



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Postgraduate Cyber Security

Study Cyber Security and go beyond traditional thinking. We bring together students from technology, business, mathematics, social science and law to offer an integrated learning experience, unique to UQ.

Our aim is to create specialists with a deep understanding of cyber security's impact on every aspect of modern life, and to empower cyber security leaders for a resilient, more productive digital future.



Postgraduate Options

MASTER OF CYBER SECURITY

Program duration

2 years full-time (4 semesters)
1.5 years full-time (3 semesters)

GRADUATE DIPLOMA IN CYBER SECURITY

Program duration

1 year full-time (2 semesters)

GRADUATE CERTIFICATE IN CYBER SECURITY

Program duration

0.5 years full-time (1 semester)

Location

St Lucia

Study mode

Internal

Intake

Semester 1 or 2

Accreditation

UQ is currently seeking accreditation via the Australian Computer Society. Our postgraduate programs have been designed to align with USA's National Institute of Standards and Technology's Cyber Security Education (NICE) framework.

English language proficiency requirements

A score equivalent to four semesters of Sound Achievement in Queensland Studies Authority English or Australian or international equivalent.

An IELTS overall score of 6.5, with a score of 6 in writing, reading, speaking and listening.

For other English Language Proficiency tests and scores approved for UQ, visit:
future-students.uq.edu.au/english-requirements

Go beyond traditional education.

UQ's Postgraduate Cyber Security programs take you beyond traditional thinking and education. These are new degrees for a new kind of professional, aligned to the National Institute of Standards and Technology's internationally-recognised Cyber Security Education framework, taught by leading academics and industry professionals, with a truly inter-disciplinary approach to the field.

You will develop an understanding of the global cyber security landscape, informed by industry and government experts, to find better ways to defend, adapt and lead for a resilient, more productive digital world. Wherever you're positioned in your career, you'll look at the field from a different angle, ask bigger questions, and find new and exciting ways to meet the security challenges of the future.

Careers in Cyber Security

Postgraduate study can take you anywhere. Depending on which field you choose, here are some of the careers you could be on your way to:

Cyber Defence

Information Security Architect

Cyber Security Analyst / Consultant

Penetration Tester

Information Security Specialist

Cyber Criminology

Cyber Crime and Privacy Policy Advisor

Digital Forensics Expert

Cyber Crime Investigator

Anti-money Laundering Investigator

Leadership

Chief Information Security Officers (CISO)

Chief Executive Officer (CEO)

Executive Board and Director Positions

Information Security Manager

Entrepreneurship in Cyber Security

Cryptography

Signals Intelligence Officer

Malware Analysts

Cryptographic Systems Engineer

Financial and Payment Systems Engineer

Defence Intelligence Officer



"There are a lack of professionals available that meet industry need for both depth and breadth of cyber security knowledge, problem solving and at least some devops skills.

Experience and specific skills can be acquired on the job, however, job applicants with a solid knowledge of cyber security are naturally at an advantage."

MIKE HOLM

Operations Manager, AusCERT



AUSCERT

What you will study

Master of Cyber Security

Interdisciplinary core			
Fundamentals of Cyber Security			
Information Security Essentials			
Cyber Security Governance, Policy, Ethics and Law			
Cyber Criminology and Global Security			
Fields of study			
Cyber Defence	Leadership	Cyber Criminology	Cryptography
Foundation courses (32 unit program only)			
Introduction to Software Engineering	Management Frameworks	Introduction to Criminology	Linear and Abstract Algebra and Number Theory
Computer Systems Principles and Programming	Integrated Strategic Analysis	Introduction to Criminal Justice	Discrete Mathematics II
Database Principles	Leading People and Teams	Australian Crime Policy	Calculus and Linear Algebra I
Discrete Mathematics	Business and Corporate Law	Crime Prevention Policy and Practice	Applied Probability and Statistics
Advanced courses			
Vulnerability Assessment and Penetration Testing	Corporate Governance Law and Practice	Cyber Crime Foundations	Coding and Cryptography
Artificial Intelligence for Cyber Security	Cyber Security Risk Management and Controls	Cyber Crime Offending	Applied Cryptography
Cyber Incident Response	Cyber Security Human Capital Leadership	Regulation, Investigation and Responses	Quantum Algorithms and Quantum Computing
Electives	Electives	Electives	Electives
Research or industry based capstone allowing students to tackle a significant topic in their elected field of study.			

Graduate Diploma in Cyber Security

- You will study the interdisciplinary core, as well as
- 3 advanced courses in chosen field of study
- 1 elective

Graduate Certificate in Cyber Security

- You will study the interdisciplinary core.

Entry Requirements

Master of Cyber Security	Master of Cyber Security	Graduate Diploma in Cyber Security	Graduate Certificate in Cyber Security
2 years (32 units)	1.5 years (24 units)	1 year (16 units)	0.5 years (8 units)

Students require a:
Graduate Certificate / Graduate Diploma / Bachelor degree

In any discipline + 2 years management experience (Leadership field only)	In a field* relevant to the field of study for which you wish to enrol + 5 years management experience (Leadership field only)	In a field* relevant to the field of study for which you wish to enrol + 5 years management experience (Leadership field only)	In any discipline, or post-secondary study and 3 years relevant work experience
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*Please refer to the program admissions criteria for more information.

How to apply

Information about application procedures can be found at:
future-students.uq.edu.au/apply

Fees

For the most up-to-date program fees, please type in the name of your program at: uq.edu.au/study.

Fees are subject to annual indexation. ppl.app.uq.edu.au/content/3.40.03-international-student-refunds

Further Information

future-students.uq.edu.au
cyber.uq.edu.au

Australian student enquiries:
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T: +61 7 3365 4777

International student enquiries:
study@uq.edu.au
+61 3 8676 7004
uq.edu.au/international-students/enquire-online



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