

In Progress

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



COIT29223 *Blockchain Technologies for Sustainable Business Applications*

Term 2 - 2027

Profile information current as at 07/09/2026 09:36 pm

All details in this unit profile for COIT29223 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

Blockchain is a decentralised digital ledger with a growing list of records called blocks, which contain timestamp data, cryptographic information and transaction details. The use of blockchain technologies in cryptocurrency has grown rapidly in recent years. Besides cryptocurrencies in the financial industry, the potential for blockchain technologies in other industries is huge. In terms of achieving sustainability, blockchain has the ability to drive business process efficiency and transparency across industries, which in turn ensures better usage of resources and creates value. This unit will introduce you to the fundamentals and impact of blockchain technologies on businesses, relevant architectures, blockchain applications, and security implications. This unit aims to provide you with a solid theoretical foundation while also providing you with an opportunity to develop your own blockchain application for solving a real-world sustainability problem in relation to one of social, economic, environmental or technological issues.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisite: COIT20246

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 - 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 17 May 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 Unit coordinator's reflection and Teaching Team feedback.

Feedback

Students with no programming background struggled with programming content.

Recommendation

Introduce students to basic-level Solidity programming, then guide them in developing blockchain applications.

Feedback from In-class student feedback

Feedback

Students were unable to install and configure blockchain tools on the lab PCs.

Recommendation

Identify and use online tools to avoid the need for installing and configuring blockchain tools on lab PCs.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 17 May 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 17 May 2027

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 21 June 2027

Academic Integrity Statement

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