

## In Progress

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



# ENEP14004 *Engineering Practice Experience*

## Term 2 - 2024

Profile information current as at 15/05/2024 01:30 pm

All details in this unit profile for ENEP14004 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

Engineering practice is essential for all graduating engineers. In this unit, you will analyse the structure, products, and services of your host organisation. You will demonstrate completing the professional practice requirements of your course. Additionally, you will reflect on attaining Engineers Australia's Stage 1 Competencies using evidence from your e-portfolio, professional practice experience, units studied, and other experiences. Finally, you will identify future opportunities aligned with your interests and capabilities to develop a career plan.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 4*

Credit Points: *0*

Student Contribution Band: *2*

Fraction of Full-Time Student Load: *0*

### Pre-requisites or Co-requisites

Prerequisite: 72cp for CC02 Associate Degree of Engineering students OR otherwise, the final-year Project Planning unit (ENTG13002 OR ENEG14003)

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 - 2024

- 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

### Recommended Student Time Commitment

Each 0-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 0 hours of study per week, making a total of 0 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

### Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

## 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 Formal student evaluation

**Feedback**

The requirements of the unit must be clarified.

**Recommendation**

Change and clarify the assessment structure.

#### Feedback from Formal student evaluation

**Feedback**

Report templates need to be updated and clearer examples of what is required needs to be provided

**Recommendation**

Update reporting templates and provide some examples of reports.

#### Feedback from Formal student evaluation

**Feedback**

The process of recording working hours for CPD requirements was unclear.

**Recommendation**

Provide clear instructions on recording hours of work experience.

## Unit Learning Outcomes

**On successful completion of this unit, you will be able to:**

1. Analyse the structure, products, and services of an engineering organisation
2. Apply skills and knowledge developed in an academic course to practice in an engineering organisation
3. Reflect on and map Engineers Australia's Stage 1 Competency Standards to professional practice activities
4. Develop a strategic approach to personal and professional growth in the workplace.

**The Learning Outcomes for this unit are linked with the Engineers Australia Stage 1 Competency Standards for Professional Engineers in the areas of 1. Knowledge and Skill Base, 2. Engineering Application Ability and 3. Professional and Personal Attributes at the following levels:**

### **Advanced**

**1.1 Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline. (LO: 2A 3A)**

**1.2 Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline. (LO: 2A 3A)**

**1.3 In-depth understanding of specialist bodies of knowledge within the engineering discipline. (LO: 2A 3A)**

**1.4 Discernment of knowledge development and research directions within the engineering discipline. (LO: 2A 3A)**

**1.5 Knowledge of engineering design practice and contextual factors impacting the engineering discipline. (LO: 2A 3A)**

**1.6 Understanding of the scope, principles, norms, accountabilities, and bounds of sustainable engineering practice in the specific discipline. (LO: 2A 3A)**

**2.1 Application of established engineering methods to complex engineering problem solving. (LO: 2A 3A)**

**2.2 Fluent application of engineering techniques, tools and resources. (LO: 2A 3A)**

**2.3 Application of systematic engineering synthesis and design processes. (LO: 2A 3A)**

**2.4 Application of systematic approaches to the conduct and management of engineering projects. (LO: 2A 3A)**

**3.1 Ethical conduct and professional accountability. (LO: 1A 2A 3A 4A)**

**3.2 Effective oral and written communication in professional and lay domains. (LO: 1A 2A 3A 4A)**

**3.3 Creative, innovative, and pro-active demeanour. (LO: 1A 2A 3A 4A)**

**3.4 Professional use and management of information. (LO: 1A 2A 3A 4A)**

**3.5 Orderly management of self, and professional conduct. (LO: 1A 2A 3A 4A)**

**3.6 Effective team membership and team leadership. (LO: 1A 2A 3A 4A)**

**Note: LO refers to the Learning Outcome number(s) which link to the competency and the levels: N - Introductory, I - Intermediate and A - Advanced.**

**Refer to the Engineering Undergraduate Course Moodle site for further information on the Engineers Australia's Stage 1 Competency Standard for Professional Engineers and course level mapping information**  
<https://moodle.cqu.edu.au/course/view.php?id=1511>



## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Communication	•		•	•
2 - Problem Solving		•		
3 - Critical Thinking	•	•	•	•
4 - Information Literacy	•			
5 - Team Work		•		
6 - Information Technology Competence		•		
7 - Cross Cultural Competence		•		
8 - Ethical practice		•		•
9 - Social Innovation		•		
10 - Aboriginal and Torres Strait Islander Cultures				

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 June 2024

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.