Overview

This program is designed to provide technically competent IT professionals with an accelerated introduction to research, scholarship and major practical techniques in offensive and defensive cyber operations, wireless security, reverse engineering, and exploit development and the analysis of big data in a security context. The elective offerings allow a focus on Digital or Network forensics or critical infrastructure cyber security.
**Faculty**
UNSW Canberra at ADFA

**School**
UC Engineering & Information Technology

**Study Level**
Postgraduate

**Minimum Units of Credit**
48

**Specialisation Type**
Specialisation
Learning Outcomes

1. Graduates will have acquired advanced disciplinary knowledge and skills, and an ability to apply these in a range of contexts within cyber security, cyber defence and big data analysis

2. Graduates will have demonstrated the application of knowledge and skills with creativity and initiative in new situations in professional practice or for further learning.

3. Graduates will have demonstrated the application of knowledge and skills with high level personal autonomy and accountability

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Available in Program(s)

Program(s) in which this specialisation is available

Master of Cyber Security - MCyberSec

8628 Cyber Security

Faculty: UNSW Canberra at ADFA
Campus: Canberra
Units of Credit: 48
Typical Duration: 1 Years
Specialisation Structure

Students must complete 48 UOC.

Core Courses

Students must take 42 UOC of the following courses.

ZEIT8020  |  6 UOC
Cyber Offence: Threats and Opportunities

ZEIT8021  |  6 UOC
Information Assurance and Security

ZEIT8023  |  6 UOC
Wireless, Mobile and Internet of Things Security

ZEIT8025  |  6 UOC
Reverse Engineering

ZEIT8026  |  6 UOC
Cyber Defence: Network Security Operations

ZEIT8030  |  6 UOC
Big Data and Decision Analytics for Security

ZEIT8042  |  6 UOC
Introduction to Exploit Development

Prescribed Electives

Students must take at least 6 UOC of the following courses.

ZEIT8027  |  6 UOC
Critical Infrastructure and Control System Security

ZEIT8028  |  6 UOC
**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179