Master of Cybersecurity
Master of Cybersecurity

Campus
City Campus (Collins Street)

Duration
2 years full-time or part-time equivalent

Academic entry requirements
Australian Bachelor’s degree in any discipline or an approved equivalent qualification.
International students need a minimum overall academic IELTS (or equivalent) score of 6.5.

Professional entry
Admission may also be granted to applicants with relevant work experience that is deemed to be at least equivalent to that obtained through a Bachelor degree. We may consider a range of factors including English proficiency, academic record, and/or employment experience.

latrobe.edu.au/cybersecurity

Industry-led course design
We’ve designed our Master of Cybersecurity by bringing together the insights of industry partners and academic specialists - all experts in the field. For you, it means the best of theory combined with the practical skills industry is looking for right now. You’ll also learn from leading industry experts, using their experience along with real-world case studies.

An innovative approach to cybersecurity
As a student of this degree, you’ll undertake a set of innovative foundation subjects that have been developed in direct response to industry feedback.
As you study these foundation subjects, you’ll begin to understand advanced cybersecurity practice, get into the mind (and understand the motivations) of a hacker, learn about crisis communication, auditing and risk mitigation as well as the legal and ethical implications of cybersecurity. It’s a distinctive approach to cybersecurity education, and one that we believe will create holistic thinkers ready to hit the ground running.

Multidisciplinary foundation subjects
Cybersecurity Principles
Inside the Mind of a Hacker
Legal Principles for Cybersecurity
Issues Management in Strategic Communication
Enterprise Risk Management

Choose your specialisation
It almost goes without saying that as information and communications technology has advanced, so too has the sophistication and scale of illegal activity. This rapid evolution in cybercrime now demands skilled cybersecurity experts across a range of fields, so we have developed three streams to allow students to specialise.

Master of Cybersecurity (Computer Science)
Effectively combatting cybercrime, demands innovation from skilled professionals. You will develop advanced skills in cryptography, network security and digital forensics. You’ll also learn not only to respond to a threat, but to think like a hacker to manage and avert crises.

Sample subject selection
Computer Forensics
Data Network Security
Wireless Security
Inside the Mind of a Hacker
Information Technology Project

Master of Cybersecurity (Business Operations)
Information security has been identified as a top priority for executives of Australian companies. Learn to harness analytics and risk management processes to inform key business practices. Be indispensable as the bridge between technical and managerial aspects of cybercrime prevention.

Sample subject selection
Enterprise Risk Management
Principles of Business Analytics
Business Information Systems Management
Predictive Analytics

Master of Cybersecurity (Law)
The governance of the digital space calls for professionals with technical expertise and knowledge of legal and ethical contexts. You will attain a grounding in practical skills, and learn to apply them in policy formation, policing and international relations.

Sample subject selection
Introduction to Cyber Forensics and the Law
Cyber Terrorism and International Warfare
International Cybercrime
Surveillance and Privacy in the Digital Age

Cybersecurity fast facts

9,100 cybersecurity experts needed in Australia by 2019¹

The exponential growth of cybercrime is estimated to cost our economy more than $1 billion annually²

Over 14,800 cybersecurity incidents affecting Australian businesses reported 2015-2016³

¹ Employment Projections 2015, Australian Bureau of Statistics
² Australia’s Cyber Security Strategy, Australian Government
³ Threat Report 2016, Australian Cyber Security Centre
Designed by industry, for industry

We’ve worked in collaboration with our industry partners to meet the information security demands of business, government, defence and law enforcement.

Career outcomes

The need for cybersecurity experts is at an all-time high across a range of industries, including banking and finance, healthcare, law, retail, defence and government.

<table>
<thead>
<tr>
<th>Security architect</th>
<th>Security analyst</th>
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<tbody>
<tr>
<td>Cyber intelligence</td>
<td>Security policy advisor</td>
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<tr>
<td>Compliance assurance manager</td>
<td>Researcher</td>
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<tr>
<td>Cybersecurity consultant</td>
<td>Risk management specialist</td>
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Graduates from our Business Operations and Law streams will also be prepared for roles in senior management and strategy and will be able to specialise in cybersecurity within their field.

“La Trobe University and Optus Business are committed to creating meaningful pathways to employment, and building the cybersecurity skills of the future.”

John Paitaridis
Managing Director, Optus Business

Our industry partners

- Optus
- Hewlett Packard Enterprise
- Symantec
- Australia Post
- Cisco
- Australian Signals Directorate, Department of Defence
- Cybersecurity Hub
- Cloudera
- Atlassian

La Trobe University is also a member of the Victorian Oceania Cyber Security Centre (OCSC), which is a hub for cybersecurity activities and fully funded by the Victorian Government.

“I’m excited to see the graduates of this course, as La Trobe has worked closely with industry to align course content with current issues.”

Michael Fieldhouse
Director of Emerging Business and Federal Government, Hewlett Packard Enterprise Australia

Study at our City Campus (Collins Street)

Our campus has been designed around the latest innovations in educational design, teaching and learning technology and features a new and fully customised fit-out.
Application process
Applying via our online application system is easy. The application should take no longer than 20 minutes to complete and you may need to submit relevant paperwork that addresses the entry requirements.
latrobe.edu.au/apply

Exit points
A Graduate Certificate of Cybersecurity and Graduate Diploma of Cybersecurity may be awarded to eligible students upon successful completion of required units, should they choose to exit early from the Master’s degree.

One-on-ones
Register for a one-on-one consultation with a course specialist to find out more about our postgraduate courses. If you’re unable to make it in person, we can organise a phone consultation at your convenience.
latrobe.edu.au/consult

Want to know more? Get in touch!

Phone enquiries
1300 135 045
Online chat
latrobe.edu.au/chat
Ask us a question
latrobe.edu.au/ask-us
LinkedIn
La Trobe University

latrobe.edu.au/cybersecurity