



TEXAS A&M UNIVERSITY
College of Agriculture
& Life Sciences

AgLifeSciences.tamu.edu

CHOOSE A
MAJOR.
CHANGE
THE FUTURE.

Undergraduate Majors






Business and Industry

MAJORS AND CAREERS

Agribusiness

This program applies the principles of management, finance, and marketing to the unique needs of the agricultural market.

 Financial Analyst/Planner, Lawyer, Banker, Business Developer, Consultant

 Contact: 979-845-4911 or agecon.tamu.edu

Agricultural Economics

Gain a strong background in applied economics, business principles, and leadership while studying a broad range of issues in agriculture, food, and managerial and resource economics.


 Investment Banker, Lawyer, Real Estate Agent, Loan Officer, Commodity Trader, Actuary Risk Analyst, Business Owner, Sales Representative

 Contact: 979-845-4911 or agecon.tamu.edu

University Studies – Environmental Business

Based on a unique core of business, environmental science, and ecology coursework, this degree can be customized for various directions in the environmental industry.

 Public Relations or Public Service Professional, Environmental Project Manager, Environmental Consultant, Business Owner

 Contact: 979-845-2388 or plantpathology.tamu.edu


Engineering and Technology

MAJORS AND CAREERS

Agricultural Systems Management


Prepare to manage people, money, and machines in the food and agricultural industries. Students gain practical experience in food-processing systems, water management, power systems, and electronics.


 Technical Support Specialist, Irrigation Systems Manager, Project Administrator, Staff Consultant

 Contact: 979-845-0609 or baen.tamu.edu

Biological and Agricultural Engineering

Learn to apply science, math, and engineering principles toward enhancing the world's supply of food, fiber, clean water, energy, and other resources.


 Environmental Engineer, Agricultural Engineer, Bioenergy Analyst, Food Process Engineer, Air Quality Specialist, Mechanical Systems Engineer

 Contact: 979-845-0609 or baen.tamu.edu

Spatial Sciences

Become skilled in using geographic information systems (GIS), the Global Positioning System (GPS), and satellite remote sensing (RS) to aid decision-making in business, science, and government. Jointly administered with the College of Geosciences.

 Software Developer, GPS Analyst, Homeland Security Analyst, Urban Land Manager, Geographic Information Systems Specialist

 Contact: 979-845-5033 or essm.tamu.edu

Environment and Conservation

MAJORS AND CAREERS

Bioenvironmental Sciences

This interdisciplinary degree focuses on solving environmental problems. Students may study environmental hazards and regulations, alternative energy, environmental sampling, pathogens and plant diseases, or other areas.

Environmental Consultant, Environmental Investigator, Municipal Waste Manager, Scientific Researcher, Lawyer, Environmental Policy Analyst

Contact: 979-845-2388 or plantpathology.tamu.edu

Ecological Restoration

Focused on restoring and reclaiming damaged lands, this program prepares for careers and advanced degrees in restoration ecology, disturbed-land reclamation, or natural resources management.

Land Reclamation Specialist, Environmental Consultant, Environmental Lawyer, Conservation Specialist, Scientific Researcher

Contact: 979-845-5033 or essm.tamu.edu

Environmental Studies

This interdisciplinary program covers the political, regulatory, and economic forces influencing environmental issues.

Natural Resource/Environmental Policy Analyst, Regulatory Compliance Specialist, Energy Consultant, Lawyer

Contact: 979-845-2388 or plantpathology.tamu.edu

Forestry

Prepare to manage, conserve, and restore forests or conduct forest research, providing for timber, water, wildlife, and recreation.

Forester, Forestry Consultant, Conservation Specialist, Tree Management Analyst, Extension Specialist

Contact: 979-845-5033 or essm.tamu.edu

Plant and Environmental Soil Science

Students in this major learn to develop innovative, sustainable solutions in crop production or environmental protection.

Natural Resource Manager, Crop Protection Specialist, Agronomy Sales and Service Representative, Mine Reclamation Consultant, Plant Geneticist, Environmental Consultant, Soil and Water Analyst

Contact: 979-845-3041 or soilcrop.tamu.edu

Rangeland Ecology and Management

This program covers sustainable and profitable land-management practices and the relationships among plants, soil, and water.

Range Management Specialist, Ranch Manager, Environmental Consultant, Game Warden, Land Management Consultant, Natural Resource Planner

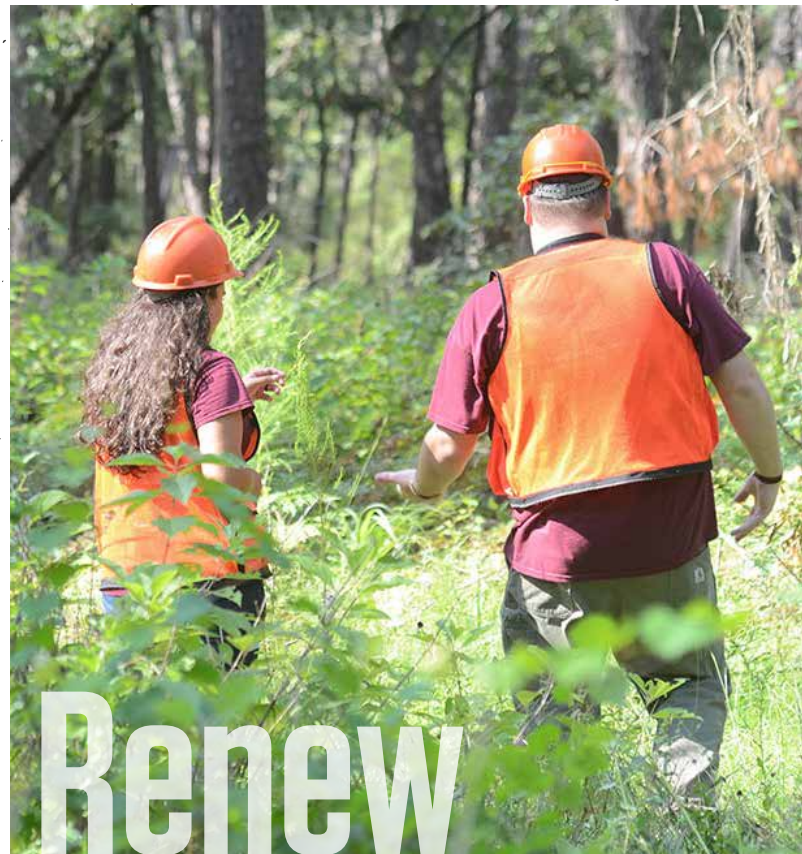
Contact: 979-845-5033 or essm.tamu.edu

Renewable Natural Resources

Design a curriculum in natural resources and ecology, wildlife, recreation, and water to prepare for a broad range of careers.

Environmental Consultant, Lawyer, Resource Inventory Analyst, Conservation Specialist, Game Warden, Regulatory Compliance Agent, Government Agent

Contact: 979-845-5033 or essm.tamu.edu



Renew





Food, Animals, and Plants

MAJORS AND CAREERS

Animal Science

Covering equine, livestock management, and meat science, this degree trains students in animal nutrition, physiology, breeding, and genetics.

-  Veterinarian/Doctor, Animal Geneticist, Food Safety Inspector, Ranch Manager, Meat Scientist, Reproduction Scientist
-  Contact: 979-845-1541 or animalscience.tamu.edu



Entomology

By studying insects, students prepare to solve some of the toughest problems in human and animal health and food production.

-  Doctor, Regulatory Entomologist, Pest Management Specialist, Agrochemical Industry Manager, Veterinarian, Biologist, Pharmaceutical Salesperson, Medical Entomologist, Military Entomologist
-  Contact: 979-845-2516 or entomology.tamu.edu



Food Science and Technology

Prepare to develop new food products, design innovative processing technologies, improve foods' nutritional value, and enhance food safety.

-  Food Product Developer, Quality Assurance Manager, Food Chemist, Food Marketer, Research Scientist, Processing Plant Manager
-  Contact: 979-845-2142 or nfs.tamu.edu



Horticulture

Bachelor of Science graduates work in science and biotechnology or manage urban gardens. Bachelor of Arts graduates design interiorscapes, plan receptions, or pursue other artistic careers in horticulture.

-  Plant Geneticist, Event Planner, Floral or Landscape Designer, Consultant, Vineyard Manager, Horticultural Therapist, Sustainable Urban Agriculture Coordinator
-  Contact: 979-845-5341 or hortsciences.tamu.edu



Poultry Science

To fill the high demand for professionals in poultry science, students train in bird production, processing, and business management, and cover research in genetics and physiology.

-  Veterinarian, Poultry Nutritionist, Grocery Supplier/Distributor, Quality Control Officer, Live Production Specialist, Processing Supervisor, Product Developer
-  Contact: 979-845-1931 or posc.tamu.edu

Turfgrass Science

Students prepare to enter careers in the research, production, or management of residential and industrial green spaces.

-  Golf Course Superintendent, Sports Field Manager, Commercial Landscaper, Grass Improvement Researcher, Sales and Service Representative, Sod Production Specialist
-  Contact: 979-845-3041 or soilcrop.tamu.edu

Wildlife and Fisheries Sciences

Students gain understanding and skills for management of aquatic and terrestrial animals. Students also learn to preserve natural ecologies and to research ecosystems.

-  Veterinarian, Wildlife Manager, Game Warden, Conservation Scientist, Biologist, Ecologist, Environmental Consultant
-  Contact: 979-845-5708 or wfsc.tamu.edu




Solve

Medicine, Health, and Life Science

MAJORS AND CAREERS

Biochemistry

Studying life from the molecular level to the most complex organisms, graduates work in all areas of the life sciences.

 Doctor, Pharmacist, Biochemist, Microbiologist, Medical Researcher

 Contact: 979-845-0198 or biochemistry.tamu.edu

Genetics

Each student learns the building blocks of heredity and their influence, from molecules to populations, in this rapidly developing field.


 Doctor, Geneticist, Cell Biologist, Medical Researcher

 Contact: 979-845-0198 or biochemistry.tamu.edu

Nutritional Sciences


Gain a solid foundation in the biological and social sciences of food and human nutrition.

 Doctor, Dietitian, Wellness Specialist, Outreach Specialist, Pharmaceutical Salesperson

 Contact: 979-845-2142 or nfs.tamu.edu

Forensic and Investigative Sciences

Students learn how to use the life sciences to analyze crime scene evidence or solve mysteries in industrial, regulatory, or medical settings.

 Crime Scene Investigator, Forensic Investigator, Lawyer, Forensic Researcher, FBI Agent, Doctor, Medical Examiner, Nurse, Law Enforcement Agent


 Contact: 979-845-2516 or entomology.tamu.edu


People and Connections

MAJORS AND CAREERS

Agricultural Communications and Journalism


One of the few communications programs nationwide focusing on agriculture, this degree prepares students for a career in any media.


 News Anchor, Public Relations Manager, Advertising Copy Writer, Editor, Photographer, Broadcast Journalist, Graphic/Web Designer

 Contact: 979-862-3001 or alec.tamu.edu

Agricultural Leadership and Development

Covering the human dimension of the agriculture industry, this program teaches skills in business, human relations, multiculturalism, policy, technology, and agricultural and biological sciences.

 Lawyer, Sales Executive, Public Relations or Public Service Professional, Community Service (Nonprofit) Agent, Leadership Consultant

 Contact: 979-862-3001 or alec.tamu.edu

Agricultural Science


Students focus on a topic in agriculture and life sciences and conduct teaching to earn their agricultural science teacher certification along with their degree.

 Agricultural Science Teacher, Extension Agent, Teacher

 Contact: 979-845-5622 or alec.tamu.edu

Recreation, Park and Tourism Sciences


Students learn to apply policy development and research to the management of parks and development of community infrastructure, youth programming, and tourism.


 Community Recreation Planner, Resort or Hotel Manager, Eco- and Adventure Tourism Planner, State or National Park Manager, Camp Director

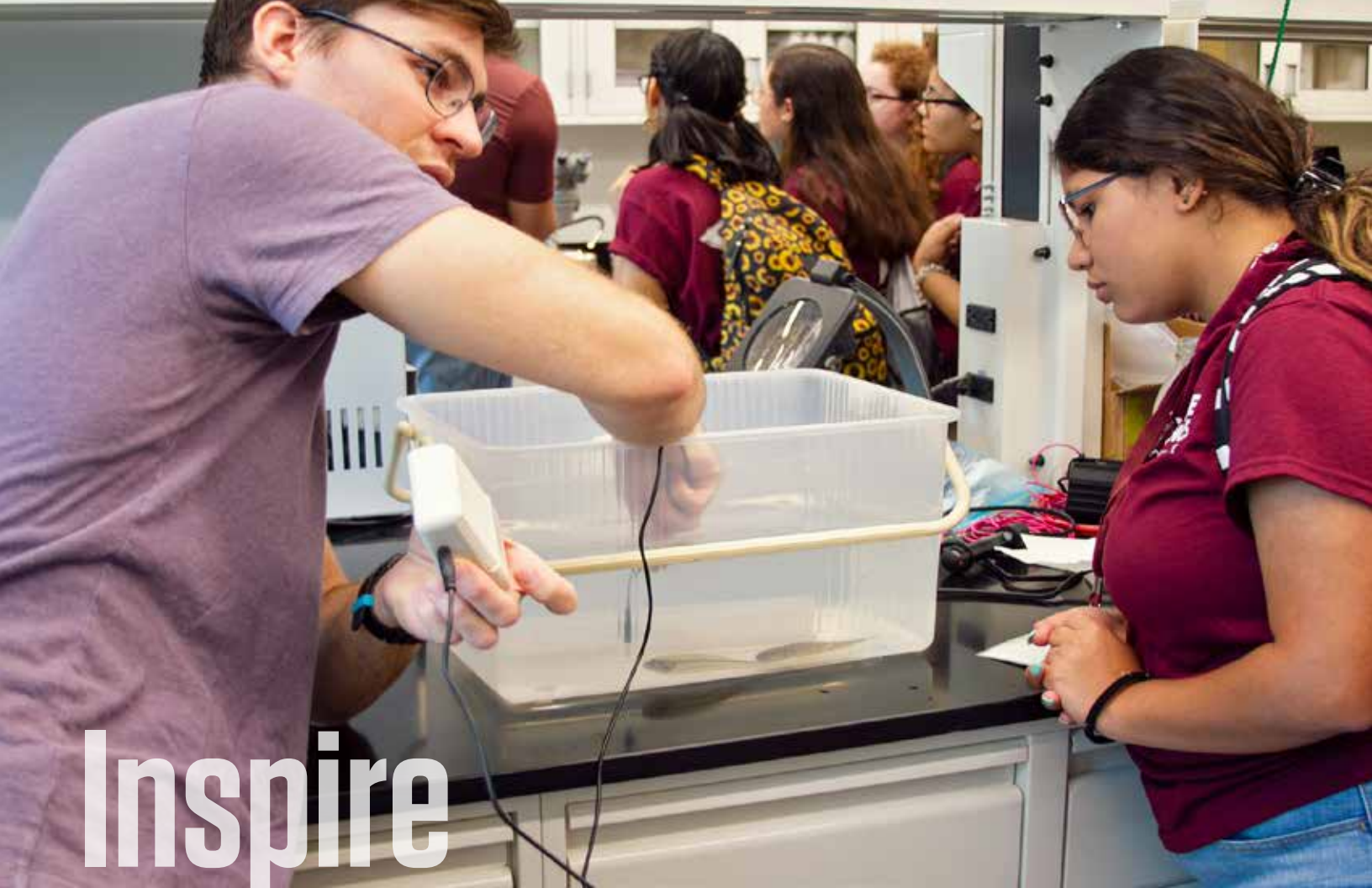
 Contact: 979-845-5411 or rpts.tamu.edu

University Studies – Leadership Studies

Students practice leadership theory, including group dynamics and change management, and complete two minors in this interdisciplinary program.

 Nonprofit Staff Member, Lawyer, Public Service Agent, Military Member, Business Owner

 Contact: 979-862-3001 or alec.tamu.edu



Inspire

► For More Information

Academic Dean's Office
Texas A&M University
600 John Kimbrough Blvd., Suite 515
College Station, TX 77843-2402
979-845-3712

 AgLifeSciences.tamu.edu

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Texas A&M University has a strong commitment to diversity in all areas. In that spirit, admission to Texas A&M University and any of its sponsored programs is open to all qualified individuals.

Texas A&M does not discriminate on the basis of an individual's disability in its admissions, accessibility, treatment, and employment of students in its programs and activities.



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