

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



ENEC28001 Geotechnical Engineering Design

Term 1 - 2026

Profile information current as at 05/12/2025 02:02 pm

All details in this unit profile for ENEC28001 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

Geotechnical Engineering Design will enable you to develop and apply your knowledge of Australian Standards and/or relevant guidelines to analyse and design advanced geotechnical engineering structures involving a broad range of investigations. You will learn to use computer software to analyse and design the geotechnical components; conduct site investigations; test and characterise geotechnical materials, design foundations, and earth retaining structures; and make assessments of geotechnical stability. Considering stakeholders and sustainability requirements, you will formulate, plan, manage, and complete projects individually and in teams in an ethical and professional manner by. You will also document and communicate engineering information using appropriate language for a professional engineer.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 1 - 2026

- Melbourne
- Rockhampton

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Information for Class and Assessment Overview has not been released yet.

This information will be available on Monday 12 January 2026

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from SUTE Teacher Evaluation Report

Feedback

Students found the unit challenging but appreciated the coordinator's teaching style, which included the use of tutorial questions, practical examples, and real-world applications to simplify complex concepts and improve understanding. This approach greatly enhanced their confidence and grasp of the subject matter.

Recommendation

Practical examples and tutorial questions should be maintained and further enhanced to simplify complex concepts. Consider incorporating more real-world case studies and interactive problem-solving sessions, which should continue to build student confidence and understanding.

Feedback from SUTE Teacher Evaluation Report

Feedback

Students suggested incorporating more practical laboratory work alongside software-based analysis to enrich the learning experience. They also recommended adding site visits to geotechnical facilities or related industries to provide hands-on, real-world exposure.

Recommendation

Practical laboratory sessions should be incorporated to complement software-based analysis and provide a balanced learning approach. Site visits should be organised to geotechnical facilities or related industries to offer students hands-on, real-world exposure and reinforce theoretical knowledge upon availability.

Feedback from SUTE Teacher Evaluation Report

Feedback

The unit is well-received for its clarity and relevance, with a focus on enhancing its practical aspects through additional hands-on learning opportunities.

Recommendation

Delivering clear and relevant content while expanding hands-on learning opportunities should continue. Enhancing practical engagement by integrating more lab activities, fieldwork, or industry collaborations should strengthen real-world application and student learning outcomes.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 12 January 2026

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Information for Alignment of Learning Outcomes, Assessment and Graduate Attributes has not been released yet.

This information will be available on Monday 12 January 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 16 February 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.