![Federation University logo]

Master of Applied Cyber Security

EST. 1870

Develop technical and business **strategic skills** to manage **cyber security implementation**

Welcome to Federation University Australia

We're thrilled that you've taken the first step towards completing a degree with Federation University. Whatever your passion or career goals, Federation has everything you need to make your mark in the world.

Reasons to choose Federation University

TOP 200	Young Universities **in the World**[1]
TOP 300	Universities worldwide for **Sustainable Development Goals**[2]
TOP 400	Universities worldwide for **Engineering and Technology**[3]
TOP 5	Universities in Victoria for **Teaching Quality** for Computing and Information Technology[4]
5/5 RATING	**Excellence in Research**[5] Federation was rated **at or above world standard** in 80% of our submitted Fields of Research
🐷	**Affordable tuition** fees and **great scholarships** available
👥	**High quality**, personalised teaching and dedicated **international student support**
🤝	**Industry integrated learning** with opportunities for **real life projects** with industry leaders

1 Times Higher Education (THE) Young University Rankings 2023
2 Times Higher Education (THE) World University Impact Rankings 2023
3 Times Higher Education (THE) World University Rankings by Subject 2023
4 The Good Universities Guide 2024 (Postgraduate)
5 Excellence in Research Australia, 2018 National Report

Welcome to the Institute of Innovation, Science and Sustainability (IISS)

Businesses are facing unprecedented challenges posed by digital disruption, combined with transformative opportunities through the rapid adoption of new technologies. Whether you're looking to enter the corporate world, nurture your entrepreneurial spirit or secure a promotion — there has never been a more exciting time to start a career in cyber security.

Federation University's Institute of Innovation, Science and Sustainability (IISS) delivers contemporary information technology degrees, designed to meet the needs of industry now and long into the future.

Incorporating teachings from our expert academics and industry leaders, you will develop your skills in the classroom and put them into practice through real-world projects, simulations and placements. We ensure that every Master of Applied Cyber Security graduate is equipped with confidence, knowledge, skills and experience to succeed in their career. That's why Federation University is internationally recognised by employers for producing highly desirable graduates.

We're becoming Australia's first Co-operative University

We have made a commitment to embed co-operative learning across every course and unit by 2025. This model prepares students for their future career by linking them to workplaces as a core part of their degree.

We achieve this through relationships with industry, incorporating employer and industry engagement from start to finish. It means that courses are co-designed, co-developed, co-delivered, co-assessed and co-accredited with input from our extensive industry partner network. Our students will benefit from learning beyond the classroom through paid cadetships, internships, team-based activities or working on real projects on-campus. The completion of which will contribute to their academic record and progress in their course.

Every Federation co-op degree will:

- equip you with transferrable and technical skills for your career
- include at least 150 hours of workplace learning that contributes to your course credits
- give you the opportunity to work alongside industry leaders and build your professional networks while you study

No matter what degree or course you choose, our co-op model will provide you meaningful work experience in organisations that use the latest technology and innovations to support the world in which we live. Study with us and graduate with the confidence, skills and experience to take your degree anywhere.

What to expect

Our Master of Applied Cyber Security will see you:

- gain a **deep knowledge of interdisciplinary areas of cybersecurity**, including threat detection, risk analytics, data security, incident response, privacy protection and compliance

- **graduate with a competitive advantage**, when searching for employment, by using a wide range of cutting-edge technologies from leading vendors like Amazon Web Services (AWS) and IBM®

- apply and understand IT theory and practice, embedded in **diverse industries** such as information communication technology (ICT), finance and banking, medical technology, mining equipment technology, advanced manufacturing, oil and gas, food and agribusiness

- dedicate a semester to completing a cybersecurity masters project, to gain work-ready skills, while also establishing **professional networks** with Federation's industry partners

- graduate from Australia's first Co-operative University with the **practical skills, knowledge, networks and confidence** to contribute to one of the most progressive industries in the world.

Throughout our Master of Applied Cyber Security course, you'll undertake a wide variety of core and elective units, designed to equip you with the future-focused knowledge and skills of a successful cyber professional.

The course has a strong emphasis on project-based learning, covering computer science, software engineering, the Internet of Things, business management and artificial intelligence, with applications across a wide range of industries – both local and global.

Units within this course are associated with the AWS cloud online virtual software platform, preparing you for AWS Certification, Could Security Certification (CCSP) and the Certified Information Systems Security Professional (CISSP) Certification.

What's in the detail?

CRICOS

102480H

INTAKES

Semester 1 (February)
Semester 2 (July)
Online Learning

CAMPUSES

Mt Helen (Ballarat)
Berwick (Melbourne)

DURATION

2 years full time
(240 credit points)

FEES (ANNUAL)

$28,240
New international students may be eligible for a tuition fee scholarship.
federation.edu.au/current-students/starting-at-federation/scholarships/international-scholarships ↖

Sample course plan

MASTER OF APPLIED CYBER SECURITY		
	YEAR 1	YEAR 2
SEMESTER 1	Networking and security (15 credit points)	Information security (15 credit points)
	Foundations of programming (15 credit points)	Electronic commerce security (15 credit points)
	Introduction to cyber security fundamentals and practices (15 credit points)	Cyber risk and incident management (15 credit points)
	Network operating systems and AWS Cloud (15 credit points)	Privacy and trust (15 credit points)
SEMESTER 2	Cloud and mobile security (15 credit points)	Masters project (60 credit points)
	Professional research and communication (15 credit points)	
	Leadership in IT project management (15 credit points)	
	Data analytics for cyber threat intelligence (15 credit points)	

Course details, fees and sample structures are subject to variation. For the most up to date information, visit our Course Finder website, study.federation.edu.au

Cyber industry masters project

In the final semester, all students dedicate their time solely to an industry-oriented Masters project. The project requires students to work on a real-world cybersecurity problem to develop workable solutions. Federation's vast network of partners supports this project, offering students mentorship and guidance across a range of industries including ICT, finance, advanced manufacturing and agribusiness, while simulating a manager-employee relationship.

Industry connections

Federation University Australia has collaborated with leading tech and finance organisations to deliver a Master of Applied Cyber Security course which will offer students an elite mentorship program.

This is the first of its kind in Australia.

This innovative course was co-developed with industry and has the support of key business collaborators Amazon Web Services (AWS) and IBM®. AWS will support students by providing the power computing platform that will deliver course materials. While IBM® will offer each student a paid internship at one of its Australia locations, allowing students to hone their skills working on innovative, real-world projects.

Federation has also secured mentors from a host of leading organisations such as Deloitte, KPMG and BHP that will support students during their study and aid them in forging contacts with future employers. This is what a co-operative education model brings to enhance your learning experience and drive employment outcomes for our graduates.

Upon graduation you'll have the knowledge, skills and experience to pursue a fulfilling career in a wide range of cyber roles, including:

- Cyber security analyst
- Risk assessor and analyst
- Incident response professional
- Operational risk manager
- Fraud investigator
- Quality and security analyst

aws academy

IBM

Your cyber industry supervisors

Our industry supervisors are experts in their field and provide invaluable insight and one-on-one guidance to our Master of Applied Cyber Security students for the duration of their course.

Visit our website to view **more industry supervisor profiles** ↖
federation.edu.au/icsl/industry-supervisors

Chris Drake
Founder of OceanHydro, CryptoPhoto and more.

An accomplished cyber entrepreneur, Chris is a 40-year-experienced coder, white-hat hacker, prominent speaker, and winner of more than a dozen international awards for innovation and excellence in cyber. As an author of the world's most heavily-cited security patent, founder of multiple cyber businesses, and a frequent contributor to government cyber policy – you'll learn first-hand what it takes to pioneer new cyber solutions across a wide range of industries.

Gyle dela Cruz
Senior Security Consultant, Insurance Australia Group

An accomplished professional, international speaker and author, Gyle's expertise lies in digital forensics, cyber threat intelligence, security operations, security policy and implementation. Working for a financial organization, as part of the defence and threat disruption team, Gyle utilises her varied skills and knowledge accumulated through the years working in different areas and industries. This mentor has an impressive record of training thousands of people in the realm of network security and cyber security, having received the AWSN Mentor of the Year award in 2022.

Entry and application information

Entry requirements

To be eligible for this course students must have **successfully completed**:

- A recognised 3-year Australian **bachelor degree** (or overseas equivalent) or other university qualification combined with appropriate industry experiences; and
- **Academic IELTS overall score of 6.0**, with no bands less than 6.0 (or equivalent)

For more information on satisfying English language requirements, including accepted test courses, please visit **this link** ⬉ https://federation.edu.au/international/study-at-federation/apply/prepare-your-application/english-language-requirements.

Once you have submitted your application, you will be assessed against the course requirements and for available pathways and scholarships.

Pathways designed specifically for you

If you have not met the entry requirements for this course, don't worry. With a range of pathways now available, you can be studying at Federation University sooner than you think.

English Language courses

(CRICOS Code 113565A)

Students who do not meet the English language requirements for this course may be eligible to complete our General English or English for Academic Preparation (EAP) courses. These courses have been newly designed to equip you with the English speaking, reading, writing and listening skills needed to be successful in your university studies. Depending on your English level, the Admissions team will package the appropriate pathway option together with your chosen degree.

Find out more ⬉

2024 course information will become available soon. To learn more, visit https://study.federation.edu.au/area/pathways

Alternate exit points

Students wishing to exit the Master of Applied Cyber Security early, may achieve the following qualifications:

- **Graduate Certificate in Cyber Security** – awarded to students who exit the course at 6 months, having completed 60 credit points.
- **Graduate Diploma of Cyber Security** – awarded to students who exit the course at 12 months, having completed 120 credit points.

Scholarships

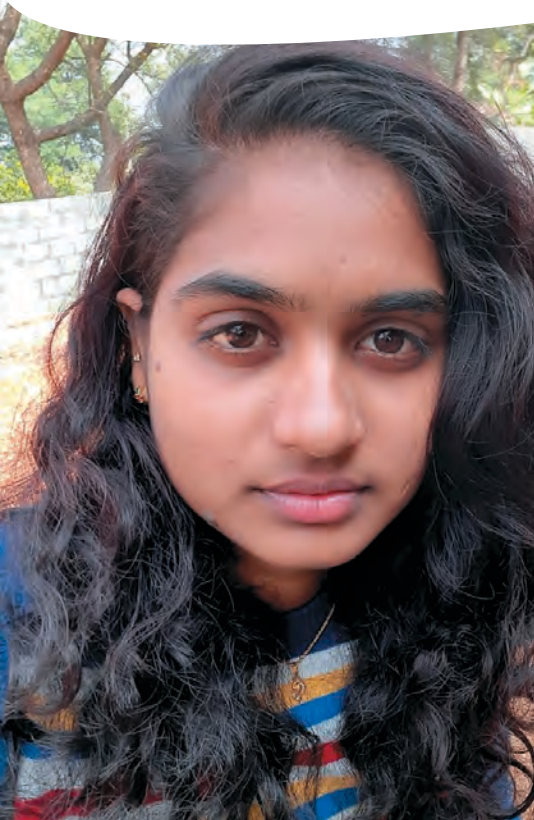**Studying in Australia just became more affordable**

At Federation University Australia, we're driven to make a real difference to the lives of every student who studies with us.

From pathways to recognition of academic excellence, accommodation support to research grants – we offer a range of scholarships to help you start studying sooner.

Visit our website to learn more about available scholarships, terms and conditions, eligibility criteria, and how to apply.

Find out more ⬉
federation.edu.au/scholarships

Meghana
Master of Applied Cyber Security

Having worked as a SAP Security Consultant in India for 3 years, Meghana was eager to pursue a career as a Cyber Security Analyst. She enrolled in Federation University's Master of Applied Cyber Security course after a friend provided great feedback on their time studying with us.

"I wanted to find a university that offers students support and guidance from the Professors. My friend studied their master's degree at the Mt Helen Campus and told me they experienced that, and more, at Federation."

" With digital attacks happening around the world, cyber security jobs are booming. There are multiple career opportunities to choose from so I hope to combine my degree and past experience to launch my career in the field.

Highlights in the course so far have been meeting my industry supervisor, Dr. Rani Yesudas. She has given me so much support already – answering questions about assignments and suggesting articles and research to read that will help me in my career too.

I'm so grateful for the support given by the International Student Support and my Course Coordinator. It's been a great experience so far and I look forward to becoming involved in student groups and events on campus and in the Ballarat community. "

Feel supported to succeed

We understand that choosing to study abroad is both an exciting and challenging time. Help at Federation University is readily available – be it support with your English, understanding your assignments, or finding someone to talk to about personal life concerns. No matter the challenge, our range of student-focused services enables international students to develop skills, knowledge and confidence in a supportive environment that is united in your ambition to succeed.

Some of our support services include:

	English Language Support Service
	Libraries and Learning Skills Advisory
	Counselling
	International Student Employability
	International Student Advisory
	Spiritual facilities
	Support for students with disabilities
	Sports and clubs

Your next steps

Whether you're applying directly or via an agent, just follow these simple steps

1 — **2** — **3** — **4** — **5** — **6** — **7**

Step 1

FIND YOUR COURSE

Find the Federation University course you wish to study

- For undergraduate and postgraduate courses visit **study.federation.edu.au**
- Check you meet the academic entry requirements
- Check you meet the English language requirements
- Check for any essential requirements that you need to complete in addition to your application.

Essential requirements may include auditions, tests or interviews.

Step 2

APPLY

- International students or their agents must apply through the **StudyLink** online application system

  Visit **federation.edu.au/international/study-at-federation/apply**
- Follow the instructions and ensure you have attached all relevant supporting documents.
- Details of documentation required is available at **federation.edu.au/international/prepare**

Note: Be aware of cut off dates.

Step 3

ASSESSMENT

Your application will be assessed by our team

- English language requirements
- Academic entry requirements
- Scholarships

Step 4

OFFER MADE
Congratulations!

You will be sent an International Student Offer and Acceptance Pack that includes:

- Letter of Offer
- Information for accepting your offer
- GTE and/or financial assessment forms*

Refer **federation.edu.au/SSVF** for more information.

*International students may be required to complete a pre-visa screening process as a condition of their offer under the requirements of the Simplified Student Visa Framework (SSVF). The requirements will depend on a number of factors.

Step 5

ACCEPTANCE AND PAYMENT

Once you have provided all documentation and met all conditions, sign the acceptance of your offer letter and pay the required fees.

We will then issue you with an electronic Confirmation of Enrolment (CoE).

Note: Payments to Federation must be made via Convera GlobalPay through your StudyLink application.

Step 6

VISA APPLICATION WITH COE

You will need your CoE to apply for your Australian student visa.

More information on the visa application process is available at **immi.homeaffairs.gov.au**

Note: Make sure you plan in advance to get your visa in time.

Step 7

PREPARE TO ARRIVE

We will send you an International Student Support Guide to help you understand what to expect.

FLIGHTS

Make sure you arrive in time to attend the compulsory International Student Orientation Program that is held in the weeks before semester commences.

ACCOMMODATION

Check out the offers from FedLiving – on-campus accommodation in Ballarat, Berwick and Gippsland.

Federation University

Federation.edu.au
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