Bachelor of Science in Geosciences

At the University of Houston-Downtown, our Geosciences degree programs prepare students for careers in science-related fields and graduate studies with three exciting concentrations.

The Environmental Geology concentration, a set of courses specific to geology and environmental-related topics, is designed to meet the needs of those interested in graduate studies in geology, environmental sciences and careers in the environmental industry.

The Geochemistry concentration is structured for students who are interested in graduate work in geology or geochemistry and careers in the earth science-related industry that requires knowledge of geochemistry-related issues. Valuable courses include: mineralogy; petrology; structural geology; physical sciences; mathematics; engineering; and computer science.

The Petroleum Geotechnology concentration is designed for those interested in graduate work in geology and careers in the oil and gas industry that requires knowledge of petroleum-related issues. Valuable courses include: paleontology; stratigraphy; mineralogy; petrology; structural geology; mathematics; engineering; and technical report writing.

About the Program

The Bachelor of Science degree in Geoscience is a 120-credit-hour program that provides a broad-based curriculum in liberal arts, natural sciences, and courses specific to the chosen concentration.

Median Salary

According to the U.S. Department of Labor Bureau of Labor Statistics (BLS), the national average salary for: Environmental Engineer is $84,890; Geoscientist is $89,780; Hydrologist is $80,480; Meteorologist is $92,460; Post Secondary Teacher is $75,430; Land Surveyor is $59,390.

Contact

University of Houston-Downtown
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Career Options

There are a number of career options to choose from in the field of Geosciences; and many graduates work for large oil companies or independent companies. Most geoscientists divide their time between working in offices, laboratories, refineries, and in the field. Depending on the area of interest students study within their degree, career options include:

- Meteorologist
- Geophysicist
- Hydrologist
- Water Resource Planner
- Land Surveyor
- Seismologists
- Environmental Engineer
- Geologist/Paleontologist

For more information, visit: uhd.edu/admissions