



ENEP12010 *Industry Practice 2*

Term 1 - 2019

Profile information current as at 21/05/2024 08:23 am

All details in this unit profile for ENEP12010 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 provides students with the opportunity to apply skills and knowledge developed in the academic course to engineering practice and to develop new engineering practice skills and knowledge. They document and reflect on work activities and relate them to Engineers Australia Stage 2 Competency Standards and develop a strategic approach to personal growth in the workplace. Students are required to undertake a minimum of 24 weeks of paid work placement that may require relocation of accommodation to suit their employment.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites

ENEP11010 Industry Practice Review AND Prerequisite ENEP12007 Engineering Business Fundamentals Prerequisite
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 - 2019

- Mixed Mode

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 12-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 hours for the unit.

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Portfolio**

Weighting: 100%

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 Self Reflection, Discussion with other faculty members

Feedback

Include some intermediate assessment items apart from portfolio to keep the students involved in the unit.

Recommendation

Submissions like company information, placement objectives should be added as mandatory submissions during the term to help students start collating portfolio information in a timely manner.

Unit Learning Outcomes

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

1. Apply skills and knowledge developed in the academic course to engineering practice in an engineering organisation.
2. Develop engineering practice skills and knowledge to complement the skills and knowledge developed in the course.
3. Record and reflect on work activities and map them to Engineers Australia Stage 2 Competency Standards.
4. Develop a strategic approach to personal growth in the workplace.
5. Document the structure, products and services of an engineering organisation.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Portfolio - 100%	●	●	●	●	●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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					

Alignment of Assessment Tasks to Graduate Attributes

[illegible]

Textbooks and Resources

Textbooks

There are no required textbooks.

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Francis Edwards Unit Coordinator
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Schedule

Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Complete work placement details. Commence development of placement objectives and descriptions. Continue work placement and document weekly journals.		

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Complete work placement objectives. Continue work placement and document weekly journals.		

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue work placement and document weekly journals.		

Week 12 - 03 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
Commence Individual Portfolio development. Commence Self-Evaluation and Reflection. Continue work placement and document weekly journals.		

Review/Exam Week - 10 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
Continue Individual Portfolio development. Continue Self-Evaluation and Reflection. Continue work placement and document weekly journals.		

Exam Week - 17 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
Complete Employer Evaluation based on Stage 1 Competencies. Complete Self-Evaluation and Reflection. Complete Individual Portfolio development.		Individual Portfolio Individual Portfolio Due: Exam Week Friday (21 June 2019) 10:00 pm AEST

Term Specific Information

Your work placement may continue beyond the end of Term 1. Your final portfolio assessment item should be submitted as soon as practicable following completion of your work placement.

Assessment Tasks

1 Individual Portfolio

Assessment Type

Portfolio

Task Description

Your assessment requires you to submit an Individual Portfolio consisting of the five (5) elements outlined below. Each element should be clearly identified within your portfolio as a separate section.

1. Placement Details
2. Placement Objectives
3. Weekly Journals
4. Employer Evaluation

Your portfolio is also required to be professionally presented and include an Introduction, Table of Contents and Summary.

1. Placement Details

Include the tables shown below to provide information about your placement organisation and supervisor details. In addition to this information, you should provide a description of your role, and a diagram indicating how your role fits into the organisation structure.

Organisation Details

Organisation

Address

Telephone

Start Date

Completion Date

Supervisor Details

Name

Position

Email

Telephone

2. Placement Objectives

You are required to specify at least four (4) Placement Objectives and prepare a brief plan for achieving each objective. In the table below, complete the month timeline and shade the relevant cells to define your planned completion of each objective.

For each objective, describe what you are hoping to achieve, and provide a brief outline of the steps you plan to undertake in order to successfully complete the objective.

The requirement to set workplace objectives allows you to maximise your learning while on placement. While your supervisor will be proactive in assisting you to learn from your experience, you also need to take ownership of your learning and discuss with them what you are hoping to achieve on your placement. The placement objectives allow you and your supervisor to have a common understanding of each other's expectations for the work placement period. Some objectives will come directly from your supervisor's requirements regarding the work they need you to perform, but you should also have some objectives that relate to what you want to achieve from the placement: these latter objectives will come from your desire to learn. You should assess the potential knowledge and skills that can be obtained from the work placement and consider setting these as objectives.

Some of your considerations when formulating your objectives should include:

- Your current placement is an opportunity to work in a unique type of industry that you may not experience in future. What skills can you obtain here that you may not get a chance to obtain later in your career?
- What types of skills and knowledge are you passionate about exploring? You may well look back on the

- placement as an opportunity to obtain certain knowledge and skills, but you didn't pursue them.
- What skills are needed in this industry or role? What skills and knowledge does your supervisor have? Can you seek to obtain these skills as an objective while you are on placement.
- Discussing of objectives and plans with your supervisor will assist you in "managing upwards" and will ensure you are both working towards a common goal for your placement.

Objective Descriptions

To describe each objective, think about how the objective may be related to one or more of the following aspects: Specific to your role with an observable outcome and measurement. For example: "By 30 March I will be able to successfully apply project planning and estimation practices to develop customer proposals. This objective will be successfully completed if I can independently develop proposals for two customer opportunities."

- Broad in nature. For example: "By the end of my placement, I will have an understanding of the construction industry whereby I am able to enter into knowledgeable discussions with industry personnel". Using this as an objective also encourages you to discuss with your supervisor the possibility of your being exposed to various aspects of this industry.
- Transferable skills. These will be relevant to your role, will enable you to improve your knowledge and increase your value when you apply for other positions. Examples include: being able to use a specific design tool; managing an assigned project; applying safety systems and processes, etc.
- Professional skills. Finally, placement objectives may involve improvements your current professional skillset, such as written and verbal communications with customers, technical report writing, leadership in small teams, time management skills etc.

3. Weekly Journals

You are required to include twenty-four (24) weeks of weekly journals, using the supplied template.

The weekly journal is a record of what work you have undertaken and is a vehicle for reflective thought. It provides you with a reason to discuss your week with your supervisor and can be used as the tool to help you manage your attainment of your placement objectives. There are three sections in the journal:

3.1 Activities and Experiences

The first section develops the routine of regularly recording what you have done for the week. As an engineer, you will be expected to have this discipline. This section should be a fairly direct summary of activities for the week. In a reflective concept of "what, so what, what now", this is the "what" element. You are required to map your activities against relevant elements of the Engineers Australia Stage 2 Competency Standards.

3.2 Reflections

The second section develops the practice of reflecting on your work to help you to become a reflective engineer who reviews their work and looks for improvement. This is the "so what" and "what now" element of reflection. Examples might include:

- how being involved in the activity might influence the your career goals
- how things could be done better - opportunities for improvement or savings
- any successes you have had, and satisfaction with your efforts.

3.3 Learning Experience Rating

The third section requires you to rate your learning experience for the week so you can discuss this with your supervisor.

Note that the supervisor's signature is required. The signature is not just for verification of your journal. The requirement of a signature provides you with an opportunity to discuss your week with your supervisor. It gives you the opportunity to manage your placement, where you can take the opportunity to discuss your progress towards your placement objectives. Ensure your journals signed on a regular basis and take this opportunity to communicate with your supervisor.

4. Employer Evaluation

An evaluation form is to be completed by your supervisor in order to assess your overall performance over the course of your work placement. The Employer Evaluation is typically undertaken by your supervisor in consultation you, and is required to be signed off.

You should ensure that you schedule a time with your supervisor prior to completion of your work placement in order to complete the evaluation. The supervisor's evaluation will be valuable for you to self-evaluate and reflect on your industry work experience in the following section.

5. Self-Evaluation and Reflection

You are required to provide a self-evaluation and reflection on your work placement experience. Your self-evaluation should consider the following aspects of your work experience:

Placement Objectives

- Were your initial work placement objectives relevant and achievable? Were you able to put in place a feasible plan to achieve those objectives, and did anything change during your work placement that required a revision of your objectives or your plan.

Skills and Knowledge:

- Reviewing your weekly journals and progress report, what new aspects of engineering were you exposed to, and did you learn new skills and knowledge. Note this may encompass not only technical skills and knowledge, but professional and social aspects of your work experience.

Challenges

- Outline two instances during your placement where you felt that you were challenged by the work assigned to you, or perhaps a situation that was unfamiliar to you, or put you out of your comfort zone. How did you respond, and what did you learn – would you do something differently the next time around to improve your performance.

Growth

- Summarise your reflection by assessing how the experience has impacted your technical, professional and social development. Did your employer's evaluation provide you with feedback that caused a positive or negative reaction? Did the work placement provide you with feedback on how you may like to pursue your specialization or your career? How did you feel your experience allowed you to develop as a student engineer, in terms of progress toward Engineers Australia Stage 1 Competencies.

Assessment Due Date

Exam Week Friday (21 June 2019) 10:00 pm AEST

Your work placement may continue beyond the end of Term 1. Your final portfolio assessment item should be submitted as soon as practicable following completion of your work placement.

Return Date to Students

Exam Week Friday (21 June 2019)

Weighting

100%

Minimum mark or grade

50%

Assessment Criteria

Portfolio is professionally presented with an Introduction, Table of Contents and Summary. The required five sections are included in the portfolio.

Twenty-four (24) weekly journals are included. Each weekly journal contains:

- A professional recording of tasks and activities completed for the week.
- Reflection on the work activities, including challenges, improvements and influences.
- Completed learning experience rating
- Supervisor sign-off.

Employer evaluation form is completed and signed off.

Self-Evaluation and Reflection section is complete and includes reference to:

- Assessment on achievement of Placement Objectives
- Skills and Knowledge assessment, addressing technical, professional and social aspects
- Two (2) work placement challenges are documented, described and self-assessed.
- Summary of personal growth encompassing technical, professional and social development.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Learning Outcomes Assessed

- Apply skills and knowledge developed in the academic course to engineering practice in an engineering organisation.

- Develop engineering practice skills and knowledge to complement the skills and knowledge developed in the course.
- Record and reflect on work activities and map them to Engineers Australia Stage 2 Competency Standards.
- Develop a strategic approach to personal growth in the workplace.
- Document the structure, products and services of an engineering organisation.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?

**Be Honest**

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own

**Seek Help**

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)

**Produce Original Work**

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem