



# 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 through 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 & 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.
- Produce from the NMSU student-run gardens is sold in the Sam Steel Cafe.

## Why Plant and Environmental Sciences?

### B.S. in Agriculture

#### **Agronomy Major**

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

#### **Horticulture Major**

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

#### **Soil Science Major**

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

#### **Turfgrass Science and Management Major**

Studying the science behind landscaping and quality turfgrass care.

### B.S. in Environmental Science

#### **Environmental Science Major**

Studying the science behind what influences environmental factors.

### B.S. in Genetics

#### **Genetics and Biotechnology Major**

Studying the science of heredity in plants.

#### **Minors**

- Agronomy
- Environmental Science
- Genetics & Biotechnology
- Horticulture
- Soil Science
- Turfgrass Management

#### **Master of Science**

##### **Horticulture / Plant**

##### **and Environmental Sciences**

Students spend time (2-3 years) on a specific research topic.

##### **Doctor of Philosophy**

##### **Plant and Environmental Sciences**

Students spend time (3-4 years) on a specific research topic chosen from departmental research projects.

#### **Careers**

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

Ranked a top 10  
**AGRICULTURAL  
COLLEGE IN THE NATION**

- College Values Online, 2015

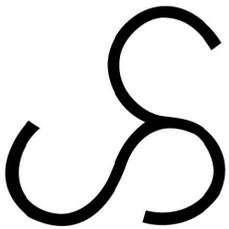


## NMSU College of ACES Clubs and Organizations

The College of ACES offers more than 35 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, and several others.

For a complete list, visit:

[aces.nmsu.edu/academics/clubs.html](http://aces.nmsu.edu/academics/clubs.html)



### Sam Steel Branding Ceremony

The College of Agricultural, Consumer and Environmental Sciences strives to create a **family** atmosphere for all students, staff and faculty. Five years ago, the College of ACES developed the Sam Steel Brand that unites all students through a shared brand.

Every freshman in the College of ACES receives the Sam Steel Brand paint brand on their shoulder as a “welcome” to the ACES Family. Seniors are also recognized to thank them for their time as Aggies.



### Alumni Spotlight

#### Sativa Cruz

*Bachelor of Science in Environmental Science,  
Minor in Sustainable Development  
May 2016*

Sativa Cruz graduated with a Bachelor’s in Environmental Science from the Department of Plant & Environmental Sciences. She graduated as the Spring 2016 Outstanding Alumni Association Graduate for the College of ACES.

Sativa has made a huge impact on NMSU and the College of ACES throughout her time as an Aggie. One of Sativa’s projects focused on the future of agricultural cooperation and inclusive scientific research by helping create a scalable irrigation design for the *Theobroma cacao* “Chocolate Tree” in the Universidad De La Salle-Utopia agroforestry system.

Said Sativa: “When I began my studies, I embarked on an unknown journey that has eventually led me to work with people who care about agriculture, education, social justice, and the invaluable chocolate tree.”

## College of Agricultural, Consumer and Environmental Sciences

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[aces.nmsu.edu](http://aces.nmsu.edu) • [admissions.nmsu.edu](http://admissions.nmsu.edu)



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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.