

In Progress

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



ENEG11005 *Introduction to Contemporary Engineering*

Term 1 - 2026

Profile information current as at 22/01/2025 09:09 pm

All details in this unit profile for ENEG11005 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

In this unit you will be introduced to some of the key professional and technical areas of contemporary engineering. You will learn about the levels of practice within the engineering profession and the corresponding graduate capabilities developed by our courses. You will be introduced to support services that assist in your learning as well as various study, time management and team work techniques to assist in your transition to higher education. Understanding the importance of developing information literacy, respecting academic integrity and using new technologies such as AI to your advantage, will equip you to successfully complete future units. For the majority of the term, in this double-weighted unit, you will develop your knowledge of key professional and technical skills whilst working on an engineering project. As a team, you will work towards preparing a technical report that professionally communicates the full engineering problem solving process. This will culminate in the delivery of a presentation to your peers. As an individual, you will be assessed on your contribution to the team project as well as being asked to demonstrate your understanding of the weekly topics. Topics are intended to introduce you to key professional and technical skills. Technical proficiencies include coding, sketching, visualisation, and computer-aided drafting. Whilst professionally you will enhance your knowledge of engineering values, including sustainable and ethical development, effective communication, and working with innovation, risks, people, and complex projects. Successful completion of this unit will prepare you for the following project-based learning units.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

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

- Bundaberg
- Cairns
- Gladstone
- Mackay
- Mixed Mode
- Online
- 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 data

Feedback

Release of lecture slides in advance.

Recommendation

The lecture slides should be released before the lecture session each week.

Feedback from SUTE data

Feedback

Outline the connections between topics early in the unit.

Recommendation

Week 1 lecture should highlight where the information on each topic will be useful, how it will be applied, and how it will be assessed.

Feedback from SUTE data

Feedback

Students found the feedback they received to be very useful for their learning.

Recommendation

Effective feedback is crucial for student learning as such, the practice of providing effective feedback will continue.

Feedback from Unit Coordinator's reflection

Feedback

The requirement to attend in-person residential school has caused a significant number of students to drop the unit due to family and work commitments.

Recommendation

A flexible residential school attendance option for residential school should be explored.

Feedback from Unit Coordinator's reflection

Feedback

Students will benefit from the unit content by including advanced computation skills / coding activities.

Recommendation

Activities and assessments related to advanced computation skills/coding should be incorporated.

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.