Twenty-first century society depends heavily on the earth, beginning with its need for a vast amount of resources: fossil fuels, mineral ores, water, and soils. Obtaining new energy and raw material sources necessitates exploration. Existing resources need to be evaluated, maintained, and in many instances, restored. Waste products require safe and secure sequestration. Ecosystems and human interaction need evaluation, and the potential for natural and man-made hazards must be assessed.

These challenges provide for a number of exciting opportunities for modern earth scientists as explorers, evaluators, and managers. Armed with a rigorous understanding of our planet’s materials and processes, geoscientists are able to provide and maintain these resources while expanding our view into the planet.

Scholarships
Geosciences Scholarships
Scholarship applications are solicited annually from geosciences majors who maintain a 3.0 GPA, enroll in one geosciences/environmental science course, and complete 12 hours each term. Scholarships are also available for freshmen with strong transcripts and test scores. Scholarships are renewable annually. For scholarship availability, contact MSU’s Department of Chemistry, Physics, and Geosciences.

MSU Academic Merit Scholarships
Midwestern State University offers an automatic scholarship program for beginning freshmen and transfer students, automatic scholarships for valedictorians and salutatorians, and distinguished honor scholarships. Learn more at mwsu.edu/admissions/scholarships.

Financial Aid
MSU offers a number of financial aid programs including:
• Mustangs Guarantee Program
• Academic scholarships
• College Work Study and student employment
• Grants and loans
To learn more about these programs and others, visit mwsu.edu/finaid.
ONE DEGREE. **Two pathways to success.**

MSU offers a single Bachelor of Science degree fulfilled by your choice of two pathways to study:

- **Geosciences:** Traditional curriculum in geology coursework.
- **Environmental Science:** Interdisciplinary degree that requires a concentration option in biology, chemistry, or geosciences.

Both tracks provide rigorous preparation for employment or for further education in earth science. Our courses incorporate the latest technology, information, and research techniques, and provide practical field experience, along with classroom instruction.

**Career Opportunities**

Many employment opportunities are available to you with an undergraduate degree in geosciences.

- Petroleum production/exploration
- Water resource management
- Environmental assessment and consultation
- Government offices (local, state, and federal)
  - U.S. Parks and Wildlife
  - U.S. Geological Survey
  - Texas Commission on Environmental Quality
- Private geology companies

**Research Equipment**

Equipment available through MSU's geosciences, biology, and chemistry programs include:

- Robert L. Bolin petroleum geology lab with high-end technical workstations running industry standard software for reservoir characterization and modeling
- Mineral and rock characterization equipment including petrographic and electron microscopes, LIBS, and EDAX
- Water chemistry tools including chromatograph-mass spectrometer and Hydrolab®
- State-of-the art geoscience computing laboratory
- Field equipment including thermal cameras and spectrometers
- Fossil preparation and photography equipment
- Petrographic and lapidary tools
- Stanley L. Mowrey Geosciences Laboratory
  - *This newly equipped laboratory hosts several of our classes, such as remote sensing and applied petroleum geology, and provides a valuable learning resource for our upper level classes.*

**Networking Opportunities**

- **The Geosciences Club:** Organizes field trips, produces research on local geology, and engages in community service
- **Epsilon Zeta Chapter of Sigma Gamma Epsilon:** National honor society for geosciences majors
- **American Association of Petroleum Geologists (AAPG):** International organization for professional geoscientists and students
- **North Texas Geological Society:** Regional organization that promotes sciences of petroleum geology, environmental geology, and related technologies