

In Progress

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



SCIE11023 *Scientific Research Fundamentals*

Term 1 - 2027

Profile information current as at 07/09/2026 09:28 pm

All details in this unit profile for SCIE11023 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, synthesise and apply the fundamentals of the scientific method. You will develop skills in scientific communication beyond reading and writing - through a series of seminars, lectures and self-guided tasks students will learn appropriate manipulation of mathematical and statistical data as well as data presentation. You will enhance your knowledge and understanding of a range of fundamental scientific concepts and consider issues relating to ethics, experimentation and professional practice. Finally, through conducting your own research activity, you will learn how to develop a research framework and apply critical thinking to solve complex problems.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

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
- Rockhampton

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 Email

Feedback

A concern was raised regarding the marking arrangement where assessments are divided among markers (consistently through term).

Recommendation

Ensure marking arrangements are fully explained and justified at the beginning of term, and remind students of their right to raise concerns as the term progresses.

Feedback from Moodle Email

Feedback

The task of choosing a research project was challenging for some students (a consistent feedback point).

Recommendation

Emphasise that choosing the research project is a part of the process for developing critical thinking skills in the unit, and ensure adequate support is provided by the teaching staff throughout the unit.

Feedback from Moodle Email

Feedback

After completing the assessments, several students expressed they felt greater confidence in their ability to conduct and interpret scientific research.

Recommendation

Maintain the assessment structure to facilitate this learning and confidence-building aspect of the unit.

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.