

Welcome



New Mexico Science, Technology & Telecommunications Committee

August 10, 2026

Dr. Michael Jackson, President

Objectives

1. Who we are
2. What we do
3. And to not put you to sleep!

Goal: To answer your questions about New Mexico Tech's contribution to New Mexico:

- preparing the next generation of the STEM workforce,
- gaining a better understanding of the world around us, including exploring the challenges facing New Mexico, and
- our contribution to the NM economy.

New Mexico Tech's (NMT) Mission



Examples of Notable Employers

- Apple
- Chevron
- ConocoPhillips
- ExxonMobil
- Halliburton
- Intel
- LANL
- NASA
- Raytheon
- Sandia NL

NMT's Contributions

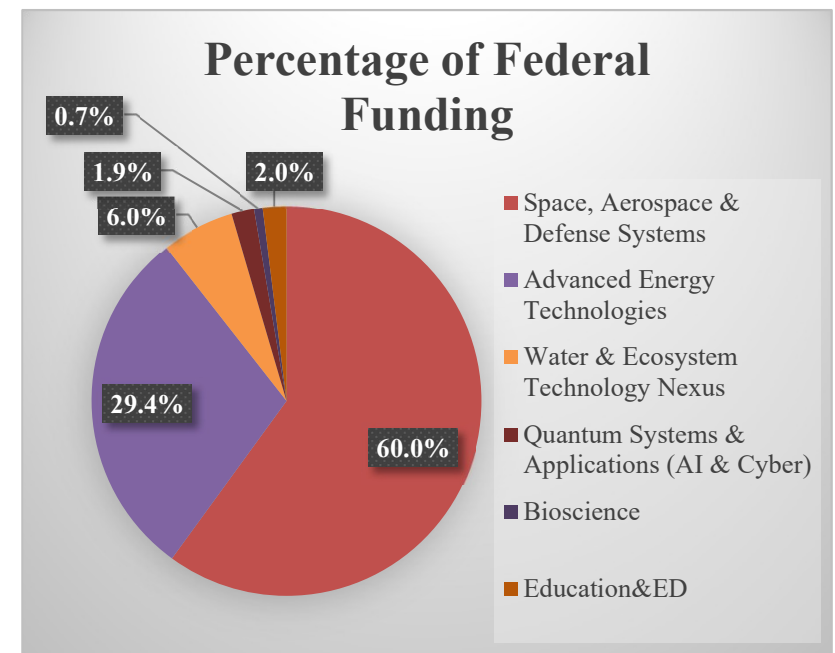
ECONOMIC IMPACT

\$276M Income Added to State Economy



2024 Lightcast Report
of FY 2021-2022

2025 NMT Office of Research



External Recognition

- #1 in New Mexico
- Overall Niche Grade: A
- Value: A+ (#10 of 1563)
- Academics: A; Best Small College (#21 of 1010)



- 5th of “Best Value Colleges”
SmartAsset
- 59th of “100 Colleges Whose
Grads Go on to Earn the Most”
Newsweek
- Forbes’ 2026 List of America’s
Top Colleges

Why are we here?

Engaged Learning
& Scholarship

Research &
Discovery

Entrepreneurship
& Innovation

Community
Support

**Student
Experience**

Economic
Development

Community
Engagement

Professional
Development

Workforce
Development

Undergraduate Degrees

Bachelor of Science Degrees:

- *Biology*
- Biomedical Sciences
- Chemical Engineering
- *Chemistry*
- Civil Engineering
- Computer Science
- *Earth Science*
- Electrical Engineering
- Engineering Management
- Environmental Engineering
- Environmental Science
- Information Technology
- Interdisciplinary Sciences
- Management of Technology
- Materials Engineering
- Mathematics

- Mechanical Engineering
- Mineral Engineering
- Petroleum & Natural Gas Engineering
- Physics
- *Psychology*
- Technical Communication

Bachelor of General Studies

Bachelor of Arts Degrees (*italics*):

- *Business Management*

Associate Degrees:

- General Studies
 - Accounting and Financial Management (cert.)
- Business
- Undergraduate Minor in Secondary Education

Masters Degrees

Professional Masters Degrees:

- Master of Engineering Management*
- Master of Engineering in
 - Chemical Engineering (Surface Engineering)*
 - Materials Engineering
 - Mechanical Engineering*
- Master of Science for Teachers*
- Professional Masters
 - Hydrology*
 - Transdisciplinary Cybersecurity*

Graduate Certificates:

- Alternative Licensure (El. & Sec.)
- Cybersecurity*
- Electrical Engineering
- Explosives Engineering
- Geothermal Energy*
- Hydrology
- Scientific & Professional Communication*
- Technology Leadership*

Master of Science:

- Biology
- Chemical Engineering (Surface Engineering)
- Chemistry
- Computer Science
- Civil & Environmental Engineering
- Transdisciplinary Cybersecurity*
- Electrical Engineering
- Engineering Management*
- Geochemistry
- Geology
- Geophysics
- Hydrology
- Materials Engineering
- Mathematics (Analysis; Industrial Mathematics; Operational Research; Statistics)
- Mechanical Engineering*
- Mineral Engineering
- Petroleum Engineering
- Physics (Instrumentation)
- Public Engagement in Science, Design, and Communication*

* Indicates program is available online

Doctoral Degrees

Biotechnology (interdisciplinary)

Chemical Engineering

Surface Engineering

Chemistry

Computer Science

Earth and Environmental Science

Geobiology

Geochemistry

Geology

Geophysics

Hydrology

Electrical Engineering

Cyber Electronic Systems

Materials Engineering

Mathematics

Applied & Industrial Mathematics

Mechanical Engineering

Intelligent Energetic Systems

Mineral Engineering

Petroleum Engineering

Physics

Astrophysics

Atmospheric Physics

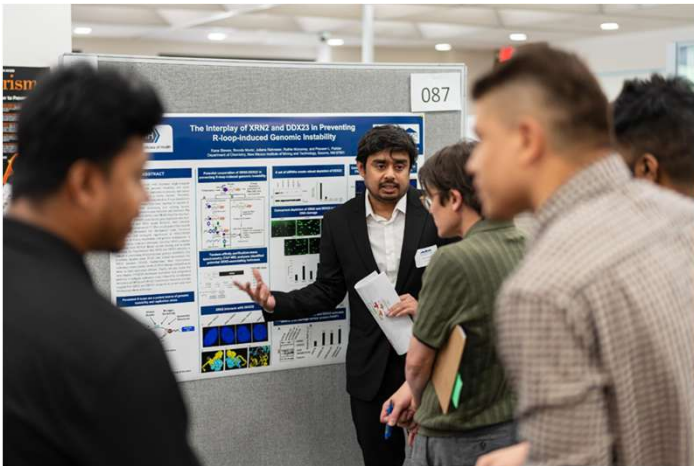
Instrumentation

Mathematical Physics

Transdisciplinary Cybersecurity*

Academics

- Learn by Doing
 - Design projects and Research Exp. (e.g., CURE, summer, SRP)
 - Credit (thesis) and non-credit (e.g., Lunabotics)
- Accelerated Masters



Leveraging Partnerships

Example with Urenco USA: For eligible students in Lea County:

For current students

- **Cost of Attendance** (e.g., tuition, fees, housing, travel, meals, books, supplies);
- **Student Experience** (e.g., capstone experiences, field or research experiences, co-op or internship experiences);

For prospective students

- **Pipeline Programs** (e.g., Summer STEM).

Creating Pipelines

- State-level: NM Science Olympiad and NM Science & Engineering Fair (*RPSP & Donor*)
- Institutional-level: e.g., Summer STEM (HS)
- Department-level activities:
 - Etscorn Observatory (public; *Donor*)
 - Robotics (e.g., Miner Mayhem; Middle and HS; w/ NM MESA; *RPSP & STEM Innovation Hub*)
 - Buzzcamp (Middle and HS; *Donor*)
 - Drones (Middle and HS; *One-time NM*)

DISCOVER • BUILD • INNOVATE



Dr. Lique Coolen; VP for Research and
Provost/VP for Academic Affairs; 2:30 pm today

Research Centers

- **Bureau of Geology & Mineral Resources**
- **Petroleum Recovery Research Center**
- **Hantush-Deju National Center for Hydrologic Innovation**
- **National Cave and Karst Research Institute (Carlsbad)**
- Energetic Materials Research and Testing Center
- Playas Research and Training Center (Playas)
- Institute for Complex Additive Systems Analysis
- *Magdalena Ridge Observatory 2.4 Meter Telescope*
- *Magdalena Ridge Observatory Interferometer*
- *Langmuir Laboratory for Atmospheric Research*
- NM Cybersecurity Center of Excellence
- Raul Deju Institute for Artificial Intelligence

Impact on New Mexico

Bureau of Geology & Mineral Resources

- 3:30 pm today; Aquifer Mapping, Water Data Initiative and Geothermal Update

Institute for Complex Additive Systems Analysis

- 1:30 pm today; Advancing Technology for National Security and the Public Good
- 2 pm tomorrow; Playas Research and Training Center

Impact on Economic Development



- 10:30 am tomorrow;
Collaborative Water
Filtration Development;
- PESCO (Process
Equipment and Service
Company), Navajo Nation,
Navajo Technical
University, and NMT's
*Petroleum Recovery
Research Center*

2027 Legislative Session Priorities

- Major Capital Outlay
 - ‘Old Kelly’ Hall Renovation
 - Mineral Science Engineering Center Upgrade and Renovation (Phase 2)
 - Campus-wide irrigation infrastructure replacement
- Major Projects (HB8)
 - Student and Community Wellness Center (Phase 1)
 - MSA Roofing & HVAC
 - Student Activities Center

2027 Legislative Session Priorities

- One-time Special Appropriation
 - ERP upgrade (Phase 3)
 - Marketing (Phase 2)
 - NM Drone Center
 - ... Energy Leaders Education Program
- RPSPs
 - NM Cybersecurity Center of Excellence
 - STEM Outreach & Professional Development
 - Expansion of Geothermal R&D (and academics) at the Bureau & PRRC

2027 Legislative Session Priorities

- Minor Capital Outlay
 - Building Addressing for 911
 - Equipment Repair and Replacement
 - Campus Space Improvements
 - Geospatial Research and Training at NCKRI
 - ... Pool Cover and Improvements

Questions and Comments



Take a tour to learn more!