

In Progress

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



MEDI12002 *Imaging Science 2*

Term 1 - 2027

Profile information current as at 07/09/2026 09:29 pm

All details in this unit profile for MEDI12002 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 covers the essential steps in creating useful digital radiographs. You will build on your understanding of how the x-ray beam's interaction with various structures influences image appearances and apply image geometry concepts to manage the depiction of structures on radiographs. You will explore the key attributes and factors affecting radiographic image quality, including controlling scatter radiation and its impact on radiographs. You will also learn about digital imaging technologies and clinical information systems, focusing on the production, display, manipulation, storage, distribution and retention of digital radiographs. You will apply concepts of signal processing and image post-processing to improve radiographic appearances. You will learn the processes of information flow and management within clinical information systems as well as the integration of artificial intelligence (AI) to support imaging workflows.

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: MEDI11001 Fundamentals of Imaging Professions MEDI11002 Physics for Health Sciences Either MEDI11006 Imaging Science 1 or MEDI12001 Radiation Science

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

- Cairns
- Mackay

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 coordinator

Feedback

Transitioning from an online test to in-class supervised tests appears to have better supported student preparation, performance and fairness.

Recommendation

Explore the option to continue with in-class supervised tests in future iterations to reinforce deeper learning over rote memorisation and provide a more structured, equitable environment for demonstrating knowledge and skills.

Feedback from Unit coordinator Informal student feedback SUTE

Feedback

Students valued the use of small groups during tutorials and lab activities as it promoted interaction, peer learning and better engagement with the unit content.

Recommendation

Invest in continuing with incorporating small group activities in tutorials and lab sessions in future deliveries to strengthen peer interactions, engagement and collaborative learning.

Feedback from SUTE Unit coordinator

Feedback

Students may benefit from more varied and updated learning resources to complement existing materials and support diverse learning preferences.

Recommendation

Conduct a review of existing learning resources and update selected lecture recordings to enrich learning and improve student engagement.

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.