



Want to become a professional?

Study

GEOLOGY

With us...

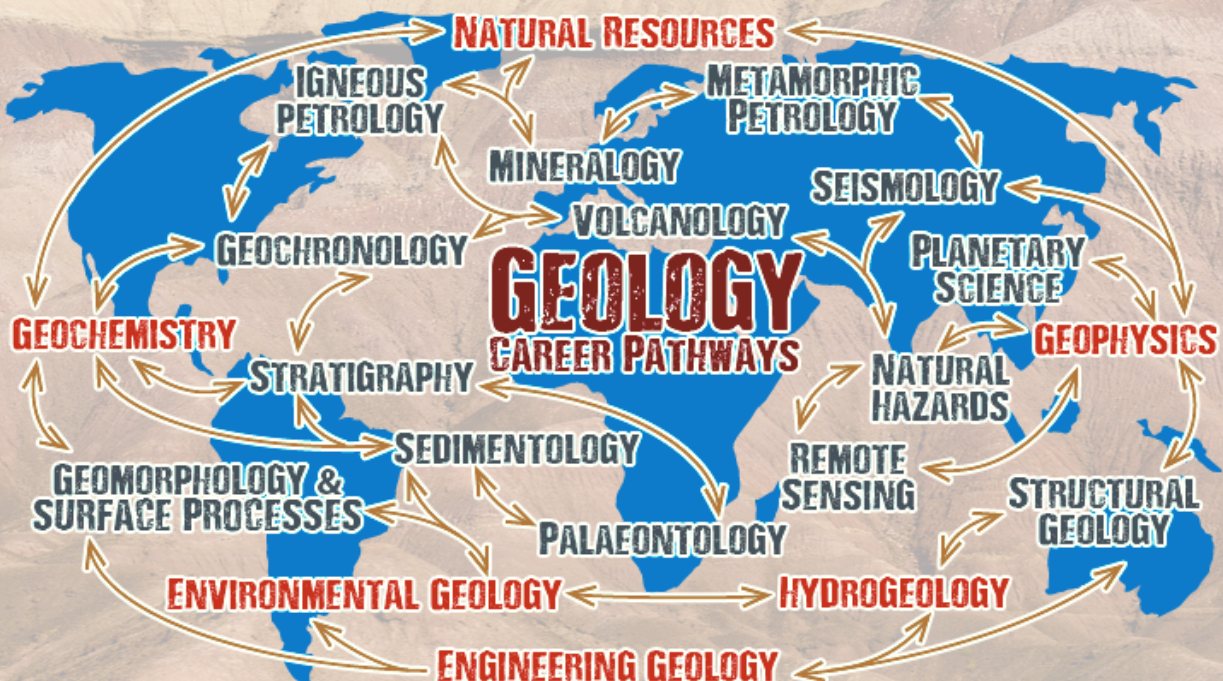
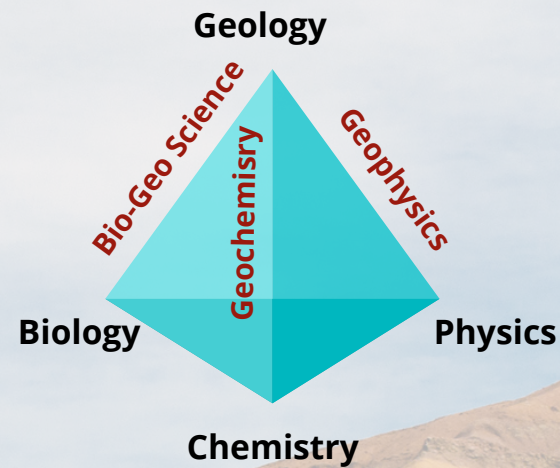
Department of Geology

<https://sci.pdn.ac.lk/geology/>



WHAT IS GEOLOGY?

It is the study of the ever-changing Earth and its environment and other planetary bodies. It examines the changes that occurred in the Earth since the origin of the Earth, 4.6 billion years ago to today. Geology helps us to understand the Earth's dynamic nature and interaction between its atmosphere, hydrosphere, biosphere, and lithosphere. It also investigates the physical, chemical, and biological processes that shape the earth and tackles issues related to resource identification and utilization, such as oil and gasses, water, minerals and safer living for mankind facing challenges posed by natural hazards.



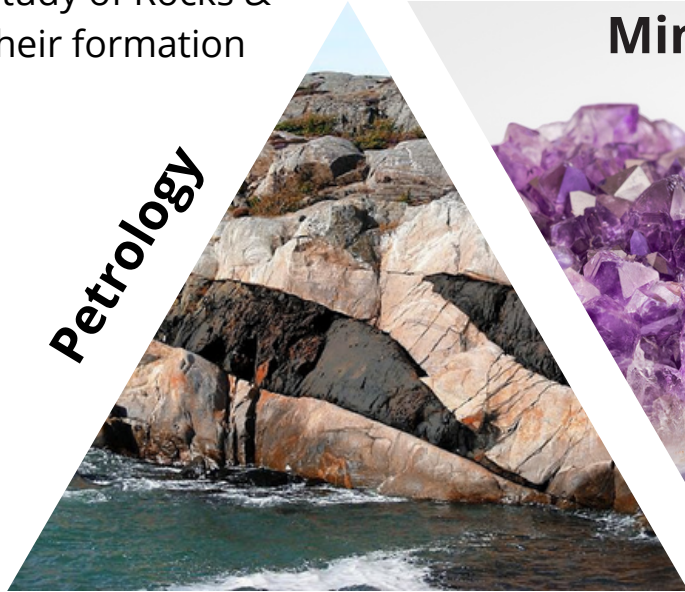
"Geology helps us to understand the dynamic nature of the Earth and the interaction between its atmosphere, hydrosphere, biosphere, and lithosphere"



SOME KEY AREAS IN GEOLOGY...

Study of Rocks &
their formation

Petrology



Study of Minerals & their formation

Mineralogy



Study of Earthquakes
& Tsunami

Seismology



**Structural
Geology**

Study of
Earth's deformation



Paleontology

Study of fossils & the Earth's history



**Hydrology &
Hydrogeology**

Study of surface
& groundwater



Engineering Geology

Study of stability of dams,
tunnels, high ways and high
rise buildings



Petroleum Geology

Study of oil & gas
resources



Geochemistry

Study of chemical
dynamics of the Earth &
Environment



DEPARTMENT OF GEOLOGY

The Department of Geology, established in 1964 as part of the University of Ceylon, is the only full-fledged Geology Department in the University system. It has forged ahead with vigor. Indeed within the last 40 years, it has progressed to a well-equipped academic and research center that has earned an international reputation.

The academic staff, in addition to their academic work, are actively engaged in innovative and cutting-edge research. Now the Department comprises twelve permanent academics who are trained in various fields of Geological Sciences at reputed national and international institutions.



UNDERGRADUATE STUDY IN GEOLOGY

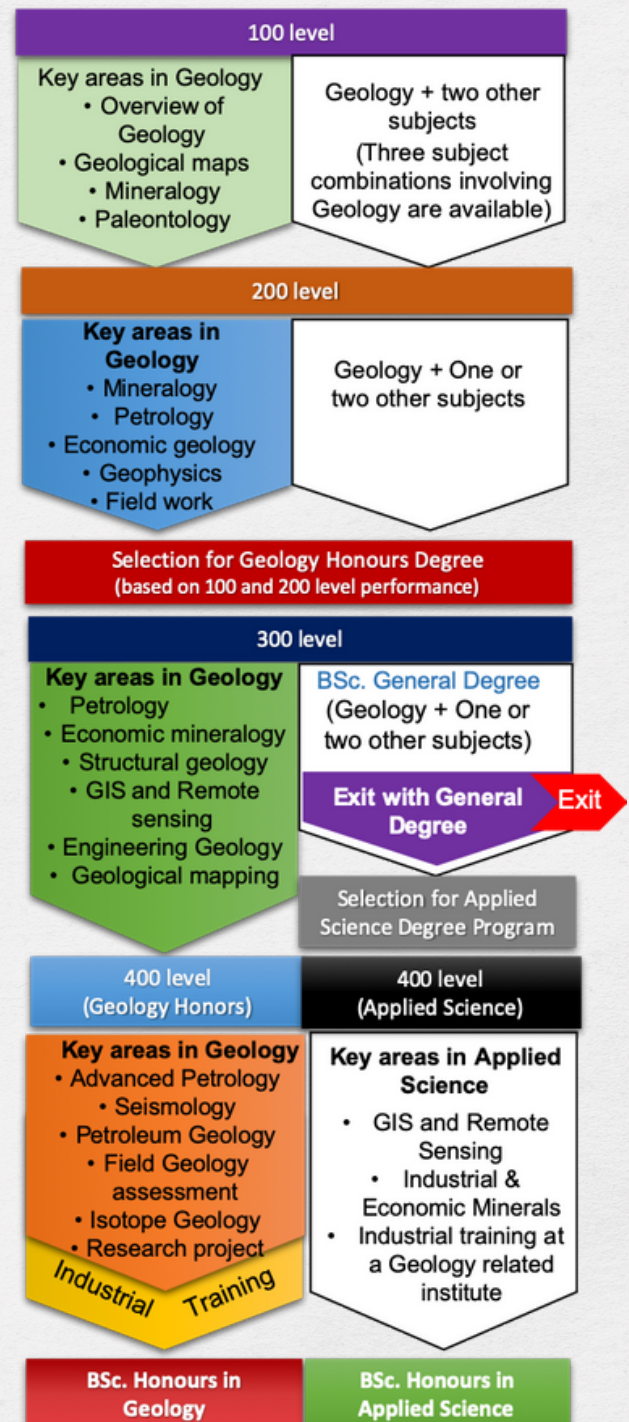
Our undergraduate program offers

- **B.Sc. General Degree - 3 years**
- **B.Sc. Honours Degree - 4 years**

The Honour degree program provides students a sound theoretical and practical knowledge encompassing field skills that are required to understand the processes in the Earth and its Environment. The program consists of several core courses and students select a wide range of courses from other disciplines depending on their interest.

Undergraduate research

The B.Sc. Honours degree students carry out their research projects in their final year and the findings often lead to presentations at national and international conferences and publications in refereed journals of Geology.





FIELD GEOLOGY

Field Geology is an essential component of the life of a Geologist. Therefore, the Department of Geology provides extensive training in Field Geology, in the form of excursions, field visits, and field camps during the undergraduate study period.





MEDALS AND SCHOLARSHIPS

P W Vitanage Memorial Medal (Proposed)

Will be awarded to the BSc. Honours graduand obtaining the highest GPA for Geology

P W Vitanage Memorial Scholarship

Awarded to the student obtaining the highest GPA for Geology (100 - 200 level)

Tissa Munasinghe Scholarship and G M Jayathilake Scholarship

Awarded to better-performing students in Geology (100 - 300 level) having financial constraints.

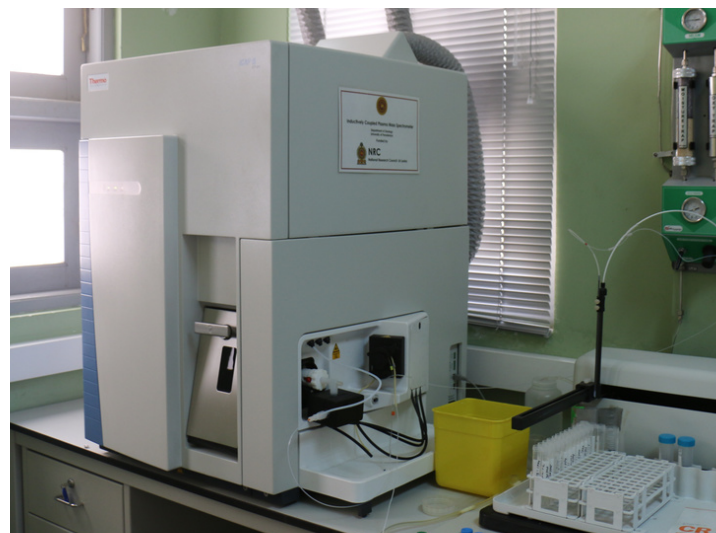


RESEARCH FACILITIES

The Department of Geology of the University of Peradeniya is well known for its research strength and excellent output of high-quality research and publications. The Department of Geology houses several high-tech research facilities.

Research areas

- Precambrian Geology
- Petrology and Structural Geology
- Applied Geochemistry and Medical Geology
- Mineral Exploration and Value Addition to Minerals
- Studies on Geohazards
- Geophysics and Hydrogeology
- Quaternary and Environmental Geology
- Hydrology
- GIS and Remote Sensing
- Paleo Climate
- Urban Geology
- Engineering Geology





AFTER GRADUATION.....

Career pathways

Many geology graduates enter professions directly and start the career as **Mineralogists, Petrologists, Engineering Geologists, Geochemists, Geophysicists, Petroleum Geologists & Hydrogeologists** in Government Institutes in Sri Lanka and in reputed national and international organizations.

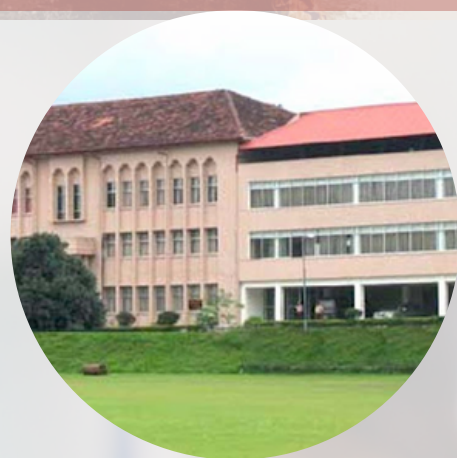
- Geological Survey and Mines Bureau (GSMB)
- National Water Supply and Drainage Board (NWSDB)
- National Building Research Organization (NBRO)
- Water Resources Board (WRB)
- Mahaweli Authority
- National Aquatic Resources Research and Development Agency (NARA)
- Petroleum Resources Development Secretariat (PRDS)
- Central Engineering Consultancy Bureau (CECB)
- Irrigation Department
- Gem and Jewellery Research and Training institute

Postgraduate studies

Postgraduate Institute of Science (PGIS) offers postgraduate programmes in Geology by taught courses and full-time research.

- M.Sc. in Geology
- M.Phil. in Geology
- Ph.D. in Geology

www.pgis.pdn.ac.lk/



Postgraduate Institute of Science (PGIS)

Over 80% of Geology graduates obtain national or international postgraduate qualifications

Foreign Postgraduate Studies

Many Geology graduates are admitted to reputed foreign Universities to pursue postgraduate studies. Particularly, in countries like....

USA, Japan, Germany, Australia, Canada, Switzerland, New Zealand, China.....

RECOGNITION AS A PROFESSIONAL GEOLOGIST

IGSL is the Professional Body for the Geologists in Sri Lanka to regulate, maintain and uphold the professional and ethical principles and standards in all matters connected with the practice of Geology. Every year IGSL recognizes professional geologists who are qualified to practice in Sri Lanka. Six years after graduation one can apply for this recognition and can become a Chartered geologist seven years after graduation

**Institute of Geology,
Sri Lanka (IGSL)**



www.igslweb.com



GEOLOGICAL COMMUNITY

University Geological Society

University Geological Society is one of the most famous and active societies in University of Peradeniya, established in 1965. The society also conduct field trips, hikes, annual picnics, geo talks, entertainment events, publish geo tab and participate on various educational endeavors.

VISIT [www.https://ugs.soc.pdn.ac.lk](https://ugs.soc.pdn.ac.lk)



Geological Society of Sri Lanka

The Geological Society of Sri Lanka (GSSL) established in 1983 is the premier forum dedicated to geoscientists of Sri Lanka. Annual sessions of the society and the Journal of the GSSL are a platform for geoscientists to publicise their research.

VISIT www.gsslweb.org

Headquarters: Department of Geology



Office: +94 81 239 (4200)/(4201)

Head: +94 81 239 (4211)

headgeology@sci.pdn.ac.lk

Web site: <https://sci.pdn.ac.lk/geology>

Contact

Head of the Department
Department of Geology
Faculty of Science
University of Peradeniya