Overview

The Master of Cyber Security is a postgraduate award offered by the School of Engineering and Information Technology. It is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications in IT, computer science, electrical computer or systems engineering or a related discipline and/or extensive relevant professional experience who wish to gain a more detailed understanding of the technical skills and expertise relevant to the technical implementation and leadership of the cyber security function.

This coursework masters degree is designed to meet the demand for technical experts who can implement and lead the technical cyber security function in government, industry, law enforcement and Defence. It provides principles gathered from information systems, systems engineering, computer science, network security, and defence to enhance a career as a cyber security specialist.
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<tr>
<th><strong>Faculty</strong></th>
<th>UNSW Canberra at ADFA</th>
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<td><strong>Campus</strong></td>
<td>Canberra</td>
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<tr>
<td><strong>Study Level</strong></td>
<td>Postgraduate</td>
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<tr>
<td><strong>Typical duration</strong></td>
<td>1 Years</td>
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<tr>
<td><strong>Delivery Mode</strong></td>
<td>Distance</td>
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<tr>
<td><strong>Intake Period</strong></td>
<td>Semester 1, Semester 2</td>
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<td><strong>Academic Calendar</strong></td>
<td>UNSW Canberra Calendar</td>
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<td><strong>Minimum Units of Credit</strong></td>
<td>48</td>
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<td><strong>Award type</strong></td>
<td>Masters (Coursework)</td>
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<tr>
<td><strong>Award(s)</strong></td>
<td>Master of Cyber Security - <strong>MCyberSec</strong></td>
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Learning Outcomes

1. Graduates will be able to communicate effectively to a range of audiences and be capable of independent and collaborative inquiry, working effectively with others.

   Scholars   Leaders   Professionals

2. Graduates will have acquired advanced disciplinary knowledge and skills in Cyber Security, and an ability to apply these in a range of contexts.

   Scholars

3. Graduates will have an awareness of international issues within Cyber Security

   Professionals   Global Citizens   Scholars

4. Graduates will have demonstrated the application of knowledge and skills in Cyber Security with high level personal autonomy and accountability

   Professionals   Global Citizens   Scholars

5. Graduates will have demonstrated the application of knowledge and skills to plan and execute a substantial research-based project or piece of scholarship in Cyber Security

   Scholars   Professionals

6. Graduates will have developed advanced critical thinking and problem-solving skills and applied them to Cyber Security.

   Scholars

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

   Leaders

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Program Structure

Students must complete 48 UOC as a standalone program.

1. Core courses - 24 UOC
2. Prescribed elective courses - 24 UOC

Specialisation Options

Completion of a specialisation is optional. Students may choose a maximum of one specialisations below.

SPECIALISATION:

ZEITDS    | 48 UOC
Digital Forensics

ZEITIS    | 48 UOC
Advanced Tradecraft

Core Courses

Students must take 24 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

ZEIT8026   | 6 UOC
Cyber Defence: Network Security Operations

Prescribed Electives
Students must take at least 12 UOC, up to a maximum of 24 UOC of the following courses.

Note: Students who are not taking ZEIT8297 Project Report - Systems Engineering may with School approval, take up to two courses 12 UOC from other coursework programs.

ZEIT8024  |  6 UOC  
Software Security Lifecycle

ZEIT8025  |  6 UOC  
Reverse Engineering

ZEIT8027  |  6 UOC  
Critical Infrastructure and Control System Security

ZEIT8028  |  6 UOC  
Digital Forensics

ZEIT8029  |  6 UOC  
Network and Memory Forensics

ZEIT8030  |  6 UOC  
Big Data and Decision Analytics for Security

ZEIT8036  |  6 UOC  
Humans and Security

ZEIT8042  |  6 UOC  
Introduction to Exploit Development

**Research Project**

Students can take up to a maximum of 12 UOC of the following courses subject to obtaining a high distinction average in four courses and approval of the Postgraduate Coordinator. The project is recommended for those with a strong interest in pursuing original research in a particular area or intending to undertake a higher research qualification. Students undertaking the project are unable to enrol in courses from
other coursework programs.

ZEIT8260  |  6 UOC  
Project Report - Cyber Security (Part Time)

ZEIT8261  |  12 UOC  
Project Report - Cyber Security (Full Time)

**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.
Admission Requirements

Entry Requirements

To gain entry into a Master of Cyber Security (8628), an applicant must meet one of the following entry requirements:

1. Completion of a Bachelor degree with honours in the same or a related discipline* from a recognised institution; or

2. Completion of a Graduate Diploma or Graduate Certificate in the same or a related discipline* from a recognised institution; or

3. Completion of a Bachelor degree in the same or a related discipline* from a recognised institution; and completion of at least three years relevant full-time professional experience; or

4. Completion of a Bachelor degree in a non-related discipline; and completion of at least four years relevant full-time professional experience; or

5. Evidence of other qualifications and professional experience to be assessed as acceptable grounds for admission into the program by the relevant Program Authority. In certain circumstances, students may be required to undertake and successfully complete a relevant non-award course as a condition for admission into the program. This non-award course may also be credited towards the program upon admission.


For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Program Requirements

Progression Requirements

Students who do not complete the full Master program requirements may exit the program with a Graduate Certificate in Cyber Security (Code 7328) qualification (24 UOC). Of the four courses, students must have completed a minimum of two core courses and two other courses from the 8628 program. For any advanced standing granted on entry into the Masters program, a maximum of 12 UOC advanced standing can be applied to the Graduate Certificate. It is still a requirement that the student complete at least one core course at UNSW.

For more information on university policy on progression requirements please visit Academic Progression.
Recognition of Achievement

Award with Excellence

The Award with Excellence is awarded in coursework masters programs, including Masters (Extension) but with the exception of Masters (Extended) such as JD and MD, when a Weighted Average Mean (WAM) of at least 80% has been achieved and at least 50% of the requirements of the award are completed at UNSW. All eligible programs will award 'with Excellence' except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

Current Students Award with Excellence
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

- Domestic Students
- Commonwealth Supported Students
- International Students

Additional Expenses

- Computer and Internet, Texts
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