

In Progress

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



COIT20246 Networking and Cyber Security

Term 1 - 2025

Profile information current as at 05/09/2024 01:23 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 - 2025

- 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 13 January 2025

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 Student evaluations and informal student feedback

Feedback

Students felt overwhelmed by the tutorial tasks plus regular deadlines for assessment activities.

Recommendation

Reduce the number of online quizzes, as well as the weight of draft assessments (e.g. draft journal), and provide additional guidance on amount of effort required for each task (e.g. identify what is to be included in journal for each tutorial task).

Feedback from Informal student feedback

Feedback

Some students from a non-technical background found the assessments difficult.

Recommendation

Review the assessment instructions for clarity (e.g. avoid too many technical terms, add cross-references to unit material), and provide additional videos that step through the assessments as well as demonstrate key concepts needed for the assessments.

Feedback from Teaching team feedback

Feedback

The group project was challenging, both in forming groups and ensuring team members made sufficient contributions.

Recommendation

Allocate time in tutorial classes for group formation and work on the group project, and investigate methods to encourage and monitor contributions from all team members.

Feedback from Teaching team feedback

Feedback

Project marking criteria did not provide students with enough guidance of expectations.

Recommendation

Revise the project marking criteria to include more examples of expectations at a wider range of levels (e.g. Excellent, Good, Poor).

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 13 January 2025

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 13 January 2025

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 February 2025

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.