

In Progress

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



# ENEC12008 *Geotechnical Engineering*

## Term 2 - 2027

Profile information current as at 04/09/2026 05:53 pm

All details in this unit profile for ENEC12008 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

This unit explains how geological processes that produce landforms, geological structures, rocks, and soils affect the location, design, construction, and maintenance of civil engineering projects. In this unit, you will gain knowledge of the engineering properties of soils, conduct and analyse data from geotechnical tests performed according to Australian Standards, and prepare high quality geotechnical reports. You will select appropriate approaches for analysing the behaviour of soils in civil engineering applications. You will need to use appropriate 'civil engineering language' in context and document the process of modelling and analysis of geotechnical problems. You will present information in a professional manner and communicate, work, and learn, both individually and in teams. In this unit, you must complete compulsory practical activities. Refer to the Engineering Undergraduate Course Moodle site for proposed dates. This unit will promote progress toward the United Nation's Sustainable Development Goal 15 - Life on the land.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Prerequisites: [ENEG11006 Engineering Statics AND [MATH11218 Applied Mathematics OR MATH11160 Technology Mathematics]

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 2 - 2027

- Bundaberg
- Cairns
- Gladstone
- Mackay
- Mixed Mode
- 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 17 May 2027

## 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
- Academic Progression Policy and Procedure
- Student Refund and Credit Balance Policy and Procedure
- 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

Feedback

The lecturer makes serious attempts to make everyone understand the physical concepts.

Recommendation

The interactive lectures should be maintained with a focus on student understanding and comprehension of various topics.

#### Feedback from SUTE

Feedback

The unit support level was exceptional and greatly helped learning. The MATLAB scripts were phenomenal.

Recommendation

The outstanding support towards student queries should be maintained. The MATLAB script-based learning should be continued.

#### Feedback from SUTE

Feedback

There should be more discussion on the application side of things as opposed to theory.

Recommendation

Class discussion and lecture content should focus more on the application of various concepts within the geotechnical domain practice.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 17 May 2027

## 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 17 May 2027

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.  
This information will be available on Monday 21 June 2027

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.  
This unit profile has not yet been finalised.