

# College of Agricultural, Consumer and Environmental Sciences

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

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## Plant and Environmental Sciences



**Rolston St. Hilaire, Ph.D.,**  
**Department Head**  
[rsthilai@nmsu.edu](mailto:rsthilai@nmsu.edu); 575-646-3405

### Department of Plant and Environmental Sciences

Skeen Hall Room N127

Box 30003 MSC 3Q

Las Cruces, NM 88003

**Phone:** (575) 646-3405

**Fax:** (575) 646-6041

### Recruiting and DACC Liaison

Kenneth Carroll

PO Box 30003, MSC 3Q, Skeen N336

Las Cruces, NM 88003-8003

Email: [kccarr@nmsu.edu](mailto:kccarr@nmsu.edu)

Tel.: 575-646-5929

We are:

161 undergraduate students and 57 graduate students

16 professors (4 Endowed Chairs)

9 associate professors and 5 assistant professors

6 undergraduate majors: AGRO, HORT, ES, GENE, SOIL, TURF

MS degrees and 1 Ph.D. degree

Also, we have faculty with research appointments from Extension Plant Sciences and faculty at **Ag Science Centers**.

We have:

41 student scholarships (32 are endowed); 7 student clubs

Our students: Go to graduate school (Harvard Medical School, UNM Medical School, University of Washington, Oregon State University, John Hopkins, Cambridge, among other schools), work for (local, state, and Federal government and private industry).

# Plant and Environmental Sciences

Agronomy (AGRO): Principles of plant and soil science applied to the production of crops

Horticulture (HORT): Science of producing and marketing crops

Environmental Sciences (ES): The science of the environment

Genetics and Biotechnology (GEBT): The science of heredity in plants

Soil Science (SOIL): Science of physical, chemical, and biological characteristics and behavior of soils

Turfgrass Science and Management (Turf): Science of landscape management and care of turf and sports fields

Graduate Program:

MS (HORT and Plant and Environmental Sciences)

Ph.D. in Plant and Environmental Sciences

# Plant and Environmental Sciences



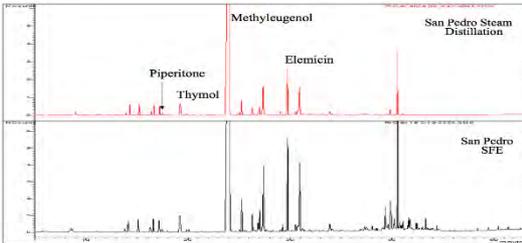
Teaching and research are linked.

Our students engage in cross disciplinary research to solve environmental and scientific challenges.

# Research at the Intersection of Natural Science and Human Health

Crop genetics develops cultivars for nutritional value

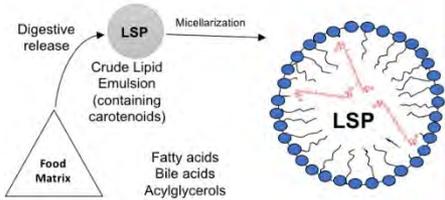
Analytical methods quantify "nutraceuticals"



Community engaged research leads to improved health, nutrition, and reduced rates of cancer, diabetes and obesity.



Chile, onions, corn, squash, jujube, peanuts, grapes, hops, medicinal plants, hemp



Epithelial Lipid Bilayer

Assays measure nutrient bioavailability

## Plant and Environmental Sciences

With a major from Plant and Environmental Sciences you can be a:

**Geneticist**

**Biotechnologist**

**Environmental Scientist**

**Crop Consultant**

**Green Industry Professional**

**Horticulturist**

**Medical Professional**

**Scientist/Educator**

**Ecological Project Manager**

Starting salaries (2018):

**Geneticist (\$77,000)**

**Environmental Scientist (\$54,426 –  
\$82,000)**

**Crop Consultant (\$49,927)**

**Horticulturist (\$42,000 to \$66,000)  
Up to \$136,080**

# A Lot of Department Scholarships

Scholarships in PES:

<https://aces.nmsu.edu/academics/pes/scholarships.html>

41 scholarships dedicated to students each year (nearly 1 per student).

32 are endowed scholarships

**Awarded \$41,265 for 2016-2017**

Awards vary from \$500 - \$1000

Awards for incoming freshmen

About 1 scholarship per student, and some students receive more than one...

# Activities- Custom Contest



# Ice Cream Social-2019



# Clubs – HortForum, Composting Club, Turf Club, ESSO, GSO

<https://aces.nmsu.edu/academics/pe/s/clubs-and-organizations.html>

