

In Progress

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



CHEM40079 *Introductory Chemistry*

Term 3 - 2022

Profile information current as at 02/10/2022 12:52 pm

All details in this unit profile for CHEM40079 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

Introductory Chemistry will provide you with a foundation for university study in the chemical sciences. This unit will provide fundamental principles of chemistry by introducing topics such as matter, molecules, bonding, chemical reactions, stoichiometry, acids and bases, and organic chemistry. In addition to gaining an introductory understanding of chemical concepts, you will learn to perform chemical calculations.

Details

Career Level: *Non-award*

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 - 2022

- 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 6-credit Non-award 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. **Online Quiz(zes)**

Weighting: 20%

2. **Written Assessment**

Weighting: 30%

3. **Written Assessment**

Weighting: 50%

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 Students

Feedback

The live lecture/tutorial was well received by students and they liked the opportunity to ask questions.

Recommendation

Continue to offer online lectures/tutorials.

Feedback from Students

Feedback

Students appreciated the personalised Zoom session which provided them with additional support as needed.

Recommendation

Continue to offer one on one Zoom sessions.

Unit Learning Outcomes

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

1. Explain fundamental chemical concepts including matter, atomic structure, molecules, bonding, physical and chemical properties, stoichiometry, acids and bases, chemical reactions and organic compounds
2. Interpret the periodic table of the elements
3. Apply chemical concepts and calculations of quantities to solve chemistry problems.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Online Quiz(zes) - 20%	•	•	
2 - Written Assessment - 30%	•	•	
3 - Written Assessment - 50%	•		•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
1 - Self Management	—	—	—

Graduate Attributes	Learning Outcomes		
	1	2	3
2 - Communication	—		—
3 - Information Literacy	—	—	—
4 - Information Technology Competence	—		
5 - Problem Solving			—
6 - Critical Thinking			
7 - Cross-Cultural Competence			
8 - Ethical Practice			
9 - 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
1 - Online Quiz(zes) - 20%	—			—					
2 - Written Assessment - 30%	—	—	—						
3 - Written Assessment - 50%	—	—	—		—				

Textbooks and Resources

Textbooks

CHEM40079

Prescribed

Introductory Chemistry

Edition: Third (2022)

Authors: School of Access Education

CQUniversity Publishing Unit

Rockhampton , Queensland , Australia

Binding: Spiral

Additional Textbook Information

A current printable version of the study guide can be found on the CHEM40079 Moodle site. The study guide is not available for purchase from the CQUniversity Bookshop, so it is strongly recommended that you print your own copy. Your Access Coordinator will provide advice on printing options.

Please note that the study guide also contains pictures and sections of text in colour which will not be shown in black and white prints. It is strongly advised that a digital version be saved to view these sections in colour.

IT Resources

You will need access to the following IT resources:

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

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.