

I want to be a geologist.



"A stone is ingrained with geological and historical memories."

- Andy Goldsworthy

▼ SAMPLE STUDY PLAN

Foundation Studies Programme



Delivered by UP International College New Zealand

Duration:

- 6 months
- 8-9 months
- 12 months

The VUW Foundation Studies Programme ensures you not only meet Victoria University of Wellington undergraduate course entry requirements but that you are fully prepared for the challenges of degree-level study.

Bachelor of Science in Geography/Geophysics



Delivered by Victoria University of Wellington

Duration: 3 years

Postgraduate Geology



Delivered by Victoria University of Wellington

Duration: 2 years

Career opportunities



A qualification in Geology or Geophysics can take you into interesting and important roles—both in New Zealand and overseas.

You might find work in the government sector as a scientific adviser, in the mining or mineral exploration sector, at a private consultancy, or working as a technician or scientist at a crown research institute. You could also continue university study as a graduate student. The quantitative and thinking skills that you will learn in the Earth sciences will serve you well in many other occupations.

EMPLOYABILITY

Geology and Geophysics graduates may work as practising geologists and geophysicists for crown research entities, government departments, universities and private companies involved in environmental, mining, oil, energy and infrastructure projects. They may start in research assistant or associate roles before progressing to more senior roles.

Graduates may also work in related roles such technical advisers, science policy analysts, data scientists, environmental management consultants, land advisers, geotechnical engineers or project advisers.

Postgraduate study, such as a Master's degree in Geology or Geophysics is recommended for many science-related, research and policy roles where in-depth analysis is important. A PhD is often required for senior, specialised roles.

Geologists advise on natural hazards and how to develop or use the Earth's land and resources.

Geophysicists use data-collecting technology to study natural processes of the Earth, such as earthquake and volcanic activity, and to locate minerals, oil and gas, or groundwater.

Find out more at careers.govt.nz



\$65K - \$75K

Graduate geologists/
geophysicists usually
earn a year



\$85K - \$120K

Mid-level geologists/
geophysicists



\$120K - \$180K

Senior geologists/geophysicists who lead
groups of scientists on projects

Source: GNS Science, 2021.



Clarrie Macklin

Research assistant, Antarctic Research Centre
Graduate, Victoria University of Wellington

STUDENT TESTIMONIAL

"I enjoyed learning about Earth and the complex systems that sustain life and shape the planet that we see today. I liked the component of field work with Geophysics and became drawn to the climate science side of the field. What surprised me is how diverse the subject range is in Earth sciences: subjects such as resource exploration, hazards, and climate studies all fit under the same umbrella of disciplines."

Overview

BACHELOR OF SCIENCE IN GEOLOGY / GEOPHYSICS



VICTORIA UNIVERSITY OF
WELLINGTON
TE HERENGA WAKA
NEW ZEALAND

Why choose Geology

Study the effects of shifting tectonic plates, how mountains are made, and the power of volcanic eruptions. Work and research in the lab and out in the field to discover the origins of the solar system and how magma moves within a volcano, and examine the Earth's changing climate.

Learn how and why rocks change in response to temperature and pressure, and look at fossils to understand the climate and environment of the past.

You'll examine how history is recorded in the geological record in places like Wellington Harbour, Antarctica, and the Taranaki Basin.

Why choose Geophysics

Geophysics explores the atmosphere and the ground beneath our feet—combining maths and physics with the outdoors. You'll get a solid grounding in the basics of earth sciences, maths and physics, and then choose to focus on either Meteorology or Solid Earth.

Focusing on Meteorology means you'll be looking at the weather—covering topics that include the dynamics of the atmosphere, climate change and the ways humanity influences the planet's weather.

In Geophysics-Solid Earth you'll look at the structure and properties of the Earth. You'll use mathematical techniques to explore our planet's natural forces—earthquakes, volcanoes, mountain building, and the deep structure of the land.



#1
in New Zealand for the
proportion of top-quality
researchers in Earth
Sciences[^]



Top 150
worldwide in Marine
and Earth Sciences[^]



Climate
Change Research
Institute



Antarctic
Research Centre

[^]2022 QS World University Rankings by Subject

FOUNDATION STUDIES PROGRAMME

| Programme type | Fast-track | Standard | Standard Plus | Foundation Connect |
|---|---|---|--|---|
| Duration | 6 months | 8-9 months | 12 months | 6 months |
| Tuition fees* | \$18,750 NZD | \$23,250 NZD | \$29,900 NZD | \$15,990 NZD |
| Resource fee | \$800 NZD | \$800 NZD | \$800 NZD | \$800 NZD** |
| Exam fee | \$350 NZD | \$350 NZD | \$350 NZD | \$350 NZD** |
| Application fee | \$400 NZD | \$400 NZD | \$400 NZD | \$400 NZD** |
| 2023 Start dates (incl. Orientation) | 17 February, 28 April, 13 July, 6 October | 17 February, 28 April, 13 July, 6 October | 17 February, 28 April, 13 July, 6 October | 17 February, 28 April, 13 July, 6 October |
| English language requirements*** | IELTS 6.0 (no band less than 5.0) | IELTS 5.5 (no band less than 5.0) | IELTS 5.0 (no band less than 4.5) | IELTS 4.5 (no band less than 4.0) |
| International entry requirements | IB: at least 4× 4 grade CIE: 2 B grades and 2 C grades | IB: at least 3× 4 grade CIE: 4 C grades | IB: at least 2× 4 grade CIE: 2 D grades and 2 C grades | Please contact UP International College at international@up.education |

*The tuition fees quoted above are in \$NZD and are correct at the time of publication (30 November 2022). Visit [wgnt.up.education](https://www.wgnt.up.education)

** Students starting with Foundation Connect will pay the Resource, Application and Exam fees once and will not be charged again upon progression to Foundation.

***IELTS criteria can be substituted for assessment with an UP English Language Test (UPELT) or accepted equivalents.



PROGRESSION REQUIREMENTS

To gain entry to a Victoria University of Wellington undergraduate degree from the Foundation Studies Programme:

- Successfully complete 120 credits in the Foundation Studies Programme.
- Achieve 50% or higher in all English courses and two other core subjects, equal to 60 credits.
- Achieve 50% or higher in six optional subjects equal to 60 credits (300 marks out of a possible 600).

| Programme | Intakes | Minimum Duration (Years) | Minimum English language proficiency |
|---------------------|----------------|--------------------------|--|
| Bachelor of Science | February, July | 3 | 50% in English for Tertiary Study Parts I and II (core subjects in Foundation Studies programme) |

SCHOLARSHIPS

Progression Scholarships

Progression scholarships of up to NZ\$5,000 are awarded towards the tuition fees of the first year of undergraduate degree study at Victoria University of Wellington.

Pathway Scholarships

International Excellence Scholarships of up to NZ\$5,000 and Fast Track Foundation Scholarships of up to NZ\$2,500 are available for the Foundation Studies Programme.

Foundation Connect Scholarship

Student who successfully progress from Foundation Connect programme to Standard Foundation programme will be awarded up to NZ\$5,000 scholarship if they achieve top results.



Scan to learn more about Scholarships and Academic Entry Requirements

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