

In Progress

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



COIT20261 Network Services and Automation

Term 3 - 2026

Profile information current as at 20/05/2026 11:36 pm

All details in this unit profile for COIT20261 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 how modern IP networks support secure and scalable communication for small to medium enterprises. You'll learn to build and manage network infrastructure using technologies such as VLANs, NAT, DHCP, and IP routing, and deploy Internet-based services including secure web servers, DNS, VPNs, and cloud-hosted applications. Through hands-on labs and projects, you'll use tools like GNS3, Git, and Ansible to automate network configuration and streamline operations. Working in teams, you'll troubleshoot network issues and develop collaborative solutions, preparing you for real-world roles in network administration and support.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite: COIT20246 Cyber Security and Networking.

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

- Online

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 Students' feedback.

Feedback

Previous actions have introduced more practical networking tasks. Continue strengthening the practical component by expanding the scope of lab-based exercises and integrating real-world networking scenarios to better balance theory and application.

Recommendation

The balance of practical learning should be enhanced by incorporating more hands-on networking tasks alongside the theoretical content.

Feedback from Unit Coordinator's reflection.

Feedback

Balancing authentic skill assessment with academic integrity in online tests is increasingly complex in the context of generative AI.

Recommendation

Review the current in-class test structure and consider introducing a small practical project to better assess applied skills while maintaining assessment integrity.

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.