

In Progress

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



BMSC12010 Clinical Biochemistry

Term 3 - 2026

Profile information current as at 14/12/2025 06:50 am

All details in this unit profile for BMSC12010 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

This unit provides you with an understanding of the role of the clinical biochemistry laboratory in the diagnosis and management of human diseases and disorders. The unit focuses on quality control in the pathology laboratory setting, the biochemical rationale for the diagnosis, prognosis, and monitoring of blood electrolyte balance, blood gases, blood acid-base balance, hormones, diabetes mellitus, jaundice, cardiac and liver disease, gout, inherited metabolic disorders, renal dysfunction and malignant diseases. You will be instructed on correct procedures for preparing blood and urine samples for analysis, and for interpreting results in a clinical biochemistry laboratory. You will be required to attend a residential school at the biochemistry laboratory on campus. The exception to this is for nutrition students enrolled in CM60, CM61, or CM62. For these students, you will meet the learning outcomes required for your degree through an alternative assessment and are not required to attend the on-campus residential school. However, If you wish to gain laboratory skills, you may enrol for the on-campus residential school activity.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisites BMSC11004 OR BMSC11005

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 - 2026

- Mixed Mode

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 14 September 2026

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
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and 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 Direct student communication, SUTE

Feedback

Student feedback reflected an increased face to face delivery/tutorial component.

Recommendation

Consider additional face to face components for the tutorials

Feedback from SUTE; Unit Coordinator

Feedback

The unit content includes a core foundation that can reasonably be maintained, however some modules are now outdated due to the changing body of knowledge underpinning the diagnosis and treatment of various pathophysiologicals.

Recommendation

Continue to update course content to maintain currency

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 14 September 2026

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 14 September 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 19 October 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.