Z MINNESOTA STATE UNIVERSITY MANKATO

GEOLOGY

Geology is the study of the Earth, its materials, and its processes. It concerns itself with solving basic scientific problems and utilizing knowledge of the Earth for the benefit of society. Its concerns include but are not limited to soil preservation, water production and quality, hazards mitigation, resource exploration and production, engineering of structures large and small, climate change, and the history of life on Earth and the search for life on other planets.

PROGRAMS

DEGREES AND CERTIFICATES

- Bachelor of Science in Geology
- Geology Minor
- Environmental Geology Certificate

ABOUT THE PROGRAM

The Geology B.S. prepares students for careers in the geological sciences, addressing needs related to resources, environment, hazards, and engineering, as well as graduate study in Geology and these and related fields. Students earning a B.S. in Geology are prepared for entry-level employment in the environmental consulting field or positions related to natural resource protection.

REAL-WORLD CONNECTIONS

SKILLS AND TALENTS

CAREERS

- Geotechnical Skills
- Technical Reports
- Data Interpretation

Data Collection

- Technology Skills
- Knowledge of Fundamental Sciences

- Geologist
- Data Analyst
- GIS Analyst
- Quality Analyst
- Research Analyst
- Wellsite Geologist

EMPLOYERS

- American Engineering Testing
- Antea Group USA
- KBR Inc
- Ryan Beuc Consulting
- Talon Metals Corp
- United States Forest Service

INSPIRED ACTION

EMPLOYMENT RATE

100%

of program graduates begin their careers within one year of graduation.

Graduates: 15 Respondents: 13 link.mnsu.edu/graduate-follow-up

MEDIAN SALARY

\$87,480 The median annual wage for Geoscientists in May 2022.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Geoscientists, at <u>link.mnsu.edu/geoscientists-salary</u>

PROGRAM WEBSITE



cset.mnsu.edu/geology

MINNESOTA STATE

Minnesota State University, Mankato A member of Minnesota State

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SAMPLE FOUR-YEAR PLAN - GEOLOGY, BS

First Year (Fall)	First Year (Spring)
MATH 115 Precalculus Mathematics (4) GEOL 121 Physical Geology (4) CHEM 201 General Chemistry I (5) General Education Course (3)	ENG 101 Foundations of Writing & Rhetoric (4) GEOL 122 Earth History (4) PHYS 211 Principles of Physics I (4) General Education Course (3)
Second Year (Fall)	Second Year (Spring)
GEOL 201 Elements of Mineralogy (4) ENG 271W Technical Communication (4) General Education Course (4) Required General Education Course (4)	GEOL 302 Petrology (4) General Education Course (4) General Education Course (3) Elective Course in Major (4)
Third Year (Fall)	Third Year (Spring)
GEOL 320W Sedimentology and Stratigraphy (4) General Education Course (4) General Education Course (3) General Elective Course (4)	GEOL 330 Structural Geology (4) General Education Course (3) Elective Course in Major (4) General Elective Course (4)
Fourth Year (Fall)	Fourth Year (Spring)
GEOL 440 Geology Field Camp (4) General Education Course (3) General Elective Course (4) General Elective Course (3)	General Education Course (3) Elective Course in Major (3) General Elective Course (4)

For more information about program requirements, visit: <u>mnsu.edu/academics/academic-catalog</u>

LEARN MORE

Department of Biochemistry, Chemistry and Geology 241 Ford Hall 507-389-1963

NOTES