

In Progress

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



COIT20246 *Cyber Security and Networking*

Term 1 - 2027

Profile information current as at 07/09/2026 09:35 pm

All details in this unit profile for COIT20246 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 learn how Information and Communications Technology (ICT) infrastructure supports the operation of modern organisations. You will investigate the structure of the Internet, design wired and wireless networks, and deploy applications using virtualisation and cloud computing. You will discover mechanisms for securing ICT infrastructure and applications by studying the motivation of attackers and the common vulnerabilities they exploit. You will also learn frameworks and tools organisations use to manage cloud infrastructure, reduce cyber security risks, and deliver IT services to customers. As you explore cyber security and Internet technologies via hands-on laboratory tasks, you will reflect on the impact of those technologies on society, and your responsibilities as a future ICT professional. This unit gives you the broad knowledge of networking and cyber security that all ICT professionals require and is a starting point for a career as a cyber security analyst, cloud engineer, or network operations specialist.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

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

- Brisbane
- Melbourne
- Online
- Rockhampton
- 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 Feedback from students and tutors, and Unit Coordinator reflections

Feedback

The end-of-term in-class quiz has some questions that can be answered using gen AI, and therefore may not accurately measure real student performance.

Recommendation

Replace the in-class quiz with a formal exam that allows students to demonstrate their understanding of fundamental concepts in networking and cyber security.

Feedback from Student evaluations and Unit Coordinator reflections

Feedback

The project is time-consuming to complete for some groups, especially with the effort needed to manage contributions from each group member. The project also lacks hands-on practice, resulting in low engagement in some parts.

Recommendation

Revise the project to focus on practical tasks of configuring a network and basic security services, reducing the amount of design and research. The practical tasks should also be introduced in the tutorials, which should reduce the total assessment workload and allow for easier distribution of tasks among group members.

Feedback from Student evaluations

Feedback

The feedback on the journal and project is sometimes unclear or too generic.

Recommendation

Update the marking rubrics and processes so that more detailed feedback is provided, and so it is easier to connect the feedback to specific parts of the submission (e.g., refer to specific sections).

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.