Mechanical Engineering Graduate Programs

Why Pursue a Graduate Degree in Mechanical Engineering at UNLV?

The mechanical engineering graduate degree programs are designed to provide students with a broad understanding of the mechanical engineering field, while providing depth in specific option areas including:
- Dynamic systems and controls
- Fluid and thermal sciences
- Materials and mechanics
- Mechanical and environmental systems
- Nuclear engineering
- Energy systems

Degrees and Certificates Offered:
- M.S. in Aerospace Engineering
- M.S. in Biomedical Engineering
- M.S. in Materials and Nuclear Engineering
- M.S. in Mechanical Engineering
- Ph.D. in Mechanical Engineering
- Direct Ph.D. in Mechanical Engineering
- Graduate Certificates in Nuclear Criticality Safety Engineering and Nuclear Safeguards and Security

Career Opportunities
Graduates from the program have gone on to work in a broad range of industries, including: academia, national labs, automotive, aerospace, nuclear, energy, entertainment, and manufacturing.
Faculty and Facilities
The Department of Mechanical Engineering employs 19 faculty members, eight of them are fellows of their professional societies. We have active research programs with funding from multiple sources, including:

- U.S. Department of Defense
- U.S. Department of Energy
- Office of Naval Research
- NASA
- National Institute of Health
- Mission Support and Test Services (MSTS)
- National Science Foundation
- USDA

Research labs hosted by the department include:

- Biomedical
- Corrosion
- Material Characterization
- Nuclear Engineering
- Photovoltaic Cells
- Robotics
- Smart Materials
- Solar Energy
- UAV

Some of our research facilities are housed in the Science and Engineering Building (SEB), which creates a unique environment for interdisciplinary work on the UNLV campus.

Scholarships Available
The Department of Mechanical Engineering offers multiple teaching and research assistantships.

Program Admission
- General guidelines for admission to the Graduate College are available at http://graduatecollege.unlv.edu/admissions
- Additional requirements for the Department of Mechanical Engineering can be found at http://unlv.edu/me/futurestudents