

In Progress

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



ENAE12006 *Electrical Machines and Drives*

Term 1 - 2025

Profile information current as at 05/09/2024 03:49 pm

All details in this unit profile for ENAE12006 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

In this unit, you will be introduced to different types of electrical machines that convert electrical energy to other forms of energy. You will cover construction and operational characteristics of DC and AC electrical machines. You will also get a basic understanding of machine protection and control schemes. You will work, learn and communicate ethically and professionally, to investigate and solve problems and present solutions. You will communicate technical aspects and operation of electrical machines and clearly document solutions to problems. In this unit, you must complete compulsory practical activities. Refer to the Engineering Undergraduate Course Moodle site for proposed dates.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisite: ENEE12015 Electrical Power Engineering OR ENAE12007 Electrical Power Systems

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 - 2025

- Mixed Mode

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 13 January 2025

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 Unit Evaluation Comments

Feedback

Students found this unit an enjoyable learning experience.

Recommendation

This good practice should be maintained.

Feedback from Unit Coordinator

Feedback

Students appreciated the considerable amount of learning in this unit about electrical machines, drives and their applications.

Recommendation

This good practice should be maintained.

Feedback from Unit Evaluation

Feedback

Students suggested that unit requirements to be clearly mentioned in the unit.

Recommendation

Requirements of the unit and its assessments should be mentioned on Moodle and be presented in a lecture or tutorial session for providing more clarity to students.

Feedback from Unit Evaluation

Feedback

Students suggested that some of unit contents might be less useful for their learning.

Recommendation

Contents of this unit should be reviewed in terms of relevancy to the unit learning outcomes and usefulness for students.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 13 January 2025

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 13 January 2025

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 February 2025

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.