

## In Progress

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



# ENEG11006 Engineering Statics

## Term 3 - 2023

Profile information current as at 26/03/2023 11:01 pm

All details in this unit profile for ENEG11006 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

This unit introduces Newtonian physics concepts governing the behaviour of stationary engineering systems. To determine design parameters, you will study forces applied to two and three-dimensional bodies under the static equilibrium state. You will determine internal forces, calculate support reactions, and develop Free-body, Shear Force and Bending Moments diagrams. You will also calculate sectional properties, including the center of gravity, centroid, and second moment of inertia. Upon completing this unit, you will understand the foundations of engineering statics enabling progress to advanced system/structural analysis and development of sustainable infrastructure

### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

There are no requisites for this unit.

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 3 - 2023

- Online

### 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 11 September 2023

## 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 Survey

##### **Feedback**

The unit is well-organised with thorough lecturers and tutorials.

##### **Recommendation**

Maintain high-quality lectures and tutorials and unit good organisation in future offerings.

#### Feedback from Student Survey

##### **Feedback**

Some questions in the textbook do not have worked solutions.

##### **Recommendation**

The textbook contains lots of examples of the worked solutions. Students should use the problems at the end of each section for further practice. The final answer to these problems is provided at the end of the textbook. Furthermore, the weekly tutorial questions are selected from these problems and the full solution to these selected problems is available on Moodle.

#### Feedback from Student Survey

##### **Feedback**

Relate questions in the assessments to real-world problems.

##### **Recommendation**

The real-world relevance of different concepts taught in this unit is discussed in the lectures and tutorials wherever applicable. Consider more emphasis on the application of different concepts in the design of the assignments.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 11 September 2023

## 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 11 September 2023

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 11 September 2023

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.