

EXTRAORDINARY HAPPENS HERE



BE BOLD. Shape the Future.
College of Agricultural, Consumer
and Environmental Sciences





DEAN'S MESSAGE



Rolando A. Flores, Dean

Welcome to the College of Agricultural, Consumer and Environmental Sciences (ACES)! We are here to help you achieve your educational goals. We want you to succeed and will assist you in every aspect of your college career — advising, financial aid, scholarships, mentoring, counseling and career planning. Do not hesitate to contact our dedicated faculty and staff at any time.

Our college includes a broad range of disciplines: agriculture, family and consumer sciences, wildlife and natural resources conservation and management, community economic development, and hotel, restaurant and tourism. We help people become veterinarians, physicians, dieticians, hotel managers, food scientists, soil scientists, and of course, farmers and ranchers, which are just a few of the more than 100 career paths possible within the college.

In ACES, you will find a great career path, a wonderful group of students who care about each other, and encouragement to explore opportunities to expand your horizons by participating in internships and international educational programs. In addition, you have many opportunities through clubs and organizations to help you develop personally.

JOIN US AND BECOME A MEMBER OF THE ACES FAMILY!

A handwritten signature in black ink, likely belonging to Rolando A. Flores, the Dean. The signature is stylized and fluid, with a long horizontal line extending to the right.



In the fall, ACES welcomes the freshmen class with a Sam Steel Paint-Branding Ceremony, launching them into their exciting and challenging college career at NMSU. Upon graduation, seniors are inducted into the Sam Steel Society, making them a part of a time-honored tradition of **MORE THAN 125 YEARS**. The college's first intended graduate, Sam Steel, inspired this brand. Hundreds of Aggies have left their legacy at NMSU.

SAM STEEL
SOCIETY
MARK OF TRADITION

WHAT LEGACY WILL YOU LEAVE?

FIND YOUR **PASSION**

WE CAN HELP YOU REACH YOUR GOALS!

Here, you will gain the knowledge and skills needed to succeed in a variety of industries. We offer 22 bachelor's, 13 master's and four doctoral degree programs designed to prepare you to compete in today's modern world.

You will discover and have access to cutting-edge technology and valuable resources, such as our state-of-the-art culinary lab, Arid Land research lab (which features an electron microscope), Chile Pepper Institute, student gardens and multiple animal science research facilities.

Learning opportunities are also available through NMSU's Agricultural Experiment Station system with locations on campus and at 12 research centers across the state. In addition to improving the state's agricultural industry, our researchers strive to sustain our natural resources and improve the quality of our lives.

In addition, NMSU's Cooperative Extension Service provides practical, research-based knowledge throughout New Mexico and beyond. Extension staff is located in all 33 counties and tribal offices. They deliver 4-H programs, conduct trainings, and share research-based information about livestock, nutrition, horticulture and many other topics.



SCHOLARSHIPS

A CES is proud to award more than \$550,000 to deserving students every year. Below you will find important information relevant to the application and award process. If you have any questions regarding scholarships, visit scholarships.nmsu.edu. For more information, call the ACES scholarship office at **575-646-3210**.

PROCESS

- Complete a Free Application for Federal Student Aid (FAFSA) at **fafsa.ed.gov**. List NMSU as a school of choice on the FAFSA. The results will be sent directly to the university to develop your financial aid packet including eligibility for university scholarships, grants and loans. (International students are not eligible.)
- Fill out a scholarship application online at **scholarships.nmsu.edu**.
- These items should be done by March 1 to make certain that you are considered for all scholarships.
- Should you receive a scholarship, you will be notified by email with an award letter stating the scholarship and the amount.

NOTE: The scholarships are individually matched by academic/civic achievement. The sum is contingent upon the scholarship guidelines and your financial need as per the FAFSA.

MAJOR CHOICES

College graduates with expertise in food, agriculture, natural resources and the environment are critical in the effort to sustainably feed and clothe the 9 billion people projected to live on Earth by 2050. Graduates will be expected to provide global leadership in developing and maintaining sustainable food systems. Career prospects for students in agriculture are positive! The USDA projects that there will be more annual job openings for college graduates with agricultural expertise than there will be graduates. Almost half (46 percent) of the opportunities will be in management and business!¹ Discover how our degrees will prepare you for a rewarding career!

¹ <https://www.purdue.edu/usda/employment/management-business/>

DEPARTMENT OF **AGRICULTURAL ECONOMICS AND AGRICULTURAL BUSINESS**

Programs in the Department of Agricultural Economics and Agricultural Business will help you prepare to assist agricultural producers, agribusiness managers and government agencies meet the challenges of feeding the world in the 21st century while maintaining our natural resources. You'll have the opportunity to work with award-winning teachers and researchers in exploring opportunities within the entire food and fiber supply chain, from input suppliers and agricultural producers, to retail food outlets and consumers.

BACHELOR OF SCIENCE IN AGRICULTURE



MAJORS:

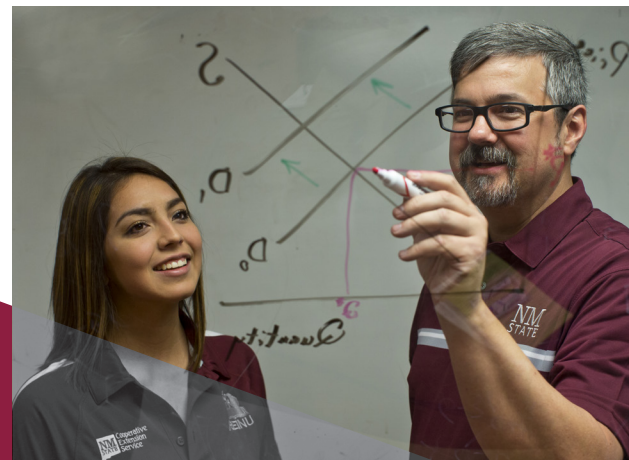
Agricultural Economics and Agricultural Business
Natural Resource Economics and Policy

MINORS:

Agricultural Business Management, Natural
Resource Economics

AEAB CAREERS:

- Sales and Service Representative
- Marketing Specialist
- Financial Analyst
- Ag Product Merchandiser
- Agricultural Loan Officer
- E-commerce Specialist
- Business manager



DEPARTMENT OF AGRICULTURAL AND EXTENSION EDUCATION



We are dedicated to molding students into agricultural leaders. Our graduates have a broad understanding of agriculture, strong communication skills, applied leadership experiences and specialized training in individual interest areas. Our alumni work in a variety of fields, including domestic and international community development, agricultural education, cooperative extension, agricultural communications and government.

BACHELOR OF SCIENCE IN AGRICULTURE

MAJOR:

Agricultural and Extension Education

CONCENTRATIONS: Agricultural Education, Agricultural Communications, Advanced Technology Education

MAJOR:

Agriculture and Community Development

CONCENTRATIONS: Extension, Government/ Industry, International

MINORS:

Agricultural and Extension Education, Agricultural and Natural Resource Leadership



AXED CAREERS:

- Agricultural Teacher
- Extension/4-H Agent
- Community Developer
- Public Relations
- Journalist



DEPARTMENT OF **ANIMAL AND RANGE SCIENCES**

Department of Animal and Range Sciences (ANRS) programs provide endless possibilities for all individuals in areas ranging from land management and production animal science to pre-veterinary medicine. On-campus animal facilities provide the very best of hands-on academic instruction. NMSU is a university with high research activity and ANRS is a leading research department. We are constantly developing innovative ideas for the agriculture industry. Our program is in line with the NMSU Osteopathic Medicine Pathway Program to Burrell College of Osteopathic Medicine.

BACHELOR OF SCIENCE IN AGRICULTURE

MAJOR:

Animal Science

CONCENTRATIONS: Animal Industry, Science

MAJOR:

Rangeland Resources

MINORS:

Human-Animal Interaction (HAI), Horse Management, Ranch Management, Range Science, Livestock Production, Dairy Science

ANRS CAREERS:

- Animal Health Salesperson
- Veterinarian
- Feedlot Manager
- Equine Facility Manager
- Range Conservationist/NRCS
- BLM

DEPARTMENT OF ENTOMOLOGY, PLANT PATHOLOGY AND WEED SCIENCE

Our department offers a strong science degree and research experience in a friendly environment. Faculty members establish one-to-one relationships with each student. The agricultural biology major is ideal for those students interested in pursuing advanced degrees, preparing for admittance to professional schools (medical school, chiropractic, etc.) and those wanting to work in the commercial and government sectors. Hands-on experience is available through summer jobs, internships and research projects.

BACHELOR OF SCIENCE IN AGRICULTURE

MAJORS:

Agricultural Biology, General Agriculture

CONCENTRATIONS: Applied Biology, Applied Microbiology, Entomology, Environmental Biology, Pest Biology and Management

MINORS:

Entomology, Pest Management, Plant Pathology, Weed Science

EPPWS CAREERS:

- Extension Agent/Conservationist
- Health Care Provider
- Plant Protection and Quarantine Inspector
- Educator



DEPARTMENT OF **FAMILY AND CONSUMER SCIENCES**

The Department of Family and Consumer Sciences will prepare you for a rewarding career through classroom study, hands-on training and mentorship by outstanding professors. Students enjoy helping people live healthier lives, strengthening couple and family relationships, teaching life skills, fashion design and merchandising, and developing new food products. All of our professors are experts in their fields.

BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES

MAJORS:

Clothing, Textiles and Fashion Merchandising; Family and Child Science; Family and Consumer Sciences Education; Human Nutrition and Dietetic Sciences

CONCENTRATIONS: Dietetics, Nutritional Education



BACHELOR OF SCIENCE IN FOOD SCIENCE AND TECHNOLOGY

MAJOR:

Food Science and Technology

MINORS:

Clothing, Textiles and Fashion Merchandising; Culinary Science; Family and Child Science; Food Science; Nutrition

FCS CAREERS:

- Registered Dietitian
- Food Product Developer
- Merchandising and Retail Management
- Middle or High School Teacher
- Parent Educator



DEPARTMENT OF **FISH, WILDLIFE AND CONSERVATION ECOLOGY**

Through lecture courses, labs, hands-on field experience and internships, the Department of Fish, Wildlife and Conservation Ecology will prepare you for a career in a variety of natural resource fields related to the conservation and management of fish and wild animal populations, the natural systems they perpetuate and the habitats they use. This major can also be used for pre-veterinary medicine. This vibrant research department with internationally recognized professors engages students at all levels with hands-on research experiences.

BACHELOR OF SCIENCE IN FISH, WILDLIFE AND CONSERVATION ECOLOGY

MAJOR:

Fish, Wildlife and Conservation Ecology

CONCENTRATIONS: Wildlife Ecology and Management, Aquatic Ecology and Management

BACHELOR OF SCIENCE CONSERVATION ECOLOGY

MAJOR:

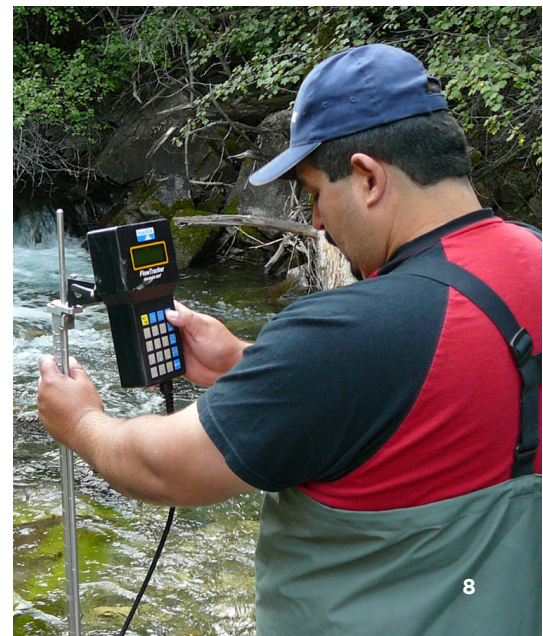
Conservation Ecology

MINORS:

Fish, Wildlife and Conservation Ecology; Conservation Ecology

FCWE CAREERS:

- | | |
|-----------------------------------|----------------------------------|
| ▪ Wildlife or Fisheries Biologist | ▪ Aquarium Biologist |
| ▪ Game Warden | ▪ Park Ranger |
| ▪ Conservation Ecologist | ▪ Habitat Restoration Specialist |
| ▪ Natural Resource Specialist | ▪ Endangered Species Biologist |
| ▪ Zoo Biologist | |



DEPARTMENT OF PLANT AND ENVIRONMENTAL SCIENCES

The Department of Plant and Environmental Sciences has an experienced and internationally-recognized faculty with varied specialties, including plant breeding, genetic engineering, biotechnology, ornamental plant production, landscape design, horticulture, turfgrass management, sustainable crop production, soil remediation and environmental science. We are committed to providing an outstanding education through classroom and individualized instruction, as well as through hands-on, real-world learning in internships, externships, experiential class projects and employment in the department.

BACHELOR OF SCIENCE IN AGRICULTURE

MAJOR:

Agronomy

CONCENTRATIONS: Crop Consulting,
General Agronomy

MAJOR:

Horticulture

CONCENTRATIONS: Ornamental Horticulture,
Landscape Design, Horticulture Business, Crop
Consulting, General Horticulture

MAJOR:

Soil Science

CONCENTRATIONS: Soils; Environment and Resource
Management; Soil and Water Science

MAJOR:

Turfgrass Science and Management

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

MAJOR:

Environmental Science

BACHELOR IN OF SCIENCE GENETICS

MAJOR:

Genetics and Biotechnology

MINORS:

Agronomy, Environmental Science, Horticulture, Soil
Science, Turfgrass Management, Genetics and Biotechnology

PES CAREERS

- Geneticist / Biotechnologist
- Environmental Scientist / Crop Consultant
- Green Industry Professional
- Horticulturist



SCHOOL OF HOTEL, RESTAURANT AND TOURISM MANAGEMENT

NMSU offers the state's only bachelor's degree in Hotel, Restaurant and Tourism Management. The program is home to a diverse, student-centered faculty who personally mentor students. Work experiences and internships open the door for students to gain valuable hospitality experience prior to graduation. Over \$25,000 in scholarships are available annually through the school. In addition to taking applied business classes in areas such as accounting, human resources and hotel operations, students receive practical, hands-on education in our food production and service lab facilities – including 100 West Café, a student-run restaurant and the Bobby Lee Lawrence Academy of Wine. Starting in Spring 2019, students will have the opportunity for jobs and internships at the Courtyard by Marriott next to the NMSU campus.

BACHELOR OF SCIENCE IN HOTEL, RESTAURANT AND TOURISM MANAGEMENT

MAJOR:

Hotel, Restaurant and Tourism Management

MINORS:

Hotel, Restaurant and Tourism Management; Culinary Science

HRTM CAREERS

- Hotel and Resort Management
- Restaurant Management
- Hospitality Sales and Marketing
- Meetings, Conventions and Special Events
- Tourism and Destination Management



GRADUATE **PROGRAMS**

Are you looking to invest in your future by positioning yourself for career opportunities requiring advanced degrees?

The College of Agricultural, Consumer and Environmental Sciences (ACES) is home to seven academic departments and one school that offer a wide selection of highly reputable masters and doctoral degree programs. These graduate programs allow students to gain specialized knowledge and professional skills to become intellectual leaders in disciplines that deeply interest them. Below is a selection of graduate degrees offered by academic departments in the College of ACES.

AGRICULTURAL ECONOMICS AND AGRICULTURAL BUSINESS

- Master of Agriculture with specialization in Agribusiness
- Master of Science in Agricultural Economics
- Master of Business Administration specializing in Agribusiness
- Doctor of Economic Development

AGRICULTURAL AND EXTENSION EDUCATION

- Master of Arts in Agricultural Extension Education

ANIMAL AND RANGE SCIENCES

- Master of Agriculture with specialization in Domestic Animal Biology
- Master of Science in Animal Science
- Master of Science in Range Science
- Doctor of Philosophy in Animal Science
- Doctor of Philosophy in Range Science

ENTOMOLOGY, PLANT PATHOLOGY AND WEED SCIENCE

- Master of Science in Agricultural Biology

FAMILY AND CONSUMER SCIENCES

- Master of Science in Family and Consumer Sciences

FISH, WILDLIFE AND CONSERVATION ECOLOGY

- Master of Science in Wildlife Sciences

PLANT AND ENVIRONMENTAL SCIENCES

- Master of Science in Plant and Environmental Sciences
- Master of Science in Horticulture
- Doctor of Philosophy in Plant and Environmental Sciences

INTERDISCIPLINARY DEGREE PROGRAMS

- Master of Science in Water Science & Management
- Doctor of Philosophy in Water Science & Management

FOR MORE INFORMATION:

aces.nmsu.edu/academics/graduate-programs

GLOBAL INITIATIVES PROGRAM

The Global Initiatives Program aims to encourage, recognize and support international travel of NMSU students and faculty who lead international work. The program also focuses on increasing the presence of the College of Agricultural, Consumer and Environmental Sciences (ACES) in the global arena to attract more students, thereby increasing New Mexico's potential for economic development.

The College of ACES is committed to collaborating with Universities around the world to develop targeted trainings for students, subject matter for experts and farmers, and exchange programs for University professors and students. Training programs take place on the NMSU campus or via distance learning methods.

FOR MORE INFORMATION CONTACT:

Dr. Manoj K. Shukla

Global Programs Coordinator

shuklamk@nmsu.edu

aces.nmsu.edu/global/





College of Agricultural, Consumer and Environmental Sciences
New Mexico State University
aces.nmsu.edu

MSC 3AG
New Mexico State University
P.O. Box 30003 Las Cruces, N.M.
88003-9983
575-646-1807

Agricultural Economics and Agricultural Business
575-646-3215
aeab.nmsu.edu

Agricultural and Extension Education
575-646-4511
axed.nmsu.edu

Animal and Range Sciences
575-646-2514
anrs.nmsu.edu

Entomology, Plant Pathology and Weed Science
575-646-3225
eppws.nmsu.edu

Family and Consumer Sciences
575-646-3936
fcs.nmsu.edu

Fish, Wildlife and Conservation Ecology
575-646-1544
fwce.nmsu.edu

Plant and Environmental Sciences
575-646-3405
pes.nmsu.edu

**School of Hotel, Restaurant and
Tourism Management**
575-646-5995
hrtm.nmsu.edu