

In Progress

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



# ENAC12002 *Steel and Concrete Design*

## Term 1 - 2027

Profile information current as at 09/09/2026 05:05 am

All details in this unit profile for ENAC12002 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 basic principles and processes of structural design. You will learn how to design simple structural components made of steel and reinforced concrete under the supervision of a professional engineer. The concept of load action will be introduced and you will build on the structural analysis skills developed in Engineering Statics. Properties of common construction materials and structural sections will be reviewed in the context of sustainability. You will also develop your professional communication, problem-solving and ethical practice skills.

#### 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

Prerequisite: ENEG11006 Engineering Statics and ENEG11008 Materials for Engineers.

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 - 2027

- 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 January 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 Students Feedback

Feedback

Well-delivered unit with appropriate support is given by the lecturer.

Recommendation

The best practice should be continued in future offers.

#### Feedback from Self Reflection

Feedback

Unit resources required a full update with recent changes and amendments in the AS3600 and AS4100.

Recommendation

Unit resources should be updated to reflect recent changes and amendments to AS3600 and AS4100 as necessary.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.  
This information will be available on Monday 11 January 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 11 January 2027

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.  
This information will be available on Monday 15 February 2027

## Academic Integrity Statement

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