

In Progress

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



STAT11048 *Essential Statistics*

Term 1 - 2027

Profile information current as at 14/09/2026 01:34 pm

All details in this unit profile for STAT11048 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 develop foundational skills in statistical reasoning and data analysis. You will learn how to describe and explore data using summary statistics such as the mean, variance, and standard deviation, and how probability theory can be used to model uncertainty and estimate the likelihood of events. You will examine common probability distributions and learn how to use their properties to calculate probabilities and interpret statistical situations. The unit introduces key ideas from sampling theory and statistical inference, enabling you to draw conclusions about populations based on sample data. You will apply techniques such as confidence intervals, hypothesis testing, and analysis of variance (ANOVA) to investigate research questions and evaluate statistical evidence. Throughout the unit, you will use statistical software and computational tools to perform calculations, analyse datasets, and visualise results. By the end of the unit, you will be able to apply introductory statistical methods to analyse real data, interpret statistical output, and communicate conclusions clearly in practical contexts.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 7

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 1 - 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 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 Unit Evaluation

Feedback

Students believed the unit was well-structured overall and particularly liked the multiple ways to engage with the content.

Recommendation

Maintain the current teaching and learning approach and continue offering multiple engagement options.

Feedback from Unit Coordinator

Feedback

Students progress at different paces, and some may fall behind without regular check-ins.

Recommendation

Communicate regularly with students about the pace of their studies during lectures and tutorials, and follow up with students who are falling behind with studies.

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.