

In Progress

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



ENEM13019 *Fluid Machinery*

Term 1 - 2026

Profile information current as at 05/12/2025 02:12 pm

All details in this unit profile for ENEM13019 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

This project-based unit will introduce you to fluid drive systems and the design and control of integrated drive systems for use in industries. It covers comparison of characteristics, construction, selection, design and operation of fluid drives and control systems; use of mathematical models to analyse performance; machine protection and control schemes; and evaluation of drive system performance. You will apply formulas and explain and record calculations. You will adopt professional approaches to work in teams and learn collaboratively to manage and complete projects. You will manage your own learning; investigate, design and check designed works performed; and communicate professionally using discipline language to present designs and problem solutions. Distance education students are required to have access to a computer, to make frequent use of the internet, and are required to participate in residential school activities.

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-requisites: ENEM12006 Fluid Mechanics and ENEM12010 Engineering Dynamics

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 Unit Coordinator's reflection

Feedback

The response rate is low and no trend/mode evolved.

Recommendation

Personal engagement with students should be made to enhance the student feedback rate.

Feedback from Unit Coordinator's reflection

Feedback

The team projects in context are essential for student learning.

Recommendation

The industry-based project scopes should be adopted.

Feedback from Unit Coordinator's reflection

Feedback

The software tutorial enhances student interest in project work and learning.

Recommendation

The use of simulation software tutorials should be continued.

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.