

# GEOSCIENCE

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## B.S. Degree

Graduates in geoscience have broad backgrounds in the earth sciences and firm foundations in mathematics, physics and chemistry. Four concentrations are available to allow students to pursue their own emphasis:

- geology
- paleontology
- geospatial science
- geophysics

The concentrations allow students to focus early in their studies but are flexible enough to allow students to pursue their own interests in their junior and senior years. All the concentrations prepare students for industry jobs in oil, mining and environmental consulting; jobs with agencies such as the U.S. Geological Survey, NASA, the Alaska Division of Geological and Geophysical Surveys; or graduate studies.

The geology concentration offers students a sound background in a spectrum geological disciplines with an emphasis on current field mapping techniques essential to exploration and research. The paleontology concentration is designed to provide students with the skills necessary to locate, excavate, interpret and curate specimens for museums, agencies or universities. The geospatial sciences concentration focuses on the principles, techniques and applications of remote sensing, GIS and GPS to prepare students for careers that require geospatial data analysis and visualization. The geophysics concentration challenges students to use physics in understanding geoscience concepts, emphasizing applications in seismology, volcanology and glaciology in the context of the Alaska landscape. This concentration prepares students for graduate work in geophysics and environmental engineering fields or other disciplines that use geophysical tools such as ground-penetrating radar or exploration seismology.

Minimum Requirements for Geoscience Bachelor's Degree: 120 credits

Learn more about the bachelor's degree in geoscience (<https://uaf.edu/academics/programs/bachelors/geoscience.php>), including an overview of the program, career opportunities and more.

College of Natural Science and Mathematics  
Department of Geosciences (<http://www.uaf.edu/geology/>)  
907-474-7565

## Programs Degree

- B.S., Geoscience (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/geoscience/bs/>)

## Minors

- Minor, Geology (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/geoscience/minor-geology/>)
- Minor, Paleontology (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/geoscience/minor-paleontology/>)

- Minor, Geospatial Sciences (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/geoscience/minor-geospatial-sciences/>)
- Minor, Geophysics (<https://catalog.uaf.edu/archives/2020-2021/bachelors/bachelors-degree-programs/geoscience/minor-geophysics/>)