

# Bachelor of Geology



JAMES COOK  
UNIVERSITY  
AUSTRALIA

*Ready today for tomorrow*

[jcu.edu.au](http://jcu.edu.au)





# Why JCU?

## A STUDENT EXPERIENCE LIKE NO OTHER

- Access to world-class teachers
- Develop skills in state-of-the-art facilities
- Achieve exceptional employment outcomes
  - Benefit from small class sizes
  - Connect with professional networks
- Support through scholarships for merit and equity
  - Discover great accommodation options

## UNIQUE ACCESS

Develop strong hands-on skills. Applying theory into practice, JCU students learn from various landscapes like the Great Artesian Basin, the Outback, and the Great Barrier Reef. JCU has been independently awarded five stars for learner engagement.\*

## SUSTAINABILITY GOALS

Meet the growing demand. Contributing to green energy production, JCU students innovate solutions to find essential sustainable materials.

## DEDICATED DEGREES

Specialise with a JCU Geoscience degree. Experts in their field and highly valued by employers, JCU graduates are knowledgeable in Earth Sciences and Geology. JCU is ranked five stars for median graduate salary.\*

## SUPPORT FOR YOUR SUCCESS

Explore JCU's range of scholarships, grants and bursaries and discover the right financial assistance to achieve your goals.

\*Good Universities Guide 2023, UG Science and Mathematics



# Bachelor of Geology

✓ Equip yourself with internationally-recognised training in one of the top three Geology programs in Australia. Benefit from specialist geological knowledge and strong industry connections to ensure you are job-ready upon graduation.

✓ Build an in-depth understanding of geoscience with a focus on exploration and mining. Learn about global economic geology and participate in current geological research projects through JCU's on-campus [Economic Geology Research Unit](#).

✓ Consolidate theoretical learning with frequent field trips and on-site practice. JCU's North Queensland location and close links with mining and allied engineering industries allow unique access to fascinating locations.

✓ Become a leading geoscientist. JCU Geology graduates are innovative, world-renowned problem-solvers working all over the world.

## COURSE DETAILS:

**Locations:** Townsville, Cairns (1st year only)

**Start Dates:** February, July

**Duration:** 3 years full-time,  
Part-time available

**ATAR:** 66.5

**Prerequisites:** English (Units 3/4, C)

**Recommended:** At least one of Biology, Chemistry, Earth and Environmental Science, Geography, Marine Science, Mathematical Methods (Units 3/4,C), Specialist Maths or Physics (Units 3/4,C); or equivalent.

Please visit the [handbook](#) for a detailed outline of the course structure.

Note: Information is for domestic students only.



# Ready today for tomorrow

We live in a dynamic world with a changing climate. Geology is vital to answering the fundamental questions of energy, water and environmental sustainability, and for discovering the minerals and resources essential for the technological advancement and progression of society.

Geology helps us to understand the processes that link the physical world with the biological world, to model and forecast our future, and work towards solutions. Geologists tackle complex issues, such as long-term sustainable use of resources and mitigating against the natural hazards and forces of nature, from earthquakes and volcanic eruptions, to tsunamis and landslides.

## WHAT DO GEOLOGISTS DO?

Geologists are scientific detectives who try to reveal the past and the future of the Earth. Few scientific disciplines are as hands-on as geology, and as a field-based and multidisciplinary science, geology integrates the principles of chemistry, physics, biology and mathematics in the study of Earth processes and history.

Geologists study a broad range of topics including plate tectonics, glaciers, floods, groundwater flow, and even palaeontology. If you enjoy working outdoors, have a good scientific background, and are interested in understanding how the world works, you will find geology a rewarding area of study.





*“JCU’s geology program is internationally renowned for its quality and research, with particularly good industry support and backing and real job opportunities for students. It is nice to be part of a smaller university where staff and students actually get to know each other, and where there is opportunity for undergraduates to get involved in research. In addition, the highlight of our degree is the opportunity for field-based learning. We bring our students into the field, and provide real hands-on learning, as well as opportunity for work integrated learning.”*

**Associate Professor Eric Roberts**

HEAD, EARTH AND ENVIRONMENTAL SCIENCE



*"I did not do chemistry in high school and only did maths A. However, JCU offers pre-courses as intensive blocks that allowed me to catch up on these skills and set me up for my degree. In pursuing honours, I wanted to continue my studies at JCU because the geoscience staff are world-renowned in their fields. They are always happy to give their time and share their knowledge whenever I needed it. Everybody within the college wants you to succeed."*

**Renee Bensemman**

BACHELOR OF GEOLOGY



## Career Opportunities

JCU Geology graduates are uniquely skilled with strong connections to industry and extensive experience undertaking fieldwork.

Graduates pursue careers in various areas including hard-rock mining and fossil fuel exploration, mineral processing, environmental assessment or mine site remediation. Join the demand in contributing to green energy production and sourcing essential sustainable materials.

You could find employment as a geoscientist, environmental geologist, management consultant, palaeontologist, teacher, or academic. Alternatively, go on to study the Bachelor of Geology (Honours).







# JCU Accommodation

Study and live in some of the most interesting places in the world. Cairns and Townsville are on the doorstep of the Great Barrier Reef, magnificent rainforests, the savannah region and Outback Australia.

Living on-campus is a great way to make the most of your time at JCU. JCU Townsville, Bebegu Yumba campus, Douglas, has five different accommodation options housing over 1,300 students. JCU Cairns, Nguma-bada campus, Smithfield, features an accommodation complex for 300 students. Living on-campus is a great place to make new friends and immerse yourself in the JCU culture. All rooms at our on-campus residences are single board, with a single bed, study desk, chair, fan, air-conditioning and Wi-Fi. Each residence is different in regards to style of living, culture and atmosphere. There are options for fully catered or self-catered housing. Find out more at [jcu.edu.au/accommodation](https://jcu.edu.au/accommodation)



## Contact us

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