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

COIT29226 *Artificial Intelligence Integrated Internet of Things*
Term 3 - 2027

Profile information current as at 12/11/2026 11:54 am

All details in this unit profile for COIT29226 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

In this unit, you will explore how Artificial Intelligence (AI) and the Internet of Things (IoT) come together to create smart, connected systems. You will learn how devices, sensors, and data are used to build intelligent applications that analyse information, detect patterns, and support real-time decision-making. You will gain hands-on experience in designing and implementing AI-enabled IoT solutions, working with sensor data, communication technologies, and cloud or edge platforms. Through practical activities and projects, you will develop applications that address real-world challenges in areas such as smart cities, healthcare, agriculture, and environmental monitoring. You will also consider key factors such as system performance, reliability, and energy use. The unit addresses privacy and ethical issues in intelligent connected systems, supporting responsible technology development. By the end of the unit, you will be able to analyse IoT systems and develop intelligent applications for modern data-driven environments.

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

COIT20245-Introduction to Programming
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 - 2027

- Brisbane
- Melbourne
- Online
- Sydney

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 13 September 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 Teaching Teams Reflection

Feedback
Given the rapid advancements in AI within the IoT space, the unit would benefit from incorporating emerging developments in Artificial Intelligence–Integrated Internet of Things (AI-IoT) to ensure the content remains current and industry-relevant.

Recommendation
The content needs to be updated to incorporate emerging developments in IoT, including AI-driven processes and automation.

Feedback from Students feedback and Unit Coordinator's reflection

Feedback
It is important to align the unit requirements with the unit's assessment and learning outcomes.

Recommendation
The assessment structure and guidelines need to be evaluated against the unit's learning outcomes to ensure consistency across the board.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 13 September 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 13 September 2027

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 13 September 2027

Academic Integrity Statement

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