

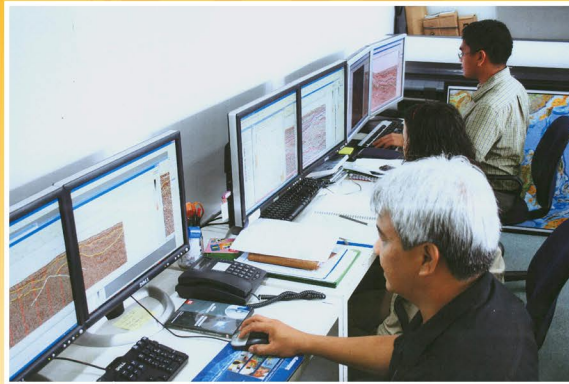
EMPLOYMENT OPPORTUNITIES

The opportunities for employment of geologists depend largely on the specialized field of Geology in which the professional chooses to pursue a career. As listed in the scope of practice of geology in R.A. No. 10166, there are at least ten (10) activities where expertise can be developed in the profession. Geologists could as well find employment opportunities in such allied fields as:

- Geography (GIS)
- Oceanography
- Archeology
- Meteorology
- Mining Exploration and Development Engineering,
- Petroleum Exploration and Development Engineering
- Soil and Rock Mechanics
- Land/Water Use Planning

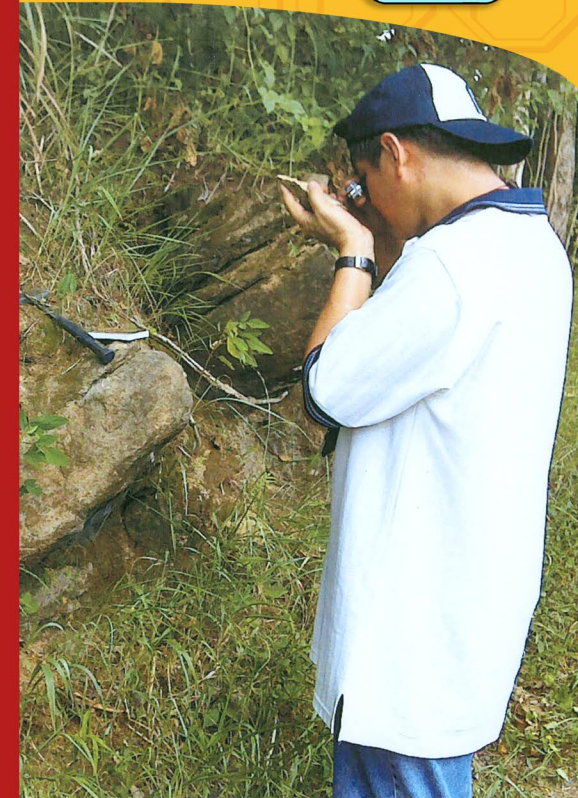
Geology graduates who have passed licensure examinations can join government agencies and government controlled corporations, mining and energy resource exploration and development companies in industry, and the academe as lecturers and research scientist.

Geologist



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Geologist

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MAKE A DIFFERENCE

Geologist

A Geologist is a scientist who studies the earth. Its composition, e.g. rock and minerals, physical features, structures and the process that operate within and on its surface and how it has evolved with time.

It is the role of the geologist to monitor these changes by carefully collecting and analysing information from the earth in order to maximize the use of energy and mineral resources, manage its water and biological resources, minimize the loss of life and property from disastrous earthquakes and tsunamis, sea surges, flooding, typhoons and landslides. In general it is the geologist role to ensure and enhance the quality of life on earth.

Functions

- Conduct geological surveys and mapping of the earth's composition, structural, features and reduce them in a graphics form for stakeholders to assess and evaluate.
- To explore for metallic and non-metallic mineral resources.
- Explore for energy resources from fossil fuels, oil, gas and coal, as well as geothermal resources.
- Study and mapping of geohazards due to faulting, volcanic activity, ground subsidence, ground water pollution, erosion and their possible impact on human housing and establishments and the community in general.

- Study water resources, be it on surface or underground.
- Teach academic courses leading to a professional degree in Geology.

Skills and Competencies

- A professional geologist must demonstrate the ability to accurately record, classify and analyse geologic features on all levels of observation in any project being undertaken.
- Geologist should rely on tested basic geologic concepts and use them in the evaluation process and interpretation of collected data.
- A professional geologist is expected to visualize and represent graphic images of geologic structural features in two (2) or three (3) dimensions to facilitate communication of applied geologic concepts.
- A geologist should be able to carry out basic mathematical computation and carry out basic skills for applying the correct mathematical and statistical methods recognizing patterns, trends and tendencies to provide meaning in critical analysis of data.
- Write and communicate to other scientists and develop effective communication skills.

Physical Attributes and Characteristics

- Interest in science and scientific investigation.
- Must be physically fit.
- Creative, innovative and open minded.
- Foster good interpersonal relationship.
- Exhibit patience in dealing with stakeholders.

Basic Educational Requirement

- The basic educational requirement for a profession in Geology is a Bachelor of Science degree from accredited Institute of Higher Education.
- A professional license issued by the Professional Regulation Commission after a successful board examination.

Cost of Education

The cost of the four year course in Geology normally ranges from Php50,000.00 to Php100,000.00 per semester. As estimated by the National Institute of Geological Sciences (UP NIGS) it could cost up to Php116,000.00 per semester. Cost of education in Geology outside of Metro Manila where it is offered in Camarines Sur, Negros Oriental, and Davao City, is considerably much lower because of lower tuition fees and cost of living expenses in these places.