

In Progress

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



COIT20261 Network Routing and Switching

Term 1 - 2025

Profile information current as at 21/11/2024 11:59 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

This unit provides you with fundamental skills and knowledge in the design and operation of computer networks. It deals in-depth with the techniques described in current Internet protocols to forward data packets from source to destination through different types of networks. You will focus on the Transport and Internet layer functions with emphasis on IPv4 addressing as well as switching and routing technologies. An introduction to IPv6 and transition issues is included. The unit covers these functions in both Local Area Networks (LANs) and Wide Area Networks (WANs). The function of the key protocols in wireless networks are also discussed, ensuring a well-rounded grounding to enable easier adaptation to imminent significant developments such as the global adoption of IPv6 and the growing dominance of wireless networking in business and everyday life. Delivery of this comprehensive content is through a weekly lecture and tutorial which includes theory and some hands-on lab activity where available.

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 Networking and Cyber Security Anti-requisite: COIT20229 Networking with TCI/IP.

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 feedback

Feedback

Consider incorporating more practical activities, e.g. cloud computing, into the assessments to enhance hands-on learning and reinforce students' understanding of the learning materials.

Recommendation

Integrate hands-on lab exercises using cloud computing tools such as Microsoft Azure into the unit. Assessing one or more of the lab activities should serve to reinforce student learning and enhance their practical experience.

Feedback from Student feedback, reflection

Feedback

Ensure feedback on assessment is clear, informative and practical to students.

Recommendation

Establish a minimum standard for delivering marker feedback that emphasises clarity, informativeness, and practicality to students. This should ensure a benchmark consistency across campuses and staff in providing feedback that meets student expectations.

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.