

Job Summary

Petroleum geophysicists

etc.) in order to identify

potential exploration

evaluate geophysical data

(seismic, gravity, magnetic,

prospects, or assist with the

prospects. They generally work

in offices or at drilling and well

required to visit these sites or

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connecting earth, science, and people

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to meet with engineers, oilfield

development of existing

sites. Travel is frequently

workers, and customers.

Petroleum Geology

Connect

Grow

Build

Career Compass Geosciences

This career compass provides options, tips, suggestions, and strategies for how a student can obtain critical skills, experiences, and competencies in order to launch their geoscience career based on their academic standing. The content herein is based on data from the U.S. Bureau of Labor Statistics, interviews with personnel in the occupation, and research on available student opportunities.

Undergraduate



Clubs, student government, or professional societies

Hone skills through public speaking or science communication courses or conference presentations, local community education and outreach events

Events, activities, and technical sessions or short courses at professional society conference

Geoscience internship with a non-profit, for profit organization or company, research institution, or federal agency

American Association of Petroleum Geologists (AAPG) grants, Society of Exploration Geophysicists (SEG) scholarships, grants, and travel grants

First Aid/ AED/CPR training **R**-S

Geologist in Training Certification (ASBOG Fundamentals Exam)

Degree in geology, geophysics, or geological /civil/ environmental engineering, physics for some technical or field jobs in petroleum companies

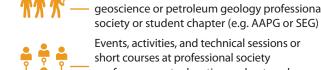
Course work in math, chemistry, physics, engineering, geology, surveying, seismology, computer science, or other courses as required by program

Writing class outside the discipline (business or technical writing)

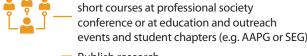
Field experiences

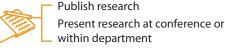
Research, capstone project and/or instrument experiences

Write a senior thesis, undergraduate research, and present results locally



Also





applicable at Geologist in Training Certification or Graduate and Professional Geologist license (ASBOG Ph.D. levels Fundamentals of Geology Exam and/or the Practice of Geology Exam)

AAPG's Imperial Barrel Program, SEG's Evolve program

Graduate/Master's

Departmental committee, campus club,

geoscience or petroleum geology professional

- Degree in geology or geological engineering or a related degree in civil or environmental engineering is required for most petroleum company jobs
- Master's research project or independent study project may be required in addition to course work
- Coursework in advanced math, physics, statistics, engineering, data science, programming may be required Map creation software or modeling software-
- Public speaking or science
- communication courses
- Write a thesis or report, present results at conferences



Also applicable at Ph.D. level

Also

Also

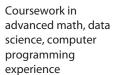
level

applicable

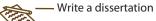
at Ph.D.

Degree in geology or allied field may be required for research positions

> Dissertation topic(s) related to the field



Interpretation and reservoir modeling software





Academics

Communicate

Network

Participate

Leadership

Internship

Scholarship

Eellowshir

www.americangeosciences.org/workforce/