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FUNDING SUCCESS

\$8.76M

Total Awarded Student Scholarships

50%+

Students Awarded One or More Scholarships

\$18.87M

Annual Research Expenditures

10 Faculty Members

Ranked Among the Top

2% of Researchers Worldwide

(As Identified by Stanford University Data)

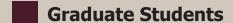
97

Degree Programs







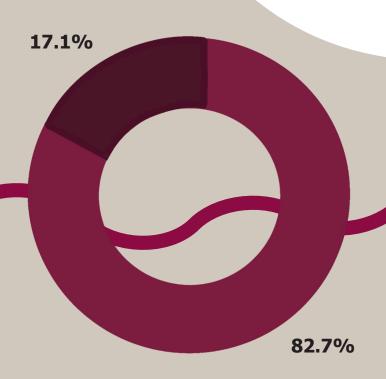




(2018)

(2023)

Degrees Awarded by Gender Male-to-Female



56% 2,392 **Hispanic Students Total Students Enrolled NM Residents** 32% **First Generation** 23.4% Women 2.35% **Higher Cumulative GPA** 76.3% for Women than Men Men



\$8.76M

Total Awarded Student Scholarships

(Includes Lottery, Opportunity, and Foundational Scholarships)

Ph.D. Student to Faculty Ratio

Students Awarded One or More Scholarships



NMSU's Aggies Without Limits Completes 19th, Largest International Community Service Project

NMSU's Aggies Without Limits, led by Professor Paul Furth and Emeritus Professor Kenny Stevens, have completed its 19th international quest, with the largest project undertaken by the largest group of volunteers yet. Some 50 volunteers built a water system to serve some 1,500 townspeople of Unillá Pacala, providing access to 81 freshwater spigots placed throughout the town.



NMSU's Engineering Student Council Wins Best Large Council at National Summit

The Engineering Student Council at NMSU won the coveted award for Best Large Council at the 2023 National Association of Engineering Student Councils Engineering Leadership Summit. The award recognizes the council's outstanding efforts in promoting leadership, community service and academic excellence among engineering students.



NMSU Engineering Students Graduate with First-Place Win

In spring 2023, one NMSU engineering student group garnered more than an A in the culminating course for degree completion, earning a first-place award in the New Mexico Capstone Challenge IV sponsored by Sandia National Laboratories, a competition among NMSU, New Mexico Tech and the University of New Mexico. It is the second year in a row that NMSU students have won this award.

AGGIE NEWS



NMSU Chemical Engineering Ranks Among Best for Women in STEM

Almost half of the recent graduates from the NMSU
Department of Chemical and Materials Engineering are women, and a national publication has noticed. According to
Washington Monthly's list of America's Best and Worst Colleges for Women in STEM, NMSU ranked No. 16 for Best Chemical Engineering undergraduate program, being the second-ranked public institution on the list.

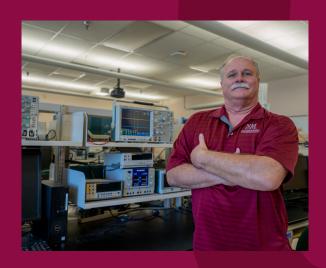


Master's of Engineering Degree at NMSU Offers Flexibility, Benefits to Students, Working Engineers

NMSU's College of Engineering now offers a program designed to help those already holding a bachelor's degree in engineering earn a professional master's degree, formally called a Master's of Engineering or M.E. The flexible degree can be earned for any engineering discipline offered in the college and can be pursued on-campus or online with many of the courses offered online and more being added going forward.

NMSU Earns NSA Designation For Cybersecurity, Academic Excellence

NMSU is now recognized as a National Center of Academic Excellence in Cyber Defense by the National Security Agency and the Department of Homeland Security. The designation comes after a vigorous screening of academic programs and the university's ICT department. The designation is active through the 2029 academic year.



ACADEMIC PROGRAM SNAPSHOT

Academic
Departments
Chemical, Civil, Electrical and Computer, Engineeing
Technology & Survey Engineering, Industrial,
Mechanical and Aerospace

ng

26 Undergraduate Minors

97

Degree Programs

Master's
Programs
(7 online)

33

Bachelor's Programs (5 online)

Graduate Minors

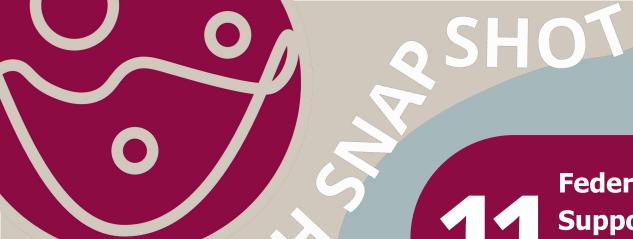
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Graduate
Certificates
(5 online)

Only Electric Utility Management Master's Program in the U.S. Only Bridge Inspection Program in the U.S.

6

Doctoral Programs



Federally
Supported
Engineering
Research Centers

CONTINUING

iCREDITS

RESEAS

Interdisciplinary
Center of Research
Excellence in Design
of Intelligent
Technologies for
Smart Grids

ReNUWIt

Research Center for Re-inventing the Nation's Urban Water Infrastructure

CEMRC

Carlsbad Environmental Monitoring and Research Center

CBBG

Center for Bio-Mediated and Bio-Inspired Geotechnics

NMPWRC

New Mexico Produced Water Research Consortium

QCAM

Quality
Control in
Additive
Manufacturing

NAWI

National
Alliance for
Water Innovation

Trans-SET

Transportation
Consortium of
South-Central States





\$275KFaculty Annual Research
Expenditures

54%

Increase in Annual Research Expenditures
Over Past Five Years

\$18.87M

Annual Research Expenditures For Year 2023

NEW

DREAM

Distributed Resilient and Emergent-Intelligence-Based Additive Manufacturing

NuChemE

Workforce Development in f-Element Chemistry, Nuclear Chemical Engineering, and Supply Chain Management

DigiCARES

Accelerating Community-Centric Energy Transformation through AI-driven Digital Twinning for Climate-Aware Resilience

RESEARCH



NMSU's College of Engineering Awarded \$4.8 Million Department of Energy Grant

The U.S. Department of Energy's Office of Environmental Management awarded a \$4.8 million grant to NMSU to expand research and workforce skills in the area of radioactive tank waste management. Chemical and Materials Engineering Associate Professor Catherine Brewer is the lead for the new project titled "Evaluating New Materials and Processes for Radioactive Tank Waste Processing: Workforce Development in f-Element Chemistry, Nuclear Chemical Engineering, and Supply Chain Management."

Engineering launches intelligent additive manufacturing DREAM Center

The Center for Distributed Resilient and Emergent-intelligence-based Additive Manufacturing (DREAM) is a collaborative initiative joining four minority-serving research institutions in New Mexico through an NSF EPSCoR Research Incubators for STEM Excellence Research Infrastructure Improvement (E-RISE RII) award. Along with NMSU, University of New Mexico, New Mexico Institute of Mining and Technology and Navajo Technical University are pioneering a novel cyberin-frastructure for the evolving distributed intelligent additive manufacturing (DIAM) industry in our state.



NMSU Awarded \$6 Million NSF Grant to Address Climate Change, and Aging Energy Infrastructure

The National Science Foundation awarded NMSU with a four-year, \$6 million grant through the Established Program to Stimulate Competitive Research. Led by Electrical and Computer Engineering Associate Professor Di Shi, the project addresses the urgent challenge of climate change intertwined with the country's aging energy infrastructure. The project aims to enhance local research infrastructure in underserved communities across New Mexico, Montana, Oklahoma and Alabama.

FACULTY RECOGNITION

35% of Faculty

for Chairs/Professorships

10 Faculty Members Ranked

Among the **Top 2%** of Researchers Worldwide
As Identified by Stanford University Data





Electrical Engineering professor receives Faculty Achievement Award

Wei Tang, professor in the Electrical and Computer Engineering Department, received the 2024 Dennis W. Darnall Faculty Achievement Award, the highest honor bestowed by the Provost, for remarkable accomplishments in teaching, research, and service to the profession, university, and community; the lifetime award is given to tenured faculty on the Las Cruces campus who are in good standing and have served at NMSU for at least ten years.

Engineering Faculty Honored with Team Award

Four faculty members from the College of Engineering were honored at NMSU's spring 2024 convocation with the Team Research Award. All four recipients, Pei Xu, Yanyan Zhang, Huiyao Wang and Robert B. Young, play critical roles in the New Mexico Produced Water Research Consortium, a collaborative initiative of the New Mexico Environment Department and NMSU. The consortium works to advance scientific research and technology development required to guide future statewide produced water reuse policy.





K-12 Students Engaged in STEM Outreach Programs

\$2.7 million

in Grant and Industry-Funded Career Development Programming

2,400

Professional Development Hours Awarded

\$10 Million

Grant-Funded Programming for Community Technical Assistance

TIDBIT

Chemical and Materials
Engineering Department
is among top 20 programs for
Women in STEM.
(Washington Monthly, August 2024).

Mechanical and Aerospace Engineering

funded peer-reviewed research almost doubled (\$2.7M to \$5.1M) and is now largest in College of Engineering.

Engineering Technology and Surveying Engineering

enrollment realized significant increases in several programs including:

- Geomatics (> 400% since start of program in fall 2018)
- Information Communication Technology (> 150% over past 2 years)
- Mechanical Engineering Technology (> 40% since fall 2023 semester)



NMSU Hosts Inaugural NM Technology Student Association State Leadership Conference

The New Mexico Technology Student Association's inaugural leadership conference, managed by the College of Engineering, attracted more than 200 students from middle and high school chapters across the state. Student members of the statewide STEM career technical student organization showcased their projects and practiced leadership through more than 55 different science, technology, engineering and mathematics competitions.



Transportation and Construction Conference Continues Decades-Long Professional Development

Since 1958, the Civil Engineering Department has hosted the New Mexico Transportation and Construction Conference, NM TransCon, each spring. NM TransCon is an educational conference created for industry professionals by industry professionals for the purpose of staying ahead of trends and cutting-edge technologies in civil infrastructure. NM TransCon draws hundreds of participants and the 2024 conference had nearly 800 attendees.

NMSU Helps NM Small Business with Energy Efficiency Assessments

Energy efficiency can help small businesses in New Mexico in a variety of ways from reducing costs to increasing revenue and helping the environment. A team from the New Mexico State University College of Engineering's Office of Outreach and Recruitment not only conducts these assessments but also helps businesses secure funding to make improvements.





