

Cultivating the Future through Agriculture



BE BOLD. Shape the Future.[®]
**College of Agricultural, Consumer
and Environmental Sciences**





NMSU AND COVID-19

Many photos in this publication were created prior to the COVID-19 pandemic, before rules regarding masks and social distancing, among others, took effect. For information on how the NMSU community works to stay safe, go to now.nmsu.edu.

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Academics

The College of ACES is home to seven academic departments and one school offering 22 undergraduate majors, 13 master's programs and four Ph.D. programs.

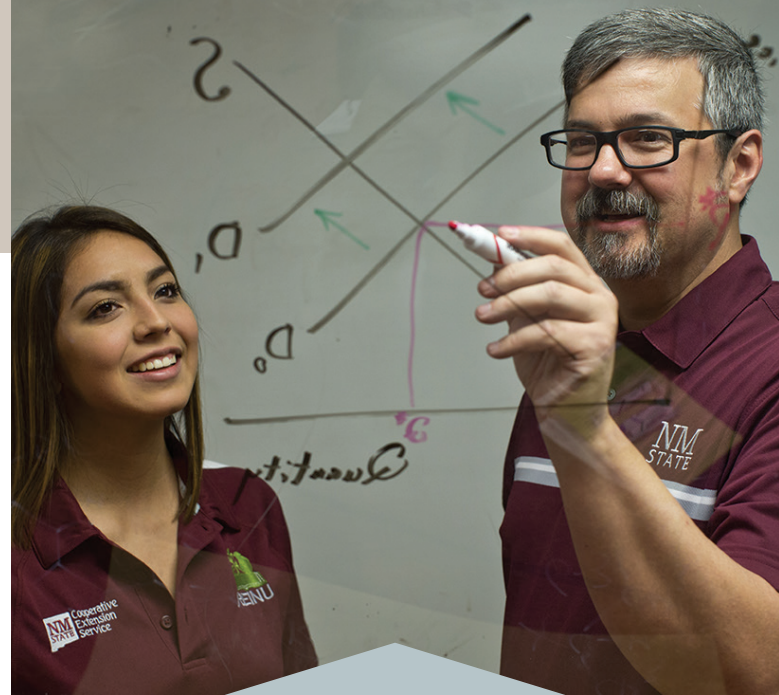
Scholarships

ACES is proud to award more than \$600,000 to deserving students every year. For more information regarding scholarships, visit scholarships.nmsu.edu or call the ACES scholarship office at 575-646-1807.

We invite you to invest in the College of ACES by making a gift today at advancing.nmsu.edu/givenow. Please contact 575-646-6495 or acesgiving@nmsufoundation.org to learn more.

Benefits to Graduates

Career prospects for students in agriculture are positive! Our degrees prepare graduates to engage in industries that serve all consumers. ACES majors and departments are both agriculturally oriented and consumer-driven, and all promise rewarding careers.



The College of ACES Academic Programs office provides each student with the highest-quality educational experience. An engaging, welcoming environment fosters the development of students' educational goals and objectives as they pursue their future careers.

DEPARTMENT OF **Agricultural and Extension Education**

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 **Agricultural Economics and Agricultural Business**

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

- Marketer
- Online Sales Associate
- E-commerce Specialist
- Financial Advisor
- Lender
- Credit Analyst
- Insurance Agent
- Operations Manager
- Field Technical Services/Niche Production System Specialist
- Business Consultant
- Entrepreneur
- Self-employed Worker

School-Based Agricultural Education

Preparing students for careers in global agriculture, food, fiber and natural resource systems



DEPARTMENT OF **Animal and Range Sciences**

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
- Bureau of Land Management Ranger
- Agricultural Teacher
- Extension/4-H Agent
- Animal Protection and Quarantine Inspector
- Educator

DEPARTMENT OF **Entomology, Plant Pathology and Weed Science**

Bachelor of Science in Agriculture

Majors: Agricultural Biology

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

Major: General Agriculture

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**

Bachelor of Science in Family and Consumer Sciences

Majors: Fashion Merchandising and Design, Human Development and Family Science, Family and Consumer Sciences Education, Human Nutrition and Dietetic Sciences

Concentrations: Pre-Dietetic/Dietetics, Nutritional Education

Bachelor of Science in Food Science and Technology

Major: Food Science and Technology

Concentrations: Culinary Science, Meat Science, Science Technology and Engineering

Minors: Clothing Textiles and Fashion Merchandising, Culinary Science, Food Science, Nutrition, Child Advocacy Studies, Family and Child Science

FCS Careers

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

DEPARTMENT OF **Fish, Wildlife and Conservation Ecology**

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 in Conservation Ecology

Major: Conservation Ecology

Minors: Fish, Wildlife and Conservation Ecology, Conservation Ecology

FWCE Careers

- Wildlife or Fisheries Biologist
- Game Warden
- Conservation Ecologist
- Natural Resource Specialist
- Zoo or Aquarium Biologist
- Science Teacher
- Veterinarian
- Park Ranger
- Habitat Restoration Specialist
- Ecologist or Environmental Scientist
- Endangered Species Biologist

DEPARTMENT OF **Plant and Environmental Sciences**

Bachelor of Science in Agriculture

Major: Agronomy

Concentrations: Crop Consulting, General Agronomy

Major: 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 of Science in 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
- Medical Professional
- Ecological Project Manager

SCHOOL OF **Hotel, Restaurant and Tourism Management**

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 Manager
- Restaurant Manager/Owner
- Hospitality Salesperson and Marketer
- Conventions and Special Events Coordinator
- Tourism and Destination Manager
- Culinary Arts Teacher



Agricultural Experiment Station

NMSU's Agricultural Experiment Station (AES) is the principal research unit of the College of ACES and consists of scientists on NMSU's Las Cruces campus and at agricultural science centers across New Mexico. The AES system supports fundamental and applied science and technology research to benefit New Mexico's citizens in the economic, social and cultural aspects of agriculture, natural resources management and family issues.

The Agricultural Experiment Station supports research designed to:

- Enhance agricultural profitability
- Stimulate economic development using natural resources
- Improve the quality, safety and reliability of food and fiber products
- Sustain and protect the environment with ecologically sound practices
- Manage and protect natural resources
- Improve the quality of life for the people of New Mexico

For more information about NMSU AES, visit aces.nmsu.edu/aes or contact 575-646-3125.



Cooperative Extension Service

The Cooperative Extension Service (CES) delivers practical, research-based knowledge and programs that improve New Mexicans' quality of life. CES staff are located in all 33 counties and many tribal areas in New Mexico. Every year, Extension faculty reach over 550,000 New Mexicans who benefit from wide-ranging CES educational programs in areas including:

- Economic development
- Energy and water
- Farm and ranch
- Food and nutrition
- Health and family wellbeing
- Natural resources
- Yard and garden
- 4-H youth development

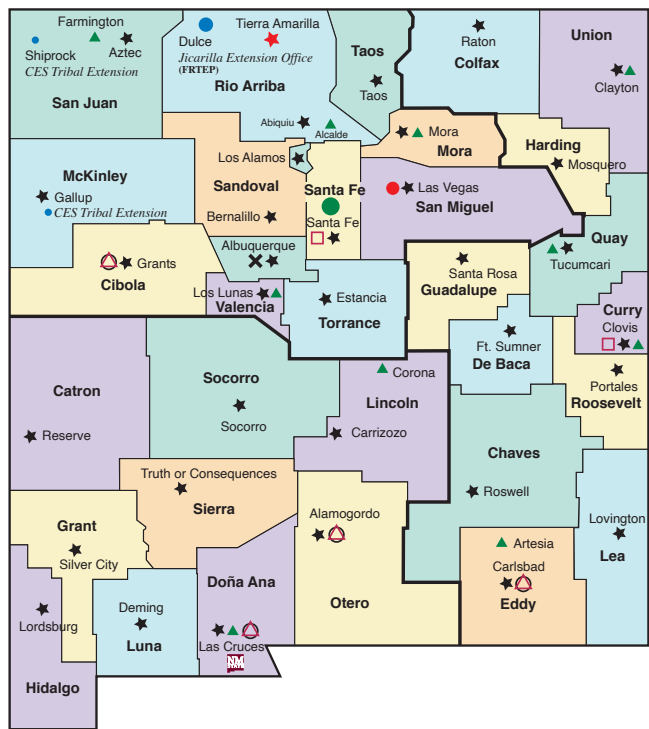
For more information about NMSU CES, visit extension.nmsu.edu or contact 575-646-3015.

Extension How-To Publications

NMSU's CES frequently publishes how-to guides and circulars. Digital publications are available at aces.nmsu.edu/pubs. Printed copies of certain publications may also be available at each county Extension office. To locate your county Extension office, visit aces.nmsu.edu/county.

Locate Your Off-Campus Office

Northern Extension District



Facility Locations

- ★ County Extension Offices
- ★ County Extension Satellite Office
- Tribal Extension Offices
- Federally Recognized Tribes Extension Program (FRTEP)
- Cooperative Extension Service District Offices
- ▲ Agricultural Science and Research Centers
- ★ NMSU Community Colleges
- ✕ NMSU Albuquerque Center
- Santa Fe Ranch Demonstration Site
- NMSU Main Campus
- Extension and Research Youth Agricultural Science Center

ACES Special Initiatives

The College of ACES is aggressively involved in finding solutions to current problems in New Mexico. Many of our research and community educational programs are guided by community advisory groups, which help focus our efforts on improving the economic and environmental conditions and personal quality of life in our communities.



ACES Global Initiatives Program

The ACES Global Initiatives Program provides every student with the opportunity to have an inspiring international experience prior to graduation. The program aims to increase the presence of ACES in the global arena and expand New Mexico's potential for economic development through global market interaction activities.

The ACES Global Initiatives Program allows students to:

- Visit new places and meet new people
- Explore different cultures, traditions and languages
- Expand their understanding of global issues and potential solutions

For more information about ACES Global Initiatives, visit aces.nmsu.edu/global or contact Program Coordinator Manoj K. Shukla, Ph.D. at shuklamk@nmsu.edu.



Aggies Go Global

Aggies Go Global (AGG) provides students with international opportunities and experiences to stimulate their educational, professional and interpersonal development. AGG programs benefit both NMSU students and the state of New Mexico by providing students with the opportunity to develop their skills, function in intercultural and cross-cultural contexts and become more globally competitive.

Student Eligibility:

- Full-time NMSU student
- For conferences, students must be presenting. For volunteers and interns, students must be abroad for a minimum of three to four weeks
- Students do not earn class credit
- Priority is given to students who have not received AGG funding in the past and students who have never traveled abroad

For more information, visit

aces.nmsu.edu/aggiesglobal.



Center of Excellence in Sustainable Food and Agricultural Systems

Established in 2019, NMSU's Center of Excellence in Sustainable Food and Agricultural Systems (CESFAS) coordinates and conducts innovative, trans-disciplinary and collaborative research that facilitates and develops strong food and value-added agricultural businesses. The center provides interdisciplinary training and education to students in the following areas:

- Adapting to climate variability
- Agriculture and culinary tourism
- Artificial intelligence in agriculture and big data
- Food safety and security
- Food, agriculture and natural resources policy
- Food and fiber supply chain

And so much more!

For more information about CESFAS, visit aces.nmsu.edu/cesfas.



Indian Resources Development

Indian Resources Development (IRD) was created by the Indian Resources Development Act in 1978 and is housed at NMSU.

IRD is a statewide program that offers educational and professional development opportunities for Native American students who are in middle school, high school and college; and supports tribal nations in New Mexico in developing their own technical and managerial expertise in agriculture, natural resources, engineering, energy and business.

IRD program goals:

- Provide high school students and their families with informational resources to guide their exploration of higher education in New Mexico
- Offer potential sources of financial aid to students and their families
- Promote camps, research experiences and internships as career exploration and professional development opportunities

For more information, visit ird.nmsu.edu or contact ird@nmsu.edu.



Innovative Media Research and Extension

NMSU's Innovative Media Research and Extension partners with research groups, faculty and programs nationally and internationally to create educational media in various disciplines.

The Innovative Media Research and Extension team utilizes the Learning Games Lab, a user-testing research space and exploratory environment for playing and evaluating games and educational tools.

For more information, visit innovativemedia.nmsu.edu.



4-H Youth Development Program

NMSU's 4-H youth development program is a dynamic non-formal education program. 4-H provides opportunities to learn life skills, gain knowledge while having fun, and make contributions in areas such as environmental education, community service and current youth issues.

The 4-H youth development program is dedicated to providing opportunities for young individuals to develop:

- Leadership and management skills
- Positive self-esteem
- Effective communication skills
- A solid sense of personal responsibility
- The ability to make sound decisions

To find out more about 4-H opportunities in your area, contact your local County Extension Office, visit aces.nmsu.edu/4h, or contact NMSU 4-H faculty and staff at state4h@nmsu.edu.





The Mission of the College of Agricultural, Consumer and Environmental Sciences (ACES) is to improve the lives of New Mexicans, the nation, and the world through research, academic programs and extension.



**New Mexico State University
College of Agricultural, Consumer
and Environmental Sciences**

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