

Master of Cyber Security

Postgraduate



Course overview

In an increasingly digital world, cyber-attacks are an everyday occurrence. As a result, cyber security professionals are in high demand around the world to protect organisations in all sectors from increasingly sophisticated cyber threats. Deakin's Master of Cyber Security equips you with the specialised skills to investigate and combat cyber crime and prepares you for a successful career in cyber security anywhere in the world.

Throughout the Master of Cyber Security, you will learn how to detect, analyse and confront cyber security challenges. You will focus on a range of studies, and gain knowledge about system security and digital forensics, analytics, organisational security and human aspects of cyber security. This vital experience will prepare you to counter the number one criminal threat to modern-day society.

Course structure

Master of Cyber Security

Location: Geelong Waurin Ponds Campus  and Cloud Campus 

Duration: the duration of this course is dependent on your experience and qualifications, please see entry requirements section for specific duration information.

Intake: March (Trimester 1), July (Trimester 2) and November (Trimester 3)

Deakin code: S734

To complete the Master of Cyber Security, you will complete 8, 12 or 16 credit points, depending on your prior experience.

The course comprises a total of 16 credit points (cp), which must include the following:

- Part A. Fundamental Information Technology Studies (4 cp)
- Part B. Introductory Cyber Security Studies (4 cp)
- Part C. Mastery Cyber Security Studies (8 cp)

You will also complete one zero credit point unit relating to academic integrity.

Please visit deakin.edu.au/handbook for more information about this course, including further details of the structure and units involved.

deakin.edu.au/course/S734

Part A. Fundamental Information Technology Studies

Object-Oriented Development
Database and Information Retrieval
Software Requirements Analysis and Modelling
Web Technologies and Development

Part B. Introductory Cyber Security Studies

Value of Information
Analytics for Security and Privacy
Cyber Security Management
Computer Networks and Security

Part C. Mastery Cyber Security Studies

Network Security
Advanced Digital Forensics
Advanced Topics in Digital Security
Research and Development in Information Technology
Team Project (A) - Project Management and Practices
Team Project (B) - Execution and Delivery

Master of Cyber Security (Professional)

Deakin also offers a Master of Cyber Security (Professional), designed to build on the specialised skills obtained in the Master of Cyber Security. This two-year program comprises 16 credit points and provides students with the opportunity to further their knowledge by undertaking industry-based learning or engaging in an in-depth research project under the supervision of our internationally-recognised research staff.

Visit deakin.edu.au/course/S735 for further details.

“Our cyber security students analysed a real-world case study of a hospital in Melbourne. Students were given an attack scenario, and using the knowledge gained they demonstrated how they would provide protection against that attack successfully, without risking patient or staff safety and privacy.”

Nick Patterson
Senior Lecturer



Centre for Cyber Security Research and Innovation

Deakin's Centre for Cyber Security Research and Innovation (CSRI) undertakes research into the theoretical foundations of cyber security as well as developing innovative cyber security technologies. The centre aims to develop new methods, new tools and new ways to understand the complexity of cyber security.

Students in Deakin's cyber security courses have the unique and valuable opportunity to learn from CSRI's world class researchers and cyber security specialists; and be exposed to cutting edge research and development and cyber security innovations.

Career opportunities

Graduates may pursue a career as a risk analyst, information security specialist, security system developer or programmer, cyber security consultant, security system manager, cryptographer, security consultant, information security auditor, security manager; and with experience, take on roles such as chief security officer.

Replicate cyber-attacks

Deakin's cyber security learning spaces use specialised software to enable practice of real world cyber-attack and response scenarios.

You will have the opportunity to reflect on the need for cyber security in a working environment, and the various solutions that might apply. The course focuses on both technical and business aspects and sets you up with strong skills in critical thinking and problem solving.

Cyber Security Pathways

Deakin's framework for the postgraduate cyber security courses includes pathways for students to enter the program via a Graduate Certificate of Information Technology or a Graduate Certificate of Cyber Security, which lead to the Master of Cyber Security.

Interested in applying?

Entry requirements

You may be eligible to undertake the Master of Cyber Security over a shorter duration depending on your academic and professional background.

Depending on your prior experience, your course will be:

2 years full-time (4 years part-time)

Your admission for the 16 credit Master of Cyber Security will be based on performance in:

- Bachelor degree in any discipline; **OR**
- Other evidence of academic capability judged to be equivalent.

1.5 years full-time (3 years part-time)

Your admission for the 12 credit Master of Cyber Security will be based on performance in:

- Bachelor degree in a related discipline; **OR**
- Bachelor degree in any discipline plus two years relevant work experience; **OR**
- Graduate Certificate or Graduate Diploma in a related discipline; **OR**
- Other evidence of academic capability judged to be equivalent.

1 year full-time (2 years part-time)

Your admission for the 8 credit Master of Cyber Security will be based on performance in:

- Bachelor's Honours degree in a related discipline; **OR**
- Bachelor degree in a related discipline, plus two years relevant work experience; **OR**
- Graduate Certificate or Graduate Diploma in the same discipline; **OR**
- Evidence of academic capability judged to be equivalent.

How to apply

Applications can be made online via deakin.edu.au/apply.

For more information about entry requirements, submitting an application or the application process, please visit deakin.edu.au/courses/how-to-apply.

1800 MYFUTURE (1800 693 888)
myfuture@deakin.edu.au

deakin.edu.au/course/S734

While the information provided here was correct at the time of publication, Deakin University reserves the right to alter, amend or delete details of the course and unit offerings. Last updated September 2020.

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