

MAJOR TO CAREER GUIDE

B.S. Geology

College of Sciences

Mission of the College of Sciences

The College of Sciences offers programs in life sciences, chemistry, geoscience, mathematical sciences, physics and astronomy, and water management. The college has created a well-rounded curriculum by combining practical and empirical knowledge with scientific fundamentals and principles, which provides a solid foundation for a successful career in the sciences and other professional programs. The student-faculty relationship, hands-on research, and community service help ensure that students who graduate are prepared for whatever path they choose.

www.unlv.edu/sciences

About the Geology Career

Geoscientists are stewards or caretakers of Earth's resources and environment. They work to understand natural processes on Earth and other planets. Investigating the Earth, its soils, oceans, and atmosphere; forecasting the weather; developing land-use plans; exploring other planets and the solar system; determining environmental impacts; and finding new sources of useful Earth materials are just a few of the ways geoscientists contribute to our understanding of Earth processes and history.

Value of the Geology Degree

Opportunities for interesting and rewarding careers abound for students with degrees in geology. The American Geological Institute reports that there are about 120,000 geoscientists currently working in the United States. Moreover, a survey by the Bureau of Labor Statistics (BLS) indicates that the number of active geoscientists and hydrogeologists is expected to increase by about 18% by 2018, a pace that exceeds that average for all occupations.

UNLV Academic Advising for Science Majors:

Academic Advisors who are eager to meet with students about their academic goals and to assist in constructing a plan for graduation. Advisors can also help students understand how their experiences at UNLV can lead to a career in their desired field.

College of Sciences Advising Center
Phone: 702-895-2077
Campus Location: MPE-A 130
www.unlv.edu/sciences/advising

Geology Career Options

- Environmental consulting
- Energy exploration
- Mining and Geological Engineers*
- Mining Safety Engineers*
- State or federal government agencies
- Geological and Petroleum Technicians*
- Hydrologists*
- Natural Sciences Managers
- Geographic Information Systems Technicians*
- Environmental Scientists and Specialists*
- Geophysical Data Technicians*
- Geological Sample Test Technicians*
- Atmospheric, Earth, Marine, and Space Science Teachers, Postsecondary*
- Petroleum Geologist
- Geoscientists*

*Additional education/certification required

Professional and Student Organizations: Geology BS

UNLV Geoscience Club

<http://geoscienceclub.wordpress.com/>

Sigma Gamma Epsilon (SGE)

<http://www.unlv.edu/sciences#sge>

Society of Exploration Geophysicists Student Chapter (SEG)

American Association of Petroleum Geologists Student Chapter (AAPG)

Association of Environmental and Engineering Geologists (AEG)

Geological Society of Nevada (GSN)

Websites for professional geoscience organizations:

American Geological Institute (AGI),

<http://www.agiweb.org/>

American Association of Petroleum Geologists,

<http://www.aapg.org/>

Geological Society of America,

<http://www.geosociety.org>

American Association of Petroleum Geologists (AAPG)

<http://www.aapg.org/>

Graduate Program: Geosciences M.S. and PhD

Our Graduate program consists of both masters of science and doctoral degrees. The department has four emphases within the department's Geology degree that MS and PhD students may choose from: Geology, Geophysics, Hydrogeology, and Soil Science.

We also have students from the College of Sciences' Water Resources Management Program (WRM) and Masters' of Arts and Science program (MAS).

<http://geoscience.unlv.edu/jobs.html>

Helpful Career Information

Employers rate candidate soft skills/qualities in order of importance

- 1 Ability to verbally communicate with persons inside and outside the organization
- 2 Ability to work in a team structure
- 3 Ability to make decisions and solve problems
- 4 Ability to plan, organize and prioritize work
- 5 Ability to obtain and process information
- 6 Ability to analyze quantitative data
- 7 Technical knowledge related to the job
- 8 Proficiency with computer software programs
- 9 Ability to create and/or edit written reports
- 10 Ability to sell or influence others

Source: Job Outlook 2013

Courtesy of the National Association of Colleges and Employers

Visit the Career Occupational Handbook to learn more about a specific occupation:

<http://www.bls.gov/ooh/>

The OCH covers hundreds of occupations and describes: What They Do, Work Environment, How to Become One, Pay, and more. Each profile also includes BLS employment projections for the 2010–20 decade.

Career Exploration/Planning

FOCUS 2: UNLV's computerized assessment that profiles your interests, abilities, and values and helps you find a career that's right for you.

<http://hire.unlv.edu/careerAssessment.html>

Myers-Briggs Type Indicator (MBTI): Assessment designed to identify how you are energized, how you take in information, how you make decisions, and how you approach life.

<http://hire.unlv.edu/careerAssessmentMBTI.html>

Strong Interest Inventory: Generates an in-depth assessment of your interests among a broad range of occupations, work and leisure activities, and educational subjects.

<http://hire.unlv.edu/careerAssessmentStrong.html>

UNLV Career Services

Career Services encourages ALL UNLV students to take advantage of their services, which include:

- Assistance with developing a career plan and choosing a major
- Career counseling and guidance on building a RESUME
- Preparing for an interview, assistance with job searching and networking.

Phone: 702-895-3495

Campus Location: SSC-A 2nd Floor

<http://hire.unlv.edu/>

Internship Opportunities

UNLV's **Hire a Rebel** is a free, online recruiting system that helps students, alumni, and employers connect in a variety of ways.

Students can use **Hire a Rebel** to search for: job and internship listings, on-campus recruiting interviews, employer information sessions, resume book database, & dates for career fairs.

<http://hire.unlv.edu/careerLink.html>

MEDIAN SALARIES BY DISCIPLINE 2010-2012

Career	Salary Range	Median Salary
Geologist	\$39,490 - \$135,080	\$63,228
Petroleum Geologist	\$58,671 - \$225,323	\$119,288
Geophysicist	\$49,497 - \$206,365	\$107,000
Geochemist	\$45,302 - \$148,994	\$61,700

www.payscale.com

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