



Plant and Environmental Sciences



The Department of Plant and Environmental Sciences has 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 hands on, real-world learning in internships, externships, experiential class projects and employment in the department.

Why New Mexico State University?

- NMSU was recognized as a top-tier university by U.S. news and World Report in 2017.
- NMSU College of ACES was ranked the #1 agricultural university in New Mexico by Agriculture - Schools in 2017.
- The Brookings Institution listed NMSU as a leader in research and social mobility.
- Hands on learning - access to experimental farms, greenhouses, labs, and real word projects.

Why Plant and Environmental Sciences?

Agronomy

B.S. in Agriculture

Studying the principles of plant and soil science and an application of these principles in the production of crops.

Environmental Science

B.S. in Environmental Science

Studying the science behind what influences environmental factors.

Genetics and Biotechnology

B.S. in Genetics

Studying the science of heredity in plants.

Horticulture

B.S. in Agriculture

Studying the science of producing and marketing fruits, vegetables, flowers, and ornamental plants.

Concentrations: Turfgrass Science and Management

Soil Science

B.S. in Agriculture

Studying the science of physical, chemical, and biological characteristics and behaviors of soils.

Concentrations: Soils, Environment and Resource Management, Soil and Water Science

Minors

- Agronomy
- Environmental Science
- Genetics and Biotechnology
- Horticulture
- Soil Science

Master of Science

Horticulture

Plant and Environmental Science

Students will spend between 2 - 3 years studying a specific research topic.

Doctor of Philosophy

Plant and Environmental Science

Students will spend between 3 - 4 years studying a specific research topic chosen from departmental research projects.

Certificate

Certificate of sustainability

Careers

- Agronomist
- Crop Consultant
- Ecological Scientist
- Environmental Scientist
- Geneticist / Biotechnologist
- Green Industry Professional
- Horticulturist
- Medical Professional
- Project Manager
- Soil Scientist

Ranked a top 10

AGRICULTURAL COLLEGE IN THE NATION

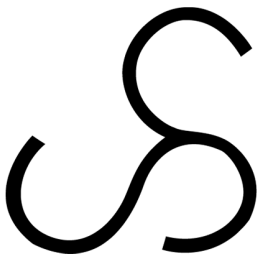
- College Values Online, 2015



NMSU College of ACES Clubs and Organizations

The College of ACES offers more than 30 college-based clubs, organizations, and competitive teams for students to become involved in. Being involved in ACES clubs, organizations, and teams allows students opportunities to network with faculty, staff, and other students, i.e. - Aggie Rodeo, Aggie P.A.W. (Partners for Assistance Through Work), Association of Family and Consumer Sciences, Collegiate FFA, Pre-Vet Club, Judging Teams, ESSO, and several others.

For a complete list, visit:
aces-academics.nmsu.edu/clubs



Sam Steel Branding Ceremony

The College of Agricultural, Consumer, and Environmental Sciences strives to create a family atmosphere for all students, staff, and faculty. Honoring our first would-be graduate, the ACES Sam Steel brand aims to unify all students under a shared symbol. Every freshman in the College of ACES receives the Sam Steel paint brand on their shoulder as a welcome to the ACES family. Seniors are also recognized to thank them for their time in the program. **"Once an Aggie, always an Aggie."**



Alumni Spotlight

Fabian Garcia ~ 1872 - 1948

Fabian Garcia graduated from New Mexico State University — then known as the New Mexico College of Agriculture and Mechanic Arts — as part of its first class in 1894. He went on to earn his master's degree in Agricultural Science in 1906.

Garcia is credited with developing new varieties of chile peppers, pecans, and onions, with a particular focus on breeding bright red chiles. He also introduced improved varieties of cotton, apples, grapes, peaches, and potatoes that were better suited to the climate of southern New Mexico.

In recognition of his achievements, NMSU has named several facilities in his honor, including the horticultural farm, the Faculty Senate Chamber, the student advising center, and a freshman dormitory.



**Start Your Journey
with Plant and
Environmental
Sciences!**

Scan to connect!

<https://pes.nmsu.edu/>

Plant and Environmental Sciences

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**NMSU Plant and
Environmental Sciences**

The College of Agricultural, Consumer, and Environmental Sciences is an engine for economic and community development in New Mexico. ACES academic programs help students discover new knowledge and become leaders in environmental stewardship, food and fiber production, water use and conservation, and improving the health of all New Mexicans. The College's research and extension outreach arms reach every county in the state and provide research-based knowledge and programs to improve the lives of all New Mexicans.