

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 - 2027

Profile information current as at 07/09/2026 08:54 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 - 2027

- 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 11 January 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 In-class feedback

Feedback

Students appreciated that the project in this unit provided an opportunity to learn a commercial software tool (PSSE) and to gain insight into how renewable integration projects are conducted in the real-world industry setting.

Recommendation

This good practice should be continued..

Feedback from Unit evaluation

Feedback

Students suggested that the unit requirements were not clearly stated.

Recommendation

In the next offering, ensure that unit requirements are clearly articulated and communicated to students through both Moodle and during the initial lectures.

Feedback from Unit evaluation

Feedback

Students suggested that more learning materials should be provided.

Recommendation

Review the existing learning materials available on Moodle and ensure that relevant supplementary resources are added or updated to support students' learning needs throughout the term.

Feedback from Unit evaluation

Feedback

Students suggested the unit content should be reviewed to ensure its usefulness and relevance to their degree.

Recommendation

Conduct a thorough review of the unit's content to ensure alignment with current industry practices and the learning outcomes of the degree. Update or replace topics and activities as needed to ensure the unit delivers relevant, practical, and discipline-specific skills that enhance graduate employability.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 11 January 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 11 January 2027

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 15 February 2027

Academic Integrity Statement

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