade publications, working at communications agencies, developing marketing plans and materials and much more. Visit http://blogs.k-state.edu/acjinternships/ for details on our students’ internships.

FACULTY ADVISING
ACJ faculty commit to delivering excellence in teaching and advising. We make a concerted effort to get to know our students as individuals, which helps us develop courses, give career guidance and offer academic support with student values and motivation in mind. This is possible due to a low student-to-faculty ratio. Our advisors not only guide academic and career planning, but also help navigate all the new experiences college brings. We focus on helping you personally tailor your curriculum to align with interests, passions and long-term goals.

THE AgriculturIST
The Kansas State Agriculturist is a student-produced, full-color magazine published each semester. The Agriculturist staff takes on every aspect of publication production, from story planning to ad sales and design. The award-winning magazine is one example of how ACJ students can apply skills learned in the classroom while creating a strong professional portfolio.

CONNECT US
Department of Communications and Agricultural Education
Kansas State University
301 Umberger Hall
Manhattan, KS 66506-2201
785-532-5804
www.communications.k-state.edu
Connect on social media: @KstateACJ

“End advisor knows what interests me, what skills are, and how much I can handle. She’s helped me make difficult decisions about which way I want to take my education and has helped point me to opportunities like undergrad research and scholarships.”

TOPANGA MCBRIDE
agricultural communications and journalism student

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equityinfo@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277.
What is Agricultural Economics?

Agricultural economics students are exposed to economic principles that guide the behavior of individuals, businesses, government and define the global economy. Issues are presented in the context of modern agriculture. An agricultural economics degree opens the door to a variety of careers. The major is designed to be flexible while giving students a grasp of issues they will face as agriculture professionals. In 2018 the U.S. Census Bureau reported that among 162 college majors, Agricultural Economics has the lowest unemployment rate at 0.4 percent.

Major Options:

- **Ag Econ Specialty** - Gives students the opportunity to create a degree tailored to a wide variety of interests and career goals, for example: combine agricultural economics with political science, agronomy, data analytics, accounting, grain science, food science or Spanish. The choice is yours!

- **Farm & Ranch Management** - For students who have an interest in applying management principles to a farm, ranch or commercial feedlot. Focuses on agricultural economics, livestock, crop production, agricultural technology and business.

- **Pre-Veterinary Medicine** - Gives students a strong foundation in science to meet vet school requirements, as well as business skills needed to manage a practice.

- **Natural Resources** - Focuses on economic issues involving natural resources and includes a secondary major in natural resources management and conservation.

- **Pre-Law** - Law school admission committees look for breadth and depth in curriculum and value the diversity found in the ag econ major. This option helps students develop the knowledge, skills and experiences they will need to enter and succeed in law school.

- **Quantitative** - Focus on math, statistics, data analytics and economics. Students will be prepared for graduate level programs or for work as economic analysts or consultants.
Being involved in clubs and organizations outside the classroom has challenged me to think critically about the industry and my future career path.

LANE NICHOLS
ag economics student

INTERNSHIPS
Internships will provide professional experience while earning college credit. Internships not only allow you to discover your field of interest, but also clarify your specific career goals. Many internships lead to industry connections that are beneficial in your future career or lead to full time employment.

INVOlVEMENT
Extracurricular activities are an excellent way to learn more about the industry and network with professionals, in addition to strengthening and enhancing your career and interpersonal skills. The National Agri-Marketing Association works to develop students’ marketing and communications skills. The K-State Center for Risk Management Education and Research Student Fellows engages students and industry partners in hands-on, innovative education and research advancing their risk management skills and knowledge.

STUDY ABROAD
There is no doubt that agriculture businesses impact our economy. Experiencing first-hand different cultures, languages, and industries is a life changing experience. We work with you to fit an international experience into your program. There are week, semester and summer long programs.

CONTACT US
Cherie Hodgson
Academic Program Coordinator
Department of Agricultural Economics
Kansas State University
343 Waters Hall
Manhattan, KS 66505-2201
chodgson@k-state.edu
785-532-4559

www.ageconomics.k-state.edu

Connect on social media: @kstateagecon

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status or veteran status, in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277. Updated August 2018.
What is Agricultural Education?

Agricultural Education students study a broad range of agriculture topics and specialize in working with people. If you choose Agricultural Education you will have excellent employment potential. Our graduates have a 100% job placement record. Students who enjoy learning about all areas of agriculture including animal science, agribusiness, plant science, food science and agricultural mechanics will enjoy the diversity within this major.

You not only take a diverse course load, but can be involved in part-time jobs, international travel, undergraduate research and internships that focus in all areas of agriculture. Upon graduation you also obtain your teaching license. Our Agricultural Education students are leaders in the Communications and Agricultural Education Department, the College of Agriculture and across the University.

**INTERESTS**
- All Agriculture Areas
- Motivating Others
- Teaching Others
- Youth Development

**SKILLS**
- Working with People
- Creativity
- Problem Solving
- Science
- Teaching

**POSSIBLE CAREERS**
- High School Ag Teacher
- Extension Agent
- Agriculture Sales & Service
- Education Specialist
- Human Resources
- Small Business Owner
“I chose Ag Ed to share my passion for agriculture. I wanted to make a difference in the future of the agriculture industry and give my students the interpersonal and professional skills to succeed.”

CAITY THOMPSON
agricultural education student

HANDS-ON EXPERIENCES
In our department we have state of the art classroom space and resources available to all of our students. Each student in education block classes is provided an iPad and taught the latest technologies being used in classrooms.

TEACHING INTERNSHIPS
Each Agricultural Education student completes a teaching internship during their final semester. The internship sites are located across the state of Kansas in a variety of schools and communities. During the internship, students work with a cooperating teacher to design instruction, advise the local FFA Chapter and oversee student Supervised Agricultural Experiences. Faculty visit the student teachers two full days during the internship experience. Many interns form lifelong friendships with teachers, students and the community where they student teach.

STUDENT ACTIVITIES
Agricultural Education students are active in the College of Agriculture, university student organizations holding leadership positions, in statewide leadership and as National Teach Ag Ambassadors. The Agricultural Education Club is a great way to develop friendships, gain leadership skills, and learn more about agricultural education. The Agricultural Education Club supports the FFA and agricultural education in Kansas by volunteering at district events and hosting the annual speech contest. Students in the Agricultural Education club attend the National FFA Convention, professional development seminars, picnics, an annual banquet and monthly meetings.

AGRICULTURAL EDUCATION FACULTY
Each of the three full-time faculty recruit potential students, teach all Ag Education courses, advise all Agricultural Education students and visit each student teaching intern for 2 full days and will visit with them virtually during their internship semester. Faculty are dedicated to helping you succeed in your desired field.

CONTACT US
Department of Communications and Agricultural Education
Kansas State University
301 Umberger Hall
Manhattan, KS 66506-2201
785-532-5804
www.communications.k-state.edu

Connect on social media:
Twitter: @KSUAgEd
Facebook: K-State Agricultural Education
Instagram: K-State Ag Ed

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, marital status, or veteran status in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-5007. The campus ADA Coordinator is the Director of Employee Relations, Partridge Halls, who may be reached at 155 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-4227. Updated August 2018.
AGRICULTURAL TECHNOLOGY MANAGEMENT

WHAT IS AG TECHNOLOGY MANAGEMENT?

Agricultural Technology Management (ATM) emphasizes understanding agricultural sciences, technical systems and management of people and resources. You will customize the curriculum to align with your career aspirations. It is grounded in engineering principles, agricultural sciences and business management strategies. This degree opens doors with equipment companies as a product and service specialist, a sales representative or in precision agriculture technology as a tech specialist and manager of information.

MAJOR OPTIONS:

- **Agricultural & Industrial Machinery Systems** - Evaluate and modify prototype equipment, assist producers with machinery system evaluations, manage machinery dealerships or become a marketing specialist for machinery manufacturing companies.
- **Grain Handling & Processing Systems** - Evaluate machine and system performances, become a manager of a small or large grain handling facility or manage terminal elevators.
- **Livestock Systems** - Evaluate livestock equipment and handling systems to ensure efficiency and safety of personnel and livestock in various operations.
- **Natural Resource Systems** - Design natural resource systems for agricultural producers, federal agencies or private consultants.
- **Precision Agriculture Technologies** - Install and troubleshoot systems on machinery, interpret data collected from precision technologies to enhance producer productivity and profitability and assist agricultural producers in the utilization of drone technology.
- **Production Agriculture** - Scout crops for disease, fertility and water requirements and work with producers to maximize crop yields with major crop consulting firms. Engage in developing seed varieties with major seed companies and engage in marketing agricultural commodities with major marketing firms.

INTERESTS

- Machinery Systems
- Precision Ag Technologies
- Production Agriculture
- Grain Handling & Processing Systems
- Agricultural Facilities Design
- Natural Resource Systems

SKILLS

- Problem Solving
- Effective Communication
- Leadership
- Organization
- Management
- Quantitative

POSSIBLE CAREERS

- Precision Ag Technologies
- Field Test Technician
- Technical Specialist for Machinery Manufacturers
- Natural Resource Technician
- Livestock Operations Manager
- Agricultural & Industrial Machinery Sales

KANSAS STATE UNIVERSITY

College of Agriculture  @kstateag

www.ag.k-state.edu  kstateag@k-state.edu  (785) 532-5736
ENVISION YOURSELF IN
AGRICULTURAL TECHNOLOGY
MANAGEMENT

95% OF STUDENTS ARE HIRED
BEFORE GRADUATION

INTERNSHIPS
Agricultural Technology Management students participate in quality internship programs as part of their career development process and receive university credit for those experiences. Begin your search early and you will discover the occupation that gives you a career - not just a job.

KEYS TO SUCCESS
- Understand the curriculum requirements
- Customize your degree to meet your career aspirations
- Pursue quality internships & cooperative experiences
- Practice proven time-management strategies
- Study regularly

FACULTY ADVISING
The ATM program is administered by the Department of Biological and Agricultural Engineering (BAE). This is a small department where faculty know you by name, have professional backgrounds in your career interests, have many industry connections in their expertise areas and are dedicated to working with students to achieve their career goals.

“Get involved in clubs such as the ATM Club and other ag clubs to make the most out of networking opportunities. Clubs provide educational trips and opportunities to meet with industry leaders. It will be worth it when you graduate.”

WILL MORELAND
agricultural technology management student

CONTACT US
Department of Biological and Agricultural Engineering
Kansas State University
1016 Seaton Hall
Manhattan, KS 66506-2201
785-532-5880
www.bae.ksu.edu

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, marital status, or veteran status, in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, 302 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4601, 785-532-4624. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4601, 785-532-4627.
WHAT IS AGRONOMY?

Agronomy is the study of soil and plants and their environment in addition to the production of food, feed, fiber and fuel. Using science and technology as their basis, agronomists sustain the world’s food production, protect the quality of the environment and conserve vital soil and water resources. Agronomists help protect the planet’s resources while addressing humanity’s basic concerns for quality of life.

MAJOR OPTIONS:

- **Consulting & Production** - integrates crop production and pest management with the sustainable use of soil, plant and water resources.
- **Business & Industry** - emphasizes the application of economic and business to agronomic production.
- **Precision Agriculture** - focuses on the integration of crop, soil and weather data to increase yield and reduce environmental impact of crop production.
- **Plant Science & Biotechnology** - uses technology to advance crop breeding and plant genetics.
- **Range Management** - involves management of grassland resources and rangeland ecology for livestock production, wildlife habitat, watershed quality and recreation.
- **Soil & Environmental Science** - focuses on the study of physical, chemical and biological properties of soils for their sustainable management for both agricultural and urban uses.
ENVISION YOURSELF IN
AGRONOMY

100% JOB PLACEMENT
$125,000 AWARDED ANNUALLY IN SCHOLARSHIPS

INvolvement
The Wheat State Agronomy Club is highly involved at the state, regional and national levels. The department supports highly successful intercollegiate crops, soils and weed science judging teams. There is also a forage quiz bowl team that competes at regional and national events.

FACILITIES
Modern classrooms, greenhouses and laboratories are located in the Throckmorton Plant Sciences Center. More than 400 acres of farmland are available near campus for research and teaching, along with more than 2,900 acres of typical Flint Hills tall grass prairie. An 80-acre Learning Farm is used to integrate academic and practical experiences.

ADVISING
Faculty advisors make it a point to get to know their students. With an average student/faculty ratio of 20-to-1, there is a strong emphasis on individual attention.

EXPERIENTIAL LEARNING
Faculty incorporate a series of hands-on experiential learning activities through laboratory sections, field trips, international study abroad experiences, capstone courses and service learning opportunities. Excellent internships and undergraduate research assistant positions are also available.

“The Agronomy Department has provided me professional development opportunities and the technical knowledge to help me in my career path. My internship experiences have allowed me to connect what I learned in the classroom and apply it in the industry.”

REBECCA ZACH
agronomy student

CONTACT US
Department of Agronomy
Kansas State University
1022 Throckmorton Hall
Manhattan, KS 66506-2201
785-532-7258
www.agronomy.k-state.edu

Connect on social media:
Twitter: @K-StateAgron
Facebook: K-State Dept. of Agronomy
Instagram: KSU Agronomy

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, marital status, or veteran status in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondisiscrimination policies is the University’s Title IX Coordinator: the Director of Institutional Equity, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277. Updated August 2018.
What is Animal Sciences and Industry?

Animal science is one of the leading programs in the country that prepares students for a career in the industry. The curriculum combines the study of nutrition, reproduction, genetics, behavior, physiology, technology and business with production, management and agribusiness skills. The program’s flexibility allows students to plan programs of study consistent with individual interests and goals.

Major Options:

- **Animal Products** - Food industry, processing, technology and evaluation with emphasis on wholesomeness and safety of food products.
- **Bioscience & Technology** - Bioscience, genomics and animal health.
- **Business** - Animal industry agribusiness specializing in finance, management, human resources, retail and marketing.
- **Communications & Marketing** - Journalism, advertising, editing, photojournalism and public relations within the animal industry.
- **Production & Management** - Specialize in science, breeding, feeding, care and welfare of animals as a solid base.
- **Science/Pre-Vet** - Designed for those seeking an advanced degree, admission to veterinary school or to pursue a career in research.

According to the American Society of Animal Science, more than 500 different job classifications exist for animal science graduates.

Visit [www.asas.org](http://www.asas.org) for more information.
ENVISION YOURSELF IN
ANIMAL SCIENCES & INDUSTRY

OVER
$160,000
AWARDED ANNUALLY IN
SCHOLARSHIPS

Faculty-led study abroad opportunities are available in the department. Past trips have taken students to Italy, Spain, New Zealand, Argentina, Costa Rica, Japan and Australia. We offer faculty-led trips during breaks as well as semester long study in an exchange program or service-learning. The possibilities are endless and a number of scholarships are available.

JUDGING TEAMS
The 2017 animal science judging teams brought home 1 World Championship, 2 National Championships and 2 Reserve National Championships. Teams include livestock, meats, meat animal evaluation, wool, horse, dairy, dairy challenge, dairy products and poultry. Students are selected from classes designed to develop skills needed for competition and future careers.

“Not only does the department have a great academic program, but it offers flexible options for many different careers in the animal industry.”

ERIC BLYTHE
animal sciences and industry student

LIVESTOCK UNITS
LOCATED WITHIN
MILE OF
CAMPUS

STUDY ABROAD
Faculty-led study abroad opportunities are available in the department. Past trips have taken students to Italy, Spain, New Zealand, Argentina, Costa Rica, Japan and Australia. We offer faculty-led trips during breaks as well as semester long study in an exchange program or service-learning. The possibilities are endless and a number of scholarships are available.

CERTIFICATES/ MINORS
The Department of Animal Sciences and Industry offers an ASI minor and non-degree certificates in Beef Cattle Ranch Management, Beef Cattle Feedlot Management, Meat Science and Equine Science. Students can complete a minor or certificate while pursuing a degree in any of the eight colleges.

CONTACT US
Department of Animal Sciences and Industry
Kansas State University
134 Weber Hall
Manhattan, KS 66506-2201
785-532-1262
www.asi.k-state.edu
tredding@ksu.edu

Connect on social media:
@KSUASI

Visit Campus • http://www.k-state.edu/admissions/visit/

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University’s programs and activities, as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning practice or compliance with federal and state civil rights laws is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, multilple-contacts, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Equal Opportunity, Athey Hall, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus Title IX Coordinator is the Director of Equity, Multicultural Affairs, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220.
What is bakery science and management?

Enjoy baking and want to learn the science and technology behind baked goods? Students learn how ingredients and processing techniques impact the texture, flavor and final attributes of baked goods. Consumers demand for high quality, natural and label friendly baked goods is on the rise and will continue to create new challenges in the baking industry. Through their internship experiences and hands-on lab applications, our bakery science management graduates are well prepared to meet the global needs of our world.

Major Options:

- **Cereal Chemistry** - Emphasis on core science courses including biochemistry, organic chemistry and physics.
- **Production Management** - Prepares students for careers in large scale production, food safety, quality assurance and product development.
ENVISION YOURSELF IN

BAKERY SCIENCE
AND MANAGEMENT

$55,000 TO
$65,000 STARTING SALARIES

INvolvement

The Bakery Science Club is one of the most popular university clubs. Members meet each Tuesday evening to prepare for the weekly Sweet Solutions Bake Sale the following afternoon. Proceeds help fund student attendance to conferences, visiting industry facilities, scholarships and community service projects. Top students in bakery science are invited to be a member of Alpha Mu, the grain science honorary.

Facilities

Students receive hands-on training at our pilot bakery, cereal chemistry and baking laboratories, physical flour and dough-testing laboratory, and related research facilities.

Industry Engagement

Students in bakery science benefit from industry support in the form of internships, scholarships, and product and equipment donations. Industry professionals often give guest lectures and lab demonstrations. In addition, many grain science faculty members have worked in the industry and are able to provide insight in the classrooms. The department awards about $200,000 in scholarships annually to the students majoring in bakery, feed and milling science.

Faculty Advising

Our faculty advisors take a personal interest in our students. They work with students to plan for the students’ academic and professional success. Our faculty are a great resource as many have industry and/or research experience to bring to the classroom.

Internships

Paid internships are available to students each year. Students gain a firsthand look at the baking science industry and valuable practical experiences that often lead to job offers even prior to graduation.

Contact us

Department of Grain Science and Industry
Kansas State University
1301 Mid Campus Drive North
201 Shellenberger Hall
Manhattan, KS 66506-2201
785-532-6161
www.grains.k-state.edu
grains@k-state.edu

Connect on social media:
@KSUGrain

Visit Campus

http://www.k-state.edu/admissions/visit/
WHAT IS FEED SCIENCE AND MANAGEMENT?

This program offers both classroom and hands-on learning covering topics including grain handling, feed processing and pelleting, animal nutrition, feed quality and safety, pet food production and extrusion. Graduates can expect plentiful job opportunities in a stable industry with good starting salaries.

MAJOR EMPHASIS:

- **Feed Production** - Focuses on livestock feed manufacturing and animal nutrition.
- **Pet Food Production** - Emphasis on research and development in the pet food industry.
- **Biofuels Production** - Focuses on production of biofuels from renewable resources and utilization of the by-products.

INTERESTS

- Working with People
- Applied Science
- Nutrition
- Engineering & Technology
- Feeding the World
- Management

SKILLS

- Leadership
- Scientific Analysis
- Analytical
- Critical Thinking
- Task Manager
- Effective Communication

POSSIBLE CAREERS

- Plant Operations
- Quality Control
- Process Facility Design
- Research & Development
- Corporate Management
- Equipment Engineering
- Ingredient Procurement
- Regulatory Affairs

www.ag.k-state.edu • kstateag@k-state.edu • (785) 532-5736
Students in feed science benefit from industry support in the form of internships, scholarships, and product and equipment donations. Industry professionals often give guest lectures and lab demonstrations. In addition, many grain science faculty members have worked in the industry and are able to provide insight in the classrooms. The department awards about $200,000 in scholarships annually to the students majoring in bakery, feed and milling science.

Our faculty advisors take a personal interest in our students. They work with students to plan for the students’ academic and professional success. Our faculty are a great resource as many have industry and/or research experience to bring to the classroom.

The Feed Science Club brings students together in a group that promotes professional and social activities while providing hands-on opportunities to manufacture and market feed products. Other club activities include promoting feed science at campus events and activities, hosting guest speakers and attending professional conferences. Top students in feed science are invited to be a member of Alpha Mu, the grain science honorary.

$55,000 TO $65,000 STARTING SALARIES

INTERNSHIPS
Paid internships are available to students each year. Students gain a firsthand look at the feed industry and valuable practical experiences that often lead to job offers even prior to graduation.

INDUSTRY ENGAGEMENT
Students in feed science benefit from industry support in the form of internships, scholarships, and product and equipment donations. Industry professionals often give guest lectures and lab demonstrations. In addition, many grain science faculty members have worked in the industry and are able to provide insight in the classrooms. The department awards about $200,000 in scholarships annually to the students majoring in bakery, feed and milling science.

FACILITIES
Students experience cutting-edge equipment and technology in our facilities. An extrusion center, grain storage research facility and the O.H. Kruse Feed Technology Innovation Center are located on campus. The O.H. Kruse Feed Mill, built in 2013, is recognized as the premier research and teaching feed mill in the country.

INVOLVEMENT
The Feed Science Club brings students together in a group that promotes professional and social activities while providing hands-on opportunities to manufacture and market feed products. Other club activities include promoting feed science at campus events and activities, hosting guest speakers and attending professional conferences. Top students in feed science are invited to be a member of Alpha Mu, the grain science honorary.

CONTACT US
Department of Grain Science and Industry
Kansas State University
1301 Mid Campus Drive North
201 Shellenberger Hall
Manhattan, KS 66506-2201
785-532-6161
www.grains.k-state.edu
grains@k-state.edu

Visit Campus • http://www.k-state.edu/admissions/visit/

Connect on social media: @KSUGrain
What is Food Science and Industry?

Students in the food science and industry major study all aspects of the global food system. Concepts such as the chemical and physical make-up of food products, harvesting and processing, food safety and quality, new product development and global food demand are emphasized. Kansas State University’s nationally recognized undergraduate food science and industry program is approved by the Institute of Food Technologists (IFT). Students receive excellent training in science, technology and business to prepare them for exciting careers in the food industry, academia or

Major Options:

- **Business & Operations Management** - For students with an interest in business and operations management within the food industry. This option prepares students for roles in food processing, innovation, quality and safety, technical services, regulatory compliance and ingredient purchasing. It emphasizes finance, marketing and management.

- **Science** - For students with an interest in STEM concepts including chemistry, microbiology, physics and biochemistry. This option prepares students for roles in food product research and development, quality and safety, and graduate school. The curriculum supports students wanting to apply to pre-vet, pre-med and other pre-health programs.

- **Technology** - For students with an interest in the basic and applied science and technology fields that want a career in quality assurance, research and product development and safety. Tailored for students completing their B.S. degree online.
ENVISION YOURSELF IN

FOOD SCIENCE AND INDUSTRY

MEDIAN STARTING SALARY

$55,000

WITH RAPID ADVANCEMENT

100% JOB PLACEMENT

10 TO 1 STUDENT TO FACULTY RATIO

STUDY ABROAD

The food industry is certainly global and there is no better way to gain a perspective on our global food system than going abroad. Our program offers numerous faculty-led study tours, short courses, internships and semester long study abroad opportunities for students. Recent destinations include both Spain and Italy.

INTERNSHIPS

Valuable experiences and college credit can be gained by completing an internship with a food or agribusiness company. Internships generally provide contacts that will frequently aid in later employment. Students are placed in companies in Kansas and throughout the United States.

“The K-State Food Science program certainly made an immense impact on my professional life by providing me hands on training and knowledge beyond the classroom. I am well prepared to face the challenges of a career in the food industry.”

CARLA SCHWAN

food science and industry student

FACULTY ADVISING

Food science faculty members are genuinely committed to teaching and serve as great advisors. They make it a point to know their students with a strong emphasis on individual attention. Advisors not only provide guidance with academics and assist with career planning but are an excellent source of information on student employment and other personal concerns.

CONTACT US

Food Science Institute
Kansas State University
1530 Mid-Campus Drive N
216 Call Hall
Manhattan, KS 66506-2201
785-532-4057
foodsci.k-state.edu
foodsci@k-state.edu

Connect on social media:
@KSUfoodscience

Visit Campus • http://www.k-state.edu/admissions/visit/

program approved by

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, marital status, or veteran status in its programs and activities as required by applicable laws and regulations.
The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277.
What is horticulture?

Horticulture combines art and skill with science and technology for sustainable growing, distributing and using plants, fruits and vegetables. Landscapes, homes and public buildings are surrounded by horticulture. Lives are enriched through the varied diets and physical activities resulting from this field of study. Graduates, depending on their specialization, become experts in disciplines such as fruit and vegetable production, landscape design and management and golf course and sports turf management.

Specialization Options:

- **Horticultural Production** - combines business courses with horticulture classes. Specialties include fruit and vegetable production with courses in conventional or organic, sustainable practices and greenhouse and nursery production.

- **Golf Course and Sports Turf Operations** - combines business, communications, hospitality and turf management courses to prepare the next generation of golf course superintendents and sports turf managers.

- **Landscape Horticulture** - prepares students for opportunities in all aspects of residential and commercial landscape care, from design and installation/construction through maintaining landscapes. This is a great option for creative individuals interested in designing functional and sustainable landscape environments, as well as students interested in rewarding careers in the tree care and irrigation industries.

- **Horticultural Science** - intended for students planning to pursue a graduate degree. Universities, federal agencies and industries need trained scientists who can teach, conduct research and communicate findings to the public about sustainable production of horticultural products.
Our horticulture club grows plants for fundraising, performs community service and hosts industry leaders to provide professional development for members. The student chapter of the Golf Course Superintendents of America travels annually to the Golf Industry Show, and the Student Chapter of the National Association of Landscape Professionals and Landscape Contracting Team travels annually to compete at the National Collegiate Landscape competition which includes the largest career fair in the green industry.

“My advisor genuinely cares about who I am and what I am doing. She takes time out of her day to stay in contact with me and I can always rely on her for a recommendation letter or a good word.”

KAREN SCHNECK
horticulture student

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University’s programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277. Updated August 2018.
What is Milling Science and Management?

Students in Milling Science and Management study all aspects of the grain processing industry, from grain origination to specialty milling with an emphasis on the science and technology of wheat flour milling. This unique program has been in existence at Kansas State University for over a century. Today we offer the world’s only four-year Bachelor of Science degree in milling. Graduates are well prepared for the challenges of feeding our growing population.

Major Options:

- **Chemistry** - this option prepares students for research and development positions with classes focusing on biochemistry, organic chemistry and physics.

- **Operations** - this option emphasizes opportunities for managing fast-paced milling operations around the world, ranging from plant engineering and design to quality control and management.
The Milling Science Club provides an opportunity to join others with similar interests for professional and social activities. Club activities include milling flour and making baking mixes to raise money for club activities such as attending professional conferences. Top students in milling science are invited to be a member of Alpha Mu, the grain science honorary.

Department of Grain Science and Industry
Kansas State University
1301 Mid Campus Drive North
201 Shellenberger Hall
Manhattan, KS 66506-2201
785-532-6161
www.grains.k-state.edu
grains@k-state.edu

Faculty-led Study Abroad programs allow students to experience international agriculture through tours of grain processing, food/feed production and storage facilities. Past trips include China, India, Germany, Switzerland, Mozambique, and Brazil. There are also university and college study abroad programs available.

SALARIES RANGE FROM $58,000 TO $65,000
WITH 100% JOB PLACEMENT

INTERNSHIPS
Paid internships are available to students each year. Students gain a firsthand look at the milling industry and valuable practical experiences that often lead to job offers even prior to graduation.

INFORMATION
Students in milling science benefit from industry support in the form of internships, scholarships, and product and equipment donations. Industry professionals often give guest lectures and lab demonstrations. In addition, many grain science faculty members have worked in the industry and are able to provide insight in the classrooms. The department awards about $200,000 in scholarships annually to the students majoring in bakery, feed and milling science.

INCOME
Students receive hands-on training at the Hal Ross Flour Mill. Built in 2006, this is a state-of-the-art pilot scale flour mill contains the same full-scale equipment and control systems found in the commercial flour milling industry today. In addition, the mill contains processing equipment designed for specialty products including sorghum, corn and soybeans.

Facilities

FACULTY ADVISING
Our faculty advisors take a personal interest in our students. They work with students to plan for the students’ academic and professional success. Our faculty are a great resource as many have industry and/or research experience to bring to the classroom.

Contact Us

SCHOLARSHIPS FROM OUR DEPARTMENT RANGE BETWEEN $500 TO $5000

Visit Campus • http://www.k-state.edu/admissions/visit/

Connect on social media:
@KSUGrain

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetics, citizenship, veteran status, or marital status. If you have questions regarding any of these topics, please contact Equity (6502 Mid Campus Drive #101, Manhattan, KS 66506-4801, 785-532-6220) or ADA (226 Seaton Hall, Manhattan, KS 66506-4801, 785-532-6277) for assistance.

The Missouri State University prohibits discrimination on the basis of race, color, gender, national origin, age, ancestry, disability, genetics, citizenship, veteran status, or marital status. The University’s programs and activities are supported by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220. The campus ADA Coordinator is the Director of Equal Opportunity, Charlotte Taylor, charlotte.taylor@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277.
WHAT IS PARK MANAGEMENT AND CONSERVATION?

The Park Management and Conservation curriculum prepares students for careers as park and recreation professionals. If you love the outdoors, have a strong sense of purpose, a deep concern for the environment, a desire for self-expression and a passion to serve people, then this is the major for you!

SPECIALIZATION OPTIONS:

The curriculum will prepare you for careers as a professional in a variety of natural resource management agencies and organizations. Most employment opportunities are in the public sector, including such agencies as the National Park Service, the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, the USDA Forest Service, state park departments and city and county park and recreation departments. There are also positions with associations, resorts, concessionaires, retailers and various other enterprises.
The PMC program enjoys good working relationships with numerous agencies such as the National Parks and Recreation Association, National Park Service, the US Army Corp of Engineers, the Nature Conservancy, the US Fish and Wildlife Service, Kansas State Parks, Kansas game wardens, Manhattan Parks and Recreation, Wildwood Adventures and the Manhattan Running Company. Within K-State, faculty and students also work along side other programs to enhance our students professional education and employment opportunities. PMC students are able to complete their PMC major and earn the Natural Resources and Environmental Sciences Secondary Major without exceeding 120 credit hours and some have even earned an additional Certificate in Geographic Information Systems.

"The Parks Management and Conservation program is a tremendous educational experience for anyone who loves the outdoors and cares about the natural world and its protection."

JUSTIN JONES
park management and conservation student

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status in its University programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University’s Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-2201, 785-532-6220. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-2201, 785-532-6277. Updated August 2018.

Visit Campus • http://www.k-state.edu/admissions/visit/

Contact Us
Department of Horticulture and Natural Resources
Kansas State University
2021 Throckmorton Hall
Manhattan, KS 66506-2201
785-532-6923
www.hnr.k-state.edu

Connect on social media:
K-State Horticulture and Natural Resources

http://www.k-state.edu/admissions/visit/
WHAT IS PRE-VETERINARY MEDICINE?

We offer several options for pre-vet students interested in various aspects of veterinary medicine, including companion animals, exotic and domestic livestock. One option is to enroll in the pre-vet agriculture program and complete the required 64 hours of preprofessional requirements. The other option is to pursue a bachelor of science degree while working toward admission to veterinary school. All options provide students with quality advising and practical experiences. Four majors offer pre-veterinary options.

MAJOR OPTIONS:

- **Animal Sciences & Industry** - Provides experience working with animals, and course work allows students to apply science skills to areas such as physiology, nutrition and reproduction.

- **Agricultural Economics** - In addition to patient care, every veterinarian is faced with practical management concerns of surviving in an ever-changing business environment. The agricultural economics specialty in pre-veterinary medicine combines science course work with the business skill sets needed to manage a practice.

- **Feed Science & Management** - Courses will focus on managing and serving the animal pet food industries in the pre-vet option of feed science and management major.

- **Food Science & Industry** - The pre-vet option in food science will allow students to take courses dealing with many physical, chemical and microbiological hazards related to the delivery of food.
ENVISION YOURSELF IN PRE-VETERINARY MEDICINE

PROFESSIONAL PROGRAM
The College of Veterinary Medicine was established in 1905. Since then, more than 6,000 men and women have been granted the doctor of veterinary medicine degree. The college’s nationally recognized instructional and research programs provide the highest standards of professional education. A rich, varied and extensive agricultural program in the area surrounding the college, a city with many pets and a zoo and referrals from surrounding states provide a wealth of clinical material for professional education in veterinary medicine.

ADMISSION REQUIREMENTS
Students admitted in the College of Veterinary Medicine are selected from qualified applicants after completing a minimum of 4 semester hours of preprofessional requirements. To be eligible for an interview, applicants must attain at least a 2.8 GPA in the preprofessional curriculum and in the last 45 hours of undergraduate college work. Applicants are required to submit scores for the general GRE. Applications are due each fall by September 15.

EARLY ADMISSIONS PROGRAM
The Veterinary Scholar’s Early Admission Program provides an admission opportunity for high school seniors when they enter K-State. The goals of the Early Admissions Program are to recruit exceptional candidates for admission to the College of Veterinary Medicine, maintain their career focus on veterinary medicine and provide career experiences. High school seniors with at least a 29 ACT score or equivalent SAT are eligible to apply. Information and applications are available at www.vet.k-state.edu/admit/early.htm

PREPROFESSIONAL REQUIREMENTS
The following preprofessional courses must be completed for admission into the College of Veterinary Medicine:

<table>
<thead>
<tr>
<th>COURSE</th>
<th>HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expository Writing I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>General Organic Chemistry and Lab</td>
<td>5</td>
</tr>
<tr>
<td>General Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>Physics I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Principles of Biology or Zoology*</td>
<td>4</td>
</tr>
<tr>
<td>Microbiology &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences &amp; Humanities</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>64</strong></td>
</tr>
</tbody>
</table>

These requirements can be completed in three years, but many students spend four years in academic preparation. To find out more about admissions requirements visit the College of Veterinary Medicine website: www.vet.k-state.edu

*Principles of Zoology is not a course offered at Kansas State University.

ACTIVITIES
The Pre-Veterinary Medicine Club brings together a diverse group of students interested in veterinary medicine. It provides useful information and practical experience to students wishing to pursue a career in veterinary medicine. Club members benefit from listening to speakers and participating in conferences and activities. Students interested in exotic animals can volunteer or intern at the Sunset Zoo to get practical experience and help with events, tours and special projects.

BACHELOR OF SCIENCE IN AGRICULTURE-VET MED
College of Agriculture students admitted into the College of Veterinary Medicine without a Bachelor of Science degree will be granted a Bachelor of Science degree in Agriculture after successfully completing two years of the professional program.

OUT-OF-STATE STUDENTS
Like all Kansas residents, out of state students who attend K-State for the majority of their preprofessional requirements, meet application requirements and have a 3.0 science GPA are usually invited for an interview to the College of Veterinary Medicine. This benefit significantly increases an applicant’s opportunity for admission.

CONTACT US
College of Veterinary Medicine
Kansas State University
101 Trotter Hall
Manhattan, KS 66506-2201
785-532-1262
www.vet.k-state.edu
vetmed@k-state.edu

Connect on social media:
@KSUCVM

Visit Campus • http://www.k-state.edu/admissions/visit/
WHAT IS WILDLIFE AND OUTDOOR ENTERPRISE MANAGEMENT?

This four-year university program is the first Bachelors of Science (BS) Degree to be created to train professional operational managers for hunting/shooting preserves and resorts, game bird production companies, fishing resorts and outdoor experience companies (i.e., trail riding, nature study, bird watching, back country hiking/camping, etc.).

While our students take courses in wildlife and fisheries management, this program is not a traditional wildlife and fisheries biology program of study. To create professional managers, this program incorporates a series of business, hospitality management, natural resources, wildlife and fisheries management courses with “in-the-field” outdoor skills courses. This program was designed with input from working professionals from across the United States.

INTERESTS

Exploring Nature
Wildlife
Camping
Hunting
Fishing
Hiking

SKILLS

Effective Communication
Outdoor Skills
Problem Solving
Critical Thinking
Management Skills

POSSIBLE CAREERS

Hunting Preserves
Gamebird Production
Outfitter Companies
Guide Services Companies
Shooting Sports Facilities
Fishing & Hunting Resorts
Outdoor Adventure Companies
Graduating from the WOEM program at Kansas State University is nothing but unique and special. Winning the National Championship of bass fishing is also just as extraordinary. I will forever cherish and remember both of these accomplishments.

TAYLOR BIVINS
wildlife and outdoor enterprise management graduate

SELECTIVE ADMISSIONS
Admission into our program is selective and based on past academic performance and experience. Students must be accepted at KSU first then apply for admission into the WOEM program in the spring. Typically, we select about 25 students each spring to begin classes in the fall semester.

INTERNISHIPS
Students in our WOEM program must complete an internship. These can vary widely in focus and geography. Past internships have included guiding exotic hunts in New Zealand, fly fishing services in Georgia, shotgun sports services in Kansas and elsewhere and managing big-game ranches in Texas.

CONTACT US
Department of Horticulture and Natural Resources
Kansas State University
1021 Throckmorton Hall
Manhattan, KS 66506-2201
785-532-6923
www.hnr.k-state.edu

Connect on social media:
K-State Horticulture and Natural Resources

Visit Campus • http://www.k-state.edu/admissions/visit/
HELP YOUR STUDENTS START THEIR JOURNEY

- **Apply for admission to K-State**
  Priority scholarship deadline for incoming freshmen: November 1.

- **Apply for funding**
  Complete the FASFA by December 1.

- **Attend Ag Experience Day**
  Students can pair up with an Ag Ambassador and experience life as a student.
  Learn more at [ag.ksu.edu/agexperience](http://ag.ksu.edu/agexperience).

- **Attend Orientation and Enrollment**
  Incoming freshmen attend in June or August.
  Students should watch their inbox for an email informing them of upcoming dates.

- **Contact your advisor**
  After enrollment, students will be matched with an advisor.

- **Enjoy life as a K-State ag student**
  Feel free to reach out to us if you need anything.

**LEARN MORE**
Apply, explore and get acquainted with the College of Agriculture.
Visit [ag.ksu.edu](http://ag.ksu.edu) for more information.
Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religious beliefs, age, ancestry, disability, genetic information, veteran status, or other status prohibited by applicable law in its programs and activities. Questions regarding compliance may be directed to the Director of Institutional Equity, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6220, or email equity@k-state.edu. The campus ADA Coordinator is the Director of Employee Relations, 103 Edwards Hall, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277.