

In Progress

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



COIT29225 *Advanced Artificial Intelligence*

Term 3 - 2027

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

All details in this unit profile for COIT29225 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 study advanced artificial intelligence technologies that drive modern intelligent systems. You will examine the theoretical foundations alongside the practical development of research-informed AI models, with a focus on how such models learn from large and complex datasets. Through practical design and implementation activities, you will integrate disciplinary knowledge with contemporary research to create effective AI solutions. You will critically evaluate the ethical, social, and professional issues surrounding AI deployment. You will also develop the capability to communicate complex AI concepts, design rationales, implementation choices, and evaluation findings to both expert and general audiences using professional standards.

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: COIT20277 Introduction to Artificial Intelligence. Co-requisite: STAT20029 Statistics for Managerial Decisions.

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

- 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 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 Student Feedback

Feedback

Students would like the tutorial to include a quick debrief using real-world scenarios or analogies to make it easier to digest and understand.

Recommendation

In the next offering, the unit will add examples to the weekly tutorial questions that reflect real-world scenarios, helping students better understand the unit's key concepts.

Feedback from Self-Reflection

Feedback

It is increasingly necessary to include large language models (LLMs) as a dedicated weekly lecture topic in the course, as they have become a foundational technology across modern software development, data science, and artificial intelligence applications.

Recommendation

The lecture slides introducing LLMs should be revised to better explain how contemporary AI systems generate, reason with, and adapt language-based knowledge in real-world contexts. The lecture should emphasise intuitive explanations, visual system diagrams, and concrete use cases, complemented by simplified examples and demonstrations.

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 18 October 2027

Academic Integrity Statement

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