

In Progress

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



ENEE14005 Capstone Power and Control Design

Term 1 - 2026

Profile information current as at 22/01/2025 08:46 pm

All details in this unit profile for ENEE14005 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 work in a team to analyse and design electrical power and control systems by applying PSSE or equivalent industry software. You will also focus on renewables, promoting the United Nations Sustainable Development Goal 7: Affordable and Clean Energy. On satisfactory completion, you will be able to investigate solutions for contemporary engineering problems, plan and control project work in a team environment, research current practice in this discipline, execute evidence-based decision-making, check and evaluate the validity of information, and prepare professional documentation for a project.

Details

Career Level: *Undergraduate*

Unit Level: *Level 4*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites

Prerequisites: ENEE13021 Power System Analysis and Design AND ENEE13019 Control Systems Analysis and Design

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
- 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

Feedback

Students appreciated the unit coordinator's excellence in engaging them during lectures and even in recorded sessions.

Recommendation

This good practice should be continued.

Feedback from SUTE

Feedback

Students found that although the marking rubric was detailed, it did not align well with the project description.

Recommendation

The marking rubrics for the progress report, presentation, and final report should be reviewed to ensure they are fully aligned with the project description and clarify the unit requirements.

Feedback from Unit coordinator's reflection

Feedback

Students felt that the learning materials provided were insufficient to cover the knowledge and skills required for this unit.

Recommendation

The current learning resources and unit materials should be reviewed, and additional resources should be provided to enhance students' knowledge.

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.