



ENAE12003 Control Technology

Term 1 - 2017

Profile information current as at 20/04/2024 07:53 pm

All details in this unit profile for ENAE12003 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 will introduce you to control systems. You will describe control systems using appropriate terminology and concepts and use mathematical tools to model and analyse control systems, and develop algorithms for discrete process control. You will interpret control system responses to standard inputs in order to develop system evaluation criteria, as well as interpreting continuous-time closed-loop system behaviour using time domain and frequency response methods. You will design compensators for closed loop systems to meet given specifications and describe different approaches to discrete control using common system components and tools and present practical implementations of the controllers using passive and active circuits and discrete processes. You will document modelling and analysis of control systems in a professional manner, and work productively and professionally, both as an individual and as a member of a team. A compulsory residential school is provided to promote development of unit learning outcomes.

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

Pre-requisite: ENAE12013 Electrical Components and Circuit Analysis

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 - 2017

- Distance

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).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

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 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 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. **Written Assessment**

Weighting: 25%

2. **Written Assessment**

Weighting: 30%

3. **Written Assessment**

Weighting: 25%

4. **Practical and Written Assessment**

Weighting: 20%

5. **Written Assessment**

Weighting: Pass/Fail

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

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 Course survey

Feedback

Students have commended the video tutorials

Recommendation

Students have commended the video tutorials - This will be improved and continued

Action

Video tutorials were continued. In addition, an evening online tutorial through ZOOM was introduced.

Feedback from Course survey

Feedback

Students have shown the need for more learning material and support in mathematical concepts

Recommendation

Students have shown the need for more learning material and support in mathematical concepts - These support will be provided in the next offering.

Action

New material was provided. Online ZOOM tutorial provided a lot of support for the students.

Feedback from Course survey

Feedback

Students have commended the use of Matlab and practical aspects of control technology

Recommendation

Students have commended the use of Matlab and practical aspects of control technology - This will be further consolidated and continued

Action

This good practice was continued and the students appreciate it this time also.

Feedback from Course survey

Feedback

Students have shown dis-satisfaction on assessment feedback return

Recommendation

Students have shown dis-satisfaction on assessment feedback return - This happened due to some unusual special circumstances the lecturer had to undergo towards the end of the term. This shortcoming will be rectified in the next offering.

Action

Student feedback was provided on time.

Graduate Attributes	Learning Outcomes									
	1	2	3	4	5	6	7	8	9	10
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

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 25%	•	•	•	•		•				
2 - Written Assessment - 30%	•	•	•	•		•				
3 - Written Assessment - 25%	•	•	•	•		•				
4 - Practical and Written Assessment - 20%	•	•	•	•	•	•	•	•		
5 - Written Assessment - 0%	•	•	•	•	•	•		•		

Textbooks and Resources

Textbooks

ENAE12003

Prescribed

Control Systems Engineering

Edition: 7th edn (2015)

Authors: Norman S. Nise

John Wiley & Sons

Hoboken, NJ, USA

ISBN: 978-1-118-17051-9

Binding: Hardcover

Additional Textbook Information

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Access to a document scanner
- Matlab/SIMULINK Software through Anydesk

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Sanath Alahakoon Unit Coordinator

s.alahakoon@cqu.edu.au

Schedule

Week 1 - 06 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Overview of control systems	Chapter 1: Introduction Week 1 Study Guide	

Week 2 - 13 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Representation of control systems	Chapter 2: Modeling in the Frequency Domain, Chapter 5: Reduction of Multiple Subsystems Week 2, 3 Study Guide	

Week 3 - 20 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Representation of control systems
 Chapter 2: Modeling in the Frequency Domain, Chapter 5: Reduction of Multiple Subsystems
 Week 2, 3 Study Guide

Week 4 - 27 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Poles, zeros and the system response	Chapter 4: Time Response, Chapter 7: Steady-State Errors Week 4, 5 Study Guide	

Week 5 - 03 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Poles, zeros and the system response	Chapter 4: Time Response, Chapter 7: Steady-State Errors Week 4, 5 Study Guide	Assignment 1 Due: Week 5 Friday (7 Apr 2017) 11:45 pm AEST

Vacation Week - 10 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 17 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Root Locus Based Controller Design	Chapter 8: Root Locus Techniques, Chapter 9: Design Via Root Locus Week 6, 7 Study Guide	Submission of Part 1 of the Workbook - Due on Monday 17th April 2017 before 23.45.

Week 7 - 24 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Root Locus Based Controller Design	Chapter 8: Root Locus Techniques, Chapter 9: Design Via Root Locus Week 6, 7 Study Guide	Residential school of the course will be held in Rockhampton B28/2.10 from 26 to 28 April 2017. Also refer to course web site for more details.

Week 8 - 01 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Frequency Response Based Controller Design	Chapter 10: Frequency Response Techniques, Chapter 11: Design Via Frequency Response Week 8, 9 Study Guide	Assignment 2 Due: Week 8 Friday (5 May 2017) 11:45 pm AEST

Week 9 - 08 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Frequency Response Based Controller Design	Chapter 10: Frequency Response Techniques, Chapter 11: Design Via Frequency Response Week 8, 9 Study Guide	

Week 10 - 15 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
PID Control	Week 10 Study Guide	Residential School and Lab Report Due: Week 10 Friday (19 May 2017) 11:45 pm AEST

Week 11 - 22 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Overview of Digital Control	Chapter 13: Digital Control Systems Week 11 Study Guide	

Week 12 - 29 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Programmable Logic Controllers

Week 12 Study Guide

Assignment 3 Due: Week 12 Friday
(2 June 2017) 11:45 pm AEST

Review/Exam Week - 05 Jun 2017

Module/Topic

Chapter

Events and Submissions/Topic

Final Submission Week

Workbook Due: Review/Exam Week
Friday (9 June 2017) 11:45 pm AEST

Exam Week - 12 Jun 2017

Module/Topic

Chapter

Events and Submissions/Topic

Assessment Tasks

1 Assignment 1

Assessment Type

Written Assessment

Task Description

In this **compulsory** assessment item, students are expected to successfully complete the exercises specified in the course website in Moodle covering the learning outcomes 1, 2, and 9. This assignment contains 6-8 problems which will require the theoretical knowledge gained through your learning during the first three weeks. Marking scheme for each question will be published with the assignment and the marks for this assignment will contribute to 25% of the overall marks of this course. Assignment questions will be published in course Moodle site within the first two weeks of the term. Please also refer to assessment criteria for more details.

Assessment Due Date

Week 5 Friday (7 Apr 2017) 11:45 pm AEST

Please upload to the link provided in course website in Moodle as a WORD or PDF file

Return Date to Students

Week 7 Friday (28 Apr 2017)

Feedback given through course website in Moodle

Weighting

25%

Minimum mark or grade

Students must score more than 40% of the allocated marks for this assignment

Assessment Criteria

Each question in this assignment will be assessed separately for the criterion *accuracy and correct results* and given a mark from zero to 10 marks. 20% of the total marks for this assignment are based on accuracy and correct results, including:

- Correct application of maths and arithmetic
- Answers clearly identified
- Correct results

In addition, the assignment as a whole will be assessed against the following criteria:

Evidence of correct procedures (40% of the total marks for the assignment)

- All necessary steps in analysis are present on correct order
- Clear presentation of mathematical and arithmetical working linking given details of the problem to the results obtained.
- Evidence of checking results (mathematical, graphical, logic-common sense)

Evidence of understanding of the topic (30% of the total marks for the assignment)

- Explanation of choices made in the analysis (why is procedure required, why this particular procedure)
- Interpretation of results, eg limitations, direction of vectors

Professional presentation (10% of the total marks for the assignment)

- The work (job) is clearly identified (problem, date, analyst)
- Clear statement of each problem and its details and requirements

- Logical layout of analysis
- Appropriate use of diagrams, clear diagrams
- Correct use of terminology, conventions
- Clear English in the explanation of procedure and interpretation of results.
- Referencing of authoritative sources of equations and data

Referencing Style

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

Submission

Online

Submission Instructions

To be submitted online through course website in Moodle

Learning Outcomes Assessed

- Explain terminology, concepts and principles used to describe and analyse control systems.
- Model and analyse systems comprising several subsystems, using block diagrams and mathematical description.
- Document the process of modelling and analysis of control systems and present the information in a professional manner.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

2 Assignment 2

Assessment Type

Written Assessment

Task Description

In this **compulsory** assessment item, students are expected to successfully complete the exercises specified in the course website in Moodle covering the learning outcomes 1, 4, 5, 7, 8 and 9. This assignment contains 6-8 problems which will require the theoretical knowledge gained through your learning during the first seven weeks. Marking scheme for each question will be published with the assignment and the marks for this assignment will contribute to 30% of the overall marks of this course. Assignment questions will be published in course Moodle site within the first two weeks of the term. Please also refer to assessment criteria for more details.

Assessment Due Date

Week 8 Friday (5 May 2017) 11:45 pm AEST

Submit to the link in Week 8 of the course website in Moodle as a WORD or PDF file.

Return Date to Students

Week 10 Friday (19 May 2017)

Feedback given through course website in Moodle

Weighting

30%

Minimum mark or grade

Students must score more than 40% of the allocated marks for this assignment

Assessment Criteria

Each question in this assignment will be assessed separately for the criterion *accuracy and correct results* and given a mark from zero to 10 marks. 20% of the total marks for this assignment are based on accuracy and correct results, including:

- Correct application of maths and arithmetic
- Answers clearly identified
- Correct results

In addition, the assignment as a whole will be assessed against the following criteria:

Evidence of correct procedures (40% of the total marks for the assignment)

- All necessary steps in analysis are present on correct order

- Clear presentation of mathematical and arithmetical working linking given details of the problem to the results obtained.
- Evidence of checking results (mathematical, graphical, logic-common sense)

Evidence of understanding of the topic (30% of the total marks for the assignment)

- Explanation of choices made in the analysis (why is procedure required, why this particular procedure)
- Interpretation of results, eg limitations, direction of vectors

Professional presentation (10% of the total marks for the assignment)

- The work (job) is clearly identified (problem, date, analyst)
- Clear statement of each problem and its details and requirements
- Logical layout of analysis
- Appropriate use of diagrams, clear diagrams
- Correct use of terminology, conventions
- Clear English in the explanation of procedure and interpretation of results.
- Referencing of authoritative sources of equations and data

Referencing Style

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

Submission

Online

Submission Instructions

To be submitted online through course website in Moodle

Learning Outcomes Assessed

- Explain terminology, concepts and principles used to describe and analyse control systems.
- Interpret the behaviour pattern of first order and second order systems in response to standard inputs so as to specify criteria for evaluating a control system.
- Interpret system behaviour using time domain methods to describe a continuous-time closed-loop system.
- Document the process of modelling and analysis of control systems and present the information in a professional manner.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

3 Assignment 3

Assessment Type

Written Assessment

Task Description

In this **compulsory** assessment item, students are expected to successfully complete the exercises specified in course website in Moodle covering learning outcomes 1,6,7,8 and 9. This assignment contains 6-8 problems which will require the theoretical knowledge gained through your learning during the first eleven weeks. Marking scheme for each question will be published with the assignment and the marks for this assignment will contribute to 25% of the overall marks of this course. Assignment questions will be published in course Moodle site within the first two weeks of the term. Please also refer to assessment criteria for more details.

Assessment Due Date

Week 12 Friday (2 June 2017) 11:45 pm AEST

Submit to the link in Week 12 of the course website in Moodle as a WORD or PDF file.

Return Date to Students

Exam Week Friday (16 June 2017)

Feedback given through course website in Moodle

Weighting

25%

Minimum mark or grade

Students must score more than 40% of the allocated marks for this assignment

Assessment Criteria

Each question in this assignment will be assessed separately for the criterion *accuracy and correct results* and given a mark from zero to 10 marks. 20% of the total marks for this assignment are based on accuracy and correct results, including:

- Correct application of maths and arithmetic
- Answers clearly identified
- Correct results

In addition, the assignment as a whole will be assessed against the following criteria:

Evidence of correct procedures (40% of the total marks for the assignment)

- All necessary steps in analysis are present on correct order
- Clear presentation of mathematical and arithmetical working linking given details of the problem to the results obtained.
- Evidence of checking results (mathematical, graphical, logic-common sense)

Evidence of understanding of the topic (30% of the total marks for the assignment)

- Explanation of choices made in the analysis (why is procedure required, why this particular procedure)
- Interpretation of results, eg limitations, direction of vectors

Professional presentation (10% of the total marks for the assignment)

- The work (job) is clearly identified (problem, date, analyst)
- Clear statement of each problem and its details and requirements
- Logical layout of analysis
- Appropriate use of diagrams, clear diagrams
- Correct use of terminology, conventions
- Clear English in the explanation of procedure and interpretation of results.
- Referencing of authoritative sources of equations and data

Referencing Style

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

Submission

Online

Submission Instructions

To be submitted online through course website in Moodle

Learning Outcomes Assessed

- Explain terminology, concepts and principles used to describe and analyse control systems.
- Interpret system behaviour using frequency response methods to describe a continuous-time closed-loop system.
- Design compensators for closed loop systems to meet given specifications using standard techniques.
- Describe circuit structures which implement continuous controllers using passive and/or active elements and describe the discrete implementations.
- Document the process of modelling and analysis of control systems and present the information in a professional manner.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

4 Residential School and Lab Report

Assessment Type

Practical and Written Assessment

Task Description

Dates for the **compulsory** residential school will be notified to students through **residential school calendar** and the

course Website. Students will be formed into teams for all residential school activities and each team must submit professional technical laboratory reports compiled into one Zipped file covering each laboratory experiment they will carry out during the residential school. The details of the experiments will be notified to students through the course Website. Please also refer to assessment criteria for more details.

Assessment Due Date

Week 10 Friday (19 May 2017) 11:45 pm AEST

Submit to the link in Week 10 of the course website in Moodle as a WORD or PDF file.

Return Date to Students

Week 12 Friday (2 June 2017)

Feedback given through course website in Moodle

Weighting

20%

Minimum mark or grade

Students must score more than 40% of the allocated marks for this assignment

Assessment Criteria

Marking of the team reports will be done according to the following criteria.

The accuracy and relevance of information

Application of knowledge

Language and grammar used in answering questions

Proper referencing of sources of information

Inclusion of all relevant Equations, images, data and tables, and the quality of presentation and layout.

Referencing Style

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

Submission

Online

Submission Instructions

To be submitted online through course website in Moodle

Learning Outcomes Assessed

- Explain terminology, concepts and principles used to describe and analyse control systems.
- Describe and develop algorithms for discrete process control.
- Interpret the behaviour pattern of first order and second order systems in response to standard inputs so as to specify criteria for evaluating a control system.
- Interpret system behaviour using time domain methods to describe a continuous-time closed-loop system.
- Interpret system behaviour using frequency response methods to describe a continuous-time closed-loop system.
- Design compensators for closed loop systems to meet given specifications using standard techniques.
- Describe circuit structures which implement continuous controllers using passive and/or active elements and describe the discrete implementations.
- Document the process of modelling and analysis of control systems and present the information in a professional manner.
- Provide evidence of personal reflection on, and critical assessment of, team contributions and professional development.

Graduate Attributes

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

5 Workbook

Assessment Type

Written Assessment

Task Description

The **compulsory Workbook** provides a record or detailed diary of each individual student's study and learning activities throughout the course and should include all individual work carried out. Preparation of a Workbook should be understood as good study technique. It also provides evidence that students have adequately studied the whole course and achieved course learning outcomes.

The Workbook can be handwritten or kept as a text file. A handwritten Workbook may be most appropriate if the course involves maths and diagrams. Each entry should be dated, pages should be numbered and show your name or initials. It should be prepared week by week, not at the end of term. Show rough attempts at problems including failures and fixes, brainstorming, draft notes and developing ideas.

In the Workbook students should record:

- study notes taken while studying textbooks and course resources
- study notes taken during lectures and/or workshops
- personal study summaries of key concepts
- notes, sketches/ drawings or mind-maps
- planning and preparation for team/project tasks
- planning and preparation for online course discussions
- workbook practice tasks you are asked to complete in the Course Website
- initial attempts at set tutorial tasks
- initial attempts at assignment tasks
- preparation for class tests or exams.

Workbook submission is separated into two parts as detailed below:

1. Submission of Part 1 of the Workbook - Due on Monday 20th April 2015 before 23.45.
2. Submission of Part 2 of the Workbook - Due on Friday 12th June 2015 before 23.45.

More details on what is expected in these submissions will be made available through course Website.

Assessment Due Date

Review/Exam Week Friday (9 June 2017) 11:45 pm AEST

Submit Part 2 of the Workbook to the link in Week 12 of the course website in Moodle as a WORD or PDF file.

Return Date to Students

Exam Week Friday (16 June 2017)

Feedback given through course website in Moodle

Weighting

Pass/Fail

Minimum mark or grade

Students must achieve a pass for this assignment, which will be assessed by the unit coordinator based on the quality of the workbook submission.

Assessment Criteria

Workbook questions will be set for each Topic and will be available on the Course Website. These questions are denoted as **Compulsory questions** or **Extension questions**. All compulsory questions will have an answer (but not a solution) provided so that students can check their results. If students have difficulty with Workbook questions, they should seek assistance from colleagues in their online study groups in the first instance. ALL Compulsory questions must be successfully completed in the workbook and responses must show sufficient working and explanation to allow step-by-step checking by tutors.

Referencing Style

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

Submission

Online

Submission Instructions

To be submitted online through course website in Moodle

Learning Outcomes Assessed

- Explain terminology, concepts and principles used to describe and analyse control systems.
- Model and analyse systems comprising several subsystems, using block diagrams and mathematical description.
- Describe and develop algorithms for discrete process control.
- Interpret the behaviour pattern of first order and second order systems in response to standard inputs so as to specify criteria for evaluating a control system.
- Interpret system behaviour using time domain methods to describe a continuous-time closed-loop system.
- Interpret system behaviour using frequency response methods to describe a continuous-time closed-loop system.

- Design compensators for closed loop systems to meet given specifications using standard techniques.
- Describe circuit structures which implement continuous controllers using passive and/or active elements and describe the discrete implementations.
- Document the process of modelling and analysis of control systems and present the information in a professional manner.
- Provide evidence of personal reflection on, and critical assessment of, team contributions and professional development.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology 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