

In Progress

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



ENEG13002 *Engineering Futures*

Term 2 - 2027

Profile information current as at 07/09/2026 09:23 pm

All details in this unit profile for ENEG13002 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

The rapid development of technology continually influences and challenges how engineers practice. In this unit, you will learn about cutting-edge engineering projects incorporating multi-disciplinary teams, innovative methods to advance the United Nation's Sustainable Development Goals, and the application of big data, artificial intelligence, and the Internet of Things. The unit will also present future expectations for practicing engineers, such as becoming a Registered Professional Engineer, understanding risk management in a changing world, complying with legislation, and promoting safety in engineering design and workplace operations.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-Requisite: Successful completion of 48 credit points.

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
- 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 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 Student Evaluation

Feedback

Students valued the exposure to industry perspectives and practical examples during lectures and the team project assessment.

Recommendation

Recommend continuing to use industry guest speakers and applied project activities while ensuring their content remains clearly aligned with weekly learning outcomes.

Feedback from Student Evaluation

Feedback

Students indicated that learning materials and weekly topics were sometimes difficult to prioritise or did not clearly link to the group project or their specific discipline.

Recommendation

Recommend reorganising Moodle resources into clearly prioritised core and supplementary sections and strengthening explicit links between weekly topics, project tasks, and discipline-specific examples to improve perceived usefulness and relevance.

Feedback from Student Evaluation

Feedback

Students reported limited learning value from assessments and requested clearer and more timely feedback.

Recommendation

Recommend enhancing assessment feedback clarity by refining marking rubrics, providing brief in-class review of common assessment outcomes, and improving quiz and discussion forum feedback explanations to support learning from assessment tasks.

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.