

In Progress

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



# COIT20250 *Data Analytics and Visualisation*

## Term 1 - 2027

Profile information current as at 14/09/2026 07:00 pm

All details in this unit profile for COIT20250 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

ICT professionals use a range of tools and technologies to process, transform, model, and analyse data to support organisational decision-making and solve business problems. In this unit, you will acquire practical knowledge of key data analytics processes, including data exploration, transformation, visualisation, dashboard development, predictive modelling, and AI-driven analytics. You will also gain hands-on experience with tools such as Power BI and low-code machine learning to prepare, analyse, and visualise data, and to generate actionable business insights through real-world case studies. The unit also examines the ethical, legal, privacy, and cybersecurity considerations associated with the use of data-driven technologies in organisations.

#### 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

Prerequisite: COIT20248 Information Systems Analysis and Design.

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 - 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 11 January 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 team feedback

Feedback

Tutorials require additional refinement to expose students to further practical Power BI applied learning.

Recommendation

Update tutorials with additional Power BI real-world business use cases and resources.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.  
This information will be available on Monday 11 January 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 11 January 2027

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.  
This information will be available on Monday 15 February 2027

## Academic Integrity Statement

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