

In Progress

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



ENEM13012 Maintenance Engineering

Term 1 - 2026

Profile information current as at 05/12/2025 01:17 pm

All details in this unit profile for ENEM13012 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 unit introduces you to the importance of effective maintenance management in the industry, the costs of maintenance, and the benefits of effective maintenance planning and strategies. Emphasis is placed on practical aspects of managing maintenance for plant and equipment. You are introduced to techniques and methods for monitoring the condition of plant and equipment, and to processes used to implement and manage condition monitoring in the light of ISO55000. You will investigate maintenance management problems and prepare plans to solve such problems in context of relevant UN Sustainable Goals. The unit delineates methods for assessing maintenance effectiveness and improving maintenance management systems and provides a platform for developing skills for working and learning autonomously to solve problems, document approaches used to solve problems, and communicate professionally.

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-requisite: ENEG11007 Industry Project Investigation OR ENTA11014 Aircraft Structural Maintenance Practices.

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
- 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 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 Student's email & SUTE

Feedback

Overall rating of the unit delivery.

Recommendation

Recommended to make the real-life case studies, alive maintenance examples more accessible for the students.

Feedback from SUTE

Feedback

Clear and useful feedback.

Recommendation

Recommended to keep providing high-class elaborated feedback showing how a student lost marks, providing a written explanation of the answer, and indicating the fruitful sources.

Feedback from Students' comments

Feedback

Materials sourced from more varied resources could enhance the lecture.

Recommendation

Since the class is multi-disciplinary, recommended, examples in the lecture should be added from different engineering discipline areas, so as the assessment setting.

Feedback from SUTE

Feedback

Maintenance data for assignments were hard to source.

Recommendation

Recommended, Lecturer to help sourcing the data, also recommended that the lecturer should offer information on the required data set for students.

Feedback from Unit Evaluation

Feedback

Useful learning materials in-accessibility.

Recommendation

Strongly recommended to improve the accessibility to learning materials including enhancing quality of the materials.

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.