

In Progress

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



# ENEM13018 *Materials and Manufacturing*

## Term 2 - 2027

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

All details in this unit profile for ENEM13018 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 offers comprehensive information on material behaviours and manufacturing properties, principles, processes, and technologies. The unit aims to deepen your understanding of the material selection process and to enable you to identify appropriate manufacturing processes for a particular product design and development. You will study bulk deformation, material removal, finishing, joining and other modern manufacturing processes. You will also study product design, quality management, and manufacturing in a competitive environment. You will apply information literacy skills to obtain relevant engineering information and identify appropriate standards and practices.

### 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

Prerequisites: (ENEG11008 Materials for Engineers or ENEG12005 Materials Science & Engineering) and MATH11218 Applied Mathematics or MATH11219 Engineering Mathematics.

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 - 2027

- 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 17 May 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 SUTE

Feedback

The curriculum is extensive compared to other 6-credit units.

Recommendation

The Unit Coordinator should audit the content and ensure it meets the requirements for a 6 credit points.

#### Feedback from SUTE

Feedback

Assessment feedback could provide great explanations for improvement.

Recommendation

The Unit Coordinator should provide individual feedback with proper reasoning and justification for the marks awarded.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.  
This information will be available on Monday 17 May 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 17 May 2027

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.  
This information will be available on Monday 21 June 2027

## Academic Integrity Statement

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