

In Progress

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



ENEE13021 *Power System Analysis and Design*

Term 2 - 2026

Profile information current as at 22/01/2025 08:41 pm

All details in this unit profile for ENEE13021 have been officially approved by CQU University 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

On the satisfactory completion of this unit, you will be able to work both individually and in a team to model, analyse and investigate design and operation options for electrical power networks to meet community service requirements. You will be able to analyse the steady-state performance of power systems, perform both symmetrical and unsymmetrical fault calculations, and conduct stability analysis of power systems. You will be using the industry standard power system simulation software to simulate different scenarios in the power network. As such, you will articulate the process of updating and maintaining power network assets to meet most safety, reliability, and quality requirements for both the present and future.

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

ENEE12015 Electrical Power Engineering.

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 - 2026

- 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 18 May 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 quality of teaching materials.

Recommendation

This good practice should be continued for the student success.

Feedback from SUTE

Feedback

Students expected further clarifications on the feedback.

Recommendation

More feedback should be provided on the assessments, such as an extra online session can be offered to provide more interactive feedback.

Feedback from SUTE

Feedback

Students expected more useful knowledge/skills of the unit.

Recommendation

Future versions of the unit could include more real-world case studies, industry examples, or practical experiences to show how the content is relevant to actual work. More clarifications on the practical benefits of the unit in their future careers should be provided.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 18 May 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 18 May 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 22 June 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.