

## In Progress

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



# COIT11241 Cyber Security Technologies

## Term 2 - 2025

Profile information current as at 05/09/2024 02:08 pm

All details in this unit profile for COIT11241 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

Cyber security professionals need to create, analyse and test computer systems and networks to assure they will operate in the presence of attacks. In this unit, you will learn the types of attacks that may be encountered and the tools and techniques to prevent, detect and respond to those attacks. You will build your skills in virtualisation, cloud services and scripting to solve cyber security challenges. You will also learn special cyber security tools for detecting vulnerabilities, monitoring network traffic and responding to attacks.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Pre-Requisites: COIT11238 Networked Infrastructure Foundations AND COIT11222 Programming Fundamentals.

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 2 - 2025

- Brisbane
- Cairns
- Melbourne
- Online
- Rockhampton

### 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 19 May 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 Teaching Team Reflections

**Feedback**

The unit requirements are unclear.

**Recommendation**

More detailed steps will be included in the assessments and tutorial exercises will be created to help students understand the assessment requirements.

#### Feedback from Teaching Team Reflections

**Feedback**

The unit covers too many topics.

**Recommendation**

The topics covered by the unit will be reduced. For example, advanced topics such as Metasploit will be removed.

#### Feedback from Teaching Team Reflections

**Feedback**

Windows virtual machines and Wazuh are difficult to use on computers with less than 16Gbytes of RAM and 30Gbytes of free hard drive space.

**Recommendation**

Additional information about the hardware requirements for a machine that can handle simultaneous virtual machines will be added to the eUnit profile and unit materials. Troubleshooting support will also be added to the tutorials.

#### Feedback from Student Evaluations and Teaching Team Reflections

**Feedback**

Students appreciate learning real world skills.

**Recommendation**

Continue to cover tools such as Kali, Wazuh, and Windows controls and attacks.

## Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 19 May 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 19 May 2025

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 23 June 2025

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.