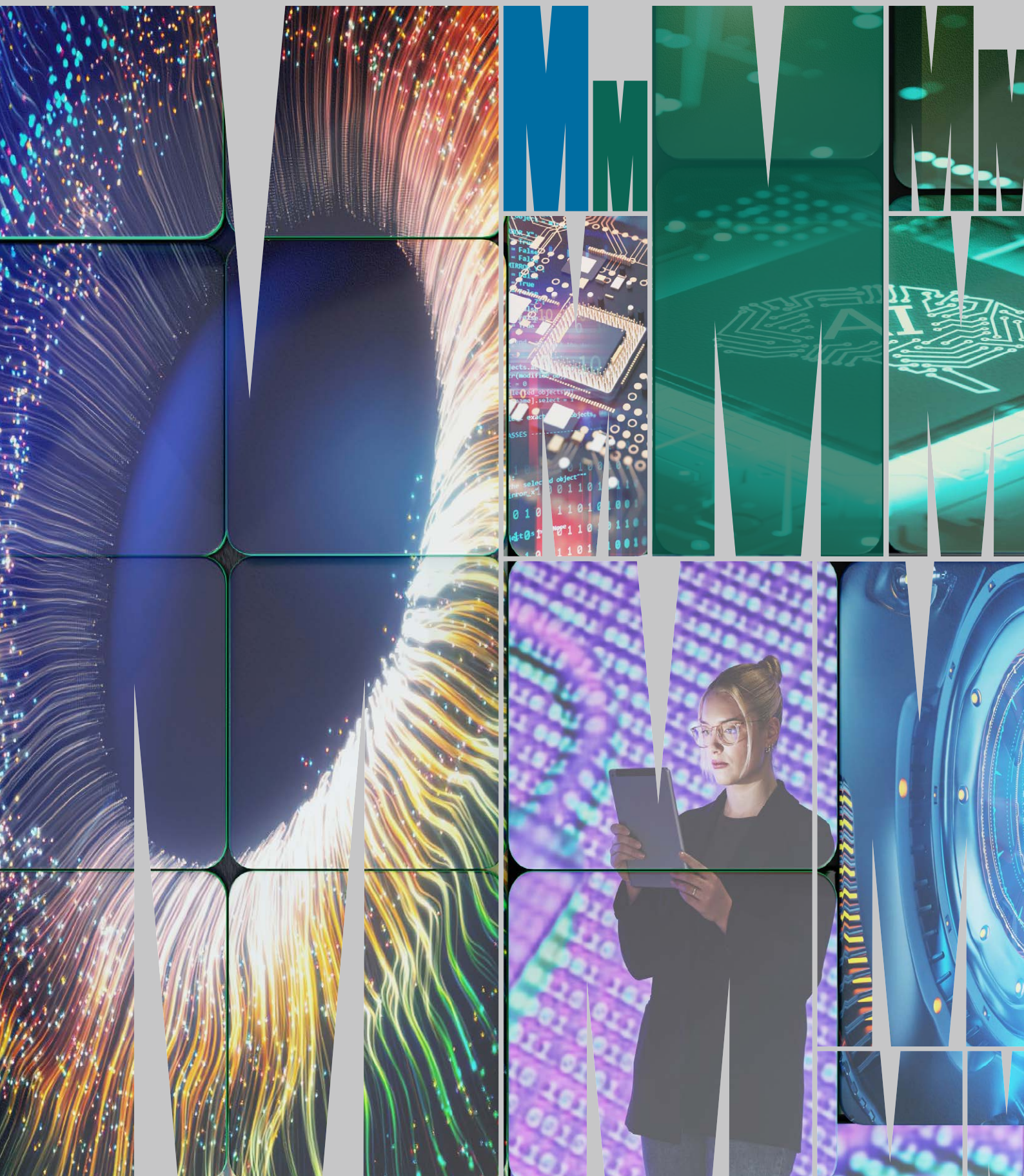
MONASH University

INFORMATION TECHNOLOGY

GRADUATE COURSE GUIDE

2026



EQUIP YOURSELF FOR LEADERSHIP, OPPORTUNITY AND IMPACT

Almost 70% of ICT professions in Australia are facing a shortage of talent,[1] a reflection of the growing demand for specialist IT skills.

At Monash, you'll learn from leading researchers who are driving social good with their IT innovations. You'll have access to cutting-edge facilities, real-world experience programs and strong professional networks. And throughout your studies, you'll discover a variety of pathways to take you from education to industry to impact.

As the only university out of the prestigious Group of Eight to have an entire faculty dedicated to technology, we can't emphasise enough that IT is more than a field – it's a world of opportunity.

It offers you expertise in demand across all industries, organisations and countries, exemplified by the inspirational journeys of our alumni.

So whether you want to reach new heights, make a career change or open greater employment opportunities, let us help you realise your potential."

PROFESSOR ANN NICHOLSON
Dean, Faculty of Information Technology

WORLD RANKINGS

#32 FOR IMPACT AMONG 2,152 UNIVERSITIES[2]

#37 FOR COMPUTER SCIENCE AND ENGINEERING[3]

#40 FOR DATA SCIENCE AND AI[4]

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MONASH UNIVERSITY recognises that its Australian campuses are located on the unceded lands of the people of the Kulin Nations, and pays its respects to their Elders, past and present.

1. 2023 Annual Jobs and Skills Report, Job and Skills Australia
2. Times Higher Education Impact Rankings 2024
3. Shanghai Ranking Global Ranking of Academic Subjects 2024
4. QS World University Rankings 2025

NEW KNOWLEDGE NEW OPPORTUNITIES

People from across the globe are drawn to our graduate programs, renowned for their breadth, depth and flexibility.

Whether you've been in the industry for a few years or have just finished your bachelor's, let our graduate degrees propel you towards your professional goals.

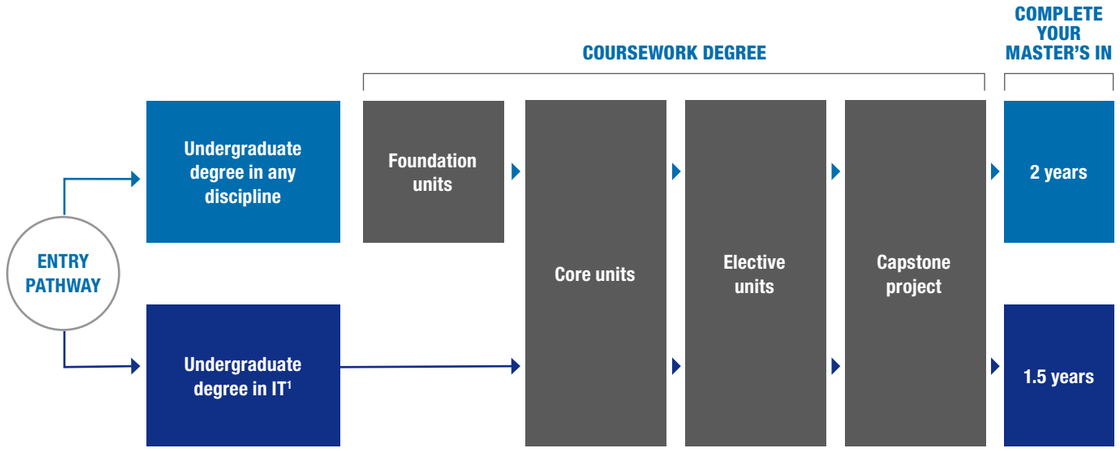
To broaden your skills and expand your career prospects, our non-cognate courses cover a comprehensive range of units – from the fundamentals to the specialised. What's more, they give you the freedom to explore a range of areas before honing in on a discipline you're interested in.

CHOOSE YOUR MASTER'S

- Applied Data Science
- Artificial Intelligence
- Bioinformatics
- Business Information Systems
- Computer Science
- Cybersecurity
- Data Science
- Health Data Analytics
- Information Technology

YOUR GRADUATE DEGREE PATHWAY

Most of our graduate degrees start with foundation and core units. Then, through electives, you can explore specific topics to refine your expertise. The duration of your course will depend on which path you pursue, as shown below.



1. This a general model only and final pathway will depend on units studied in your undergraduate degree. You can check course prerequisite subjects on study.monash.

ABOUT OUR CAPSTONE PROJECTS

The majority of our master's degrees include a final-year, real-world capstone project that gets you hands-on in applying your new IT expertise.

MINOR THESIS

Extend your knowledge in an area of interest, use state-of-the-art facilities and develop a competitive advantage by gaining skills valued across academia and industry.

Undertaking a minor thesis will see you prove your ability to undertake independent research while contributing original insights.

INDUSTRY EXPERIENCE STUDIO PROJECTS

Working with students from across IT, develop an end-to-end solution that addresses a pressing challenge – showcasing how your skills can be used to make a positive impact.

Mentored by industry, apply what you've learned while gaining valuable business insights and experience to advance your career.

PROFESSIONAL ACCREDITATION

All degrees managed by us are accredited by the Australian Computing Society (ACS) – the trusted leader of the national tech industry.

The accreditation is only given to education programs of the highest quality. What's more, as one of our graduates you can become an ACS member and get access to career support, groundbreaking reports and more.

Being ACS-accredited isn't just valuable in Australia. It's recognised globally, boosting your opportunities and prospects worldwide.

AN INDUSTRY STRONG ON ALL FRONTS

The technology sector is teeming with growth and opportunity. Intersecting with all other industries, IT is one of the most promising fields to advance or launch your career in.

With IT paving the way for remote work globally, it's also no surprise that the sector itself offers you plenty of flexibility in terms of where you can live and how you balance life's other commitments.

85%

Of IT graduates are employed full-time within four months of completing their course.[1]

1.2M

ICT professionals to be employed by 2030.[2]

+70K

Jobs since February 2022 – a growth rate 2x stronger than other jobs in Australia.[2]

$132K

Average advertised salary in the ICT industry – 1.5 times higher than other professions.[2]

1. Good Universities Guide (2025)
2. Tech Jobs Update – TechCouncil of Australia (2023)

TOP EMERGING JOBS AND PATHWAYS TO THEM

IT professions are some of the world's fastest growing roles. Here's a snapshot – with Monash degrees that can get you there.

ROLE	OUR PATHWAYS
Machine learning engineer Designs, implements and deploys models and systems that give AI its 'intelligence' – allowing computers to learn, communicate and make decisions.	**Master of Artificial Intelligence** **Master of Computer Science** **Graduate Diploma of Computer Science** **Graduate Certificate of Artificial Intelligence (Online)**
Management and organisation analyst Helps businesses improve their performance, efficiency and success by identifying potential risks and challenges, and devising solutions.	**Master of Business Information Systems**
Data scientist Uncovers patterns, trends, relationships and other insights from big data to inform business decisions, drive innovation and solve pressing problems.	**Master of Data Science** **Master of Applied Data Science** **Master of Health Data Analytics (healthcare focused)** **Graduate Diploma of Applied Data Science** **Graduate Certificate of Applied Data Science**
Database and systems administrator Manages, maintains and secures the databases and information systems of an organisation, ensuring efficient operation, availability, integrity and security of data and IT infrastructure.	**Master of Data Science** **Master of Applied Data Science** **Master of Health Data Analytics (healthcare focused)** **Graduate Diploma of Applied Data Science** **Graduate Certificate of Applied Data Science**
Software and applications programmer Develops software solutions that address business needs, improve productivity and enhance user experiences across various industries and domains.	**Master of Information Technology** **Master of Computer Science** **Graduate Diploma of Computer Science**
ICT manager Drives digital transformation initiatives – including leveraging technology to improve operational efficiency and enhance customer experience – to boost business growth.	**Master of Information Technology** **Master of Computer Science** **Master of Business Information Systems** **Graduate Diploma of Computer Science**
Cybersecurity specialist Safeguards sensitive information, maintains the integrity and availability of IT systems, and protects organisations from cyber attacks.	**Master of Cybersecurity** **Master of Computer Science** **Graduate Diploma of Computer Science** **Graduate Certificate of Cybersecurity (Online)**

Jobs on the Rise – LinkedIn 2023
Tech Jobs Update – TechCouncil of Australia (2023)

IMMERSE IN REAL-WORLD PRACTICE

Through our popular industry initiatives, prepare to turn your expertise into action.

THE HANDS-ON EXPERIENCE AND MENTORSHIP EQUIPPED ME WITH THE SKILLS TO THRIVE IN MY CAREER

The Industry Experience unit has been pivotal to my professional journey as a software engineer at Telstra. It gave me practical insights and enhanced my ability to navigate the intricacies of the workforce. I also had opportunities to take leadership roles while collaborating with people from different disciplines.

DESMOND

Master of Data Science
Ecofash team, Industry Experience unit

Learn more
bit.ly/3Vz42Tk

INDUSTRY EXPERIENCE (IE) STUDIO PROJECTS

If you choose to pursue an IE Studio Project as your capstone project, you'll work with students from a range of IT disciplines to address a real, pressing challenge.

Deploy everything you've learned while gaining valuable business insights and hands-on experience to advance your career. All while under the guidance of a mentor from industry.

IMPACTFUL, INSIGHTFUL RESEARCH

Named Australia's most innovative university three years in a row,[1] Monash is *the* home of high-quality research.

MASTER'S THESIS PROJECTS

The ideal pathway into graduate research (like a PhD) spend two semesters as part of your degree's capstone project[2] investigating a relevant area of interest and writing a thesis – with the support of at least two experts in the field.

This is a rare opportunity for you to develop a profound understanding in an IT discipline you're passionate about, under the mentorship of leading specialists.

GRADUATE RESEARCH DEGREES

When you undertake a research degree (MPhil or PhD) at Monash, you'll have access to:

- generous scholarships
- student support
- supervisors who are world leaders in their fields
- partnerships with industry and professional associations
- an inspirational, rapidly-growing community of like-minded peers.

With the most enrolments out of all the Group of Eight universities, our graduate research initiatives follow the Monash Doctoral Program that blends original research with training.

The goal? To refine your research skills and acumen – and prepare you for success in your chosen career.

NEXT GENERATION GRADUATES PROGRAMS

Future focused, these programs offer industry placements with extensive research and development into the most pressing topics across AI and emerging technologies.

Cohort-based and cross-disciplinary, each initiative sees graduate researchers placed in organisations to solve real problems – and make real impact. They are open to prospective PhD, Master's by Research and Honours students.

Learn more about our Next Gen Grad Programs
monash.edu/it/nextgen

MONASH STUDENT TEAMS

Looking to develop your technical and soft skills while creating positive societal impact?

Our IT student teams provide you with the unique opportunity to build your own 'mini-business' to tackle a real-world IT research project of your choice. Grow your team of multidisciplinary experts, engage with industry professionals, organise events, get sponsorships and more.

Learn more about our student teams
monash.edu/it/student-teams

1. Reuters Top 75: Asia's Most Innovative Universities (2017-2019)
2. Available in all master's degrees except the Master of Computer Science

MAKING GRADUATE STUDY MORE ACCESSIBLE



Common for many graduate students, it can be hard to pursue further study among other commitments. That's why we offer a number of support resources and opportunities to help.

SCHOLARSHIPS AND SUPPORT PLACES

Our scholarships offer you added financial aid that can help cover costs during your studies so you can focus on growing and upskilling. We automatically put you forward for them – all you have to do is accept!

INFORMATION TECHNOLOGY POSTGRADUATE SCHOLARSHIP

For continuing students studying a graduate IT degree, this scholarship provides $6K per annum towards course fees.

COMMONWEALTH SUPPORTED PLACES (CSP)

A CSP could be available in your selected course that's partially subsidised by the government.

GOVERNMENT INCOME SUPPORT (DOMESTIC STUDENTS ONLY)

Students enrolled in an approved master's by coursework degree may be eligible for Youth Allowance, Austudy, a Pensioner Education Supplement or another government program.

GRADUATE RESEARCH SCHOLARSHIPS

These scholarships are awarded when applying for graduate research in IT.

Learn more about our scholarships by scanning the QR code.
bit.ly/36tqW23

MENTORSHIPS AND FURTHER STUDY AID

WOMEN IN TECHNOLOGY (WIT) MENTORING PROGRAM

Fosters connections and provides development opportunities for budding women professionals in IT. The only initiative of its kind at Monash, it pairs women and non-binary students with accomplished women mentors from industry for four months.

bit.ly/3PwwmSE

PEER MENTORING PROGRAM WITH DISABILITY SUPPORT SERVICES

Through our peer mentoring program, students living with disabilities can learn through the experiences of others – while expanding and developing their social network at Monash.

bit.ly/43qyBwx

MONASH GRADUATE ASSOCIATION (MGA)

For over 50 years, the MGA has provided graduate research and coursework students with advocacy, advice and support services. They can help you resolve any administrative, academic or welfare issues.

bit.ly/3TnimM6

RESOURCES AND OPPORTUNITIES FOR ABORIGINAL AND TORRES STRAIT ISLANDER STUDENTS

NATIONAL INDIGENOUS SPACE ACADEMY (NISA)

A world-first, this program paves the way for Indigenous STEM university students across Australia to intern at NASA's Jet Propulsion Laboratory (JPL) in the US for 10 weeks – learning from leading scientists, engineers and technologists.

bit.ly/3UeIxGm

FACULTY OF IT INDIGENOUS ACCOMMODATION SCHOLARSHIP

Offered to Indigenous students who wish to pursue an IT degree. Successful recipients receive one year's accommodation in a Standard Room in the Monash Residential Services' Halls of Residence, up to the value of $14K p.a.

bit.ly/49bAi26

INFORMATION TECHNOLOGY INDIGENOUS MERIT SCHOLARSHIP

A generous scholarship of up to $16K paid towards course fees, awarded to the highest achieving eligible student based on academic performance from previous study.

bit.ly/4a3rP2l

INFORMATION TECHNOLOGY INDIGENOUS STUDY SUPPORT SCHOLARSHIP

A scholarship of up to $15K awarded to Indigenous students who want to study, or are currently studying, an IT degree and come from a defined educational disadvantage group.

bit.ly/4alQBdl

WILLIAM COOPER INSTITUTE

A hub for Aboriginal and Torres Strait Islander research, learning and engagement, the Institute provides Indigenous students with a range of opportunities, events and resources to drive their success in university and their careers.

bit.ly/3x6dEeb

CYBERSECURITY

The widespread adoption of mobiles and other pervasive devices has greatly increased security risks – and in turn, the need for cybersecurity specialists.

POTENTIAL CAREERS

CYBERSECURITY SPECIALIST

Safeguards sensitive information, maintains the integrity and availability of IT systems, and protects organisations from cyber attacks.

BLOCKCHAIN SPECIALIST

Protects sensitive data and digital assets through new systems, decentralised apps and other blockchain-based solutions.

DIGITAL FORENSICS ANALYST

Blends computer science expertise with forensic skills to recover valuable information from computers and storage devices.

WHITE HAT HACKER

Uses hacking skills to proactively uncover holes and ultimately risks in a system's security – with permission of course.

CYBERCRIME INVESTIGATOR

Identifies, analyses and mitigates criminal activities such as hacking, fraud, data breachesand malware attacks.

NETWORK SECURITY ADMINISTRATOR

Protects networks from unauthorised access through risk assessments, training staff and monitoring network activity.

FACULTY OF IT GRADUATE COURSE GUIDE 2026

MASTER OF CYBERSECURITY

COURSE CODE: C6002 | **CRICOS CODE:** 0100636

This master's degree develops your ability to design, implement, assess and manage cybersecurity systems to protect sensitive data and communication networks.

The course includes foundation units meaning you don't need a background in IT to enrol. And in your final year, you'll cement everything you learn through either an industry experience studio project involving business mentors or a research initiative supported by a pioneering specialist.

Clayton

1.5 or 2 years full-time
3 or 4 years part-time[1]

February and July

Master of Cybersecurity

ALTERNATE EXITS

- Graduate Diploma of Cybersecurity
- Graduate Certificate of Cybersecurity

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	1	2
Bachelor's degree (or equivalent) in a related field[4]	Credit (60%)	2	1.5

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Information systems analysis, design and systems thinking
- Introduction to databases
- Introduction to Python programming
- Introduction to computer architecture and networks
- Software and network security
- Project management
- IT research and innovation methods
- Cyber operations
- Information and computer security.

Electives

- IT forensics
- Cloud computing and security
- Emerging topics for cybersecurity in practice.

To learn more about the Master of Cybersecurity, scan the QR code.

bit.ly/3Tlj5c5

GRADUATE CERTIFICATE OF CYBERSECURITY (ONLINE)

COURSE CODE: C4016

The certificate prepares you for work in the industry at an entry level, providing you with the fundamental knowledge, information and skills in cybersecurity and blockchain.

This new course will provide you with the opportunity to upskill or implement a career change, as well as providing a pathway to the Master of Cybersecurity.

Monash Online[6]

0.7 years part-time

May

Graduate Certificate of Cybersecurity

ENTRY REQUIREMENTS	Average requirements[2]	Duration (full-time in years)
Bachelor's degree (or equivalent) in a related field[5]	Credit (60%)	0.7

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Information and computer security.

Electives

- Software and network security
- Cyber operations
- Blockchain
- Cloud computing and security.

To learn more about the Graduate Certificate of Cybersecurity (online), scan the QR code.

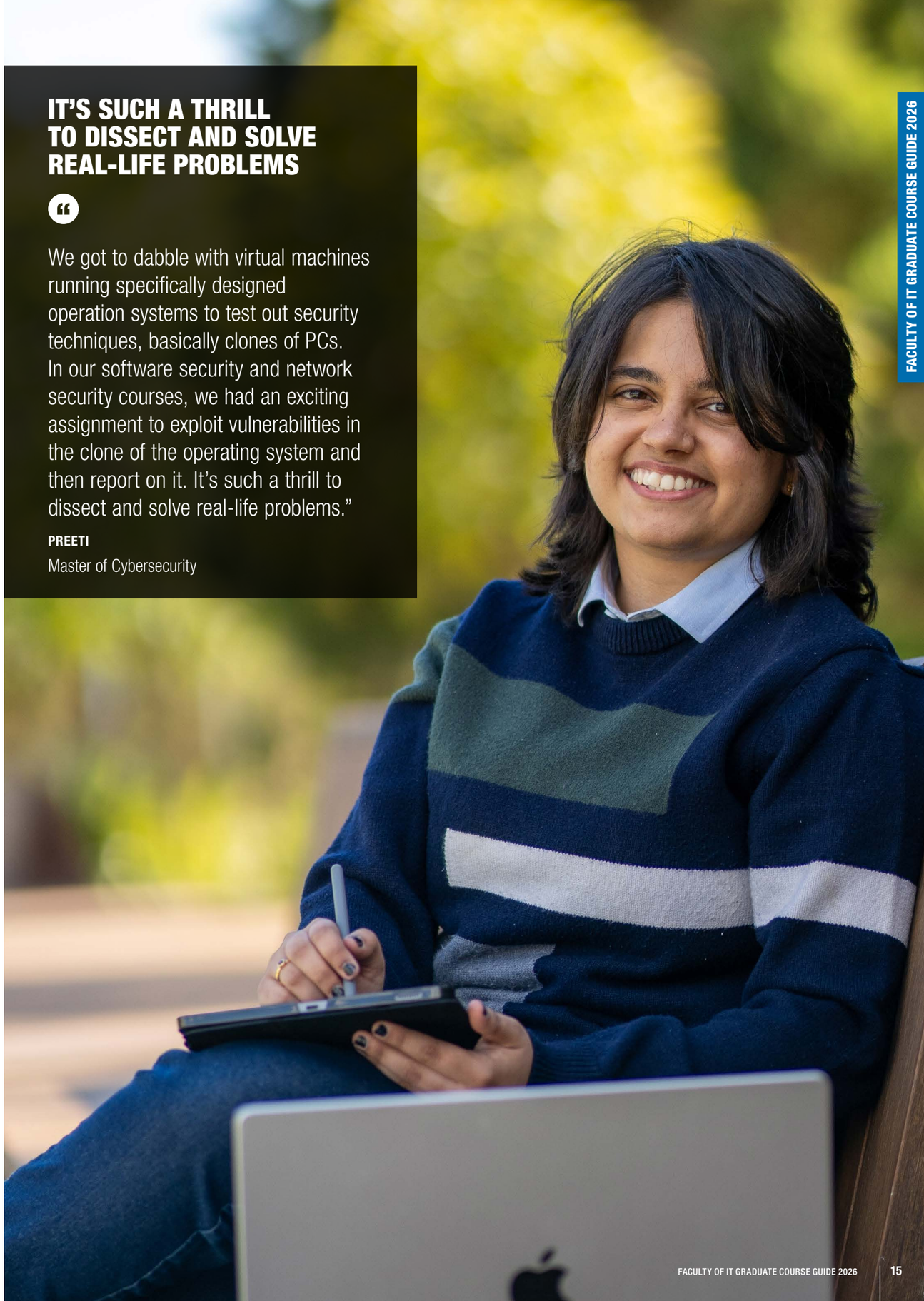
bit.ly/4i6kkus

1. Part-time study may be available to international students studying onshore in Australia who hold specific visa categories. Please check your visa for confirmation.
2. In equivalent Monash University Grading Scale Terms, a 100% scale where 50% is a pass. Your prior qualification/s must be accredited to the equivalent Australian level specified in the eligibility requirements table.
3. Even if you're eligible for a shorter course duration, you may elect to complete the longer duration.
4. Related fields include computing, computer science, software engineering, computer systems, electrical, electronic or communication engineering, with completed studies in Python programming, algorithms, computer architecture, operating systems and networks, systems analysis and design and databases.
5. Related fields include a discipline relating to an IT, Engineering or Science degree with completed studies in programming and computer architecture.
6. This course is not available to international students who are holders of an Australian student visa, for study onshore in Australia. However holders of some other categories of Australian visas living in Australia, and students studying online and living outside of Australia, may be eligible for this course.

IT'S SUCH A THRILL TO DISSECT AND SOLVE REAL-LIFE PROBLEMS

"We got to dabble with virtual machines running specifically designed operation systems to test out security techniques, basically clones of PCs. In our software security and network security courses, we had an exciting assignment to exploit vulnerabilities in the clone of the operating system and then report on it. It's such a thrill to dissect and solve real-life problems."

PREETI
Master of Cybersecurity



ARTIFICIAL INTELLIGENCE

AI has the ability to transform every aspect of our lives – from performing complex surgery to informing business decisions. With the field shaping the world at a rapid pace, society desperately needs experts in AI.

POTENTIAL CAREERS

MACHINE LEARNING ENGINEER

Designs, implements and deploys models and systems that give AI its 'intelligence' – allowing computers to learn, communicate and make decisions.

AI SECURITY SPECIALIST

Boosts the efforts against growing cyberattacks by harnessing the power of AI to support security operations and thwart potential threats.

AI SPECIALIST

Creates programs and infrastructures that help machines think and act without receiving explicit instructions – to enhance business outcomes and drive innovation.

DATA ANALYST

Gathers data from various sources and translates it into trustworthy recommendations to improve an organisation's business decisions.

AI RESEARCHER

Leads studies in AI, advancing the science and technology of intelligent machines, and creating greater real-world applications for this innovation.

ROBOTICS ENGINEER

Plans, develops and tests robot applications. Other exciting functions in this role include debugging robotics programs, creating back-ups and designing end-of-arm tooling.

FACULTY OF IT GRADUATE COURSE GUIDE 2026

MASTER OF ARTIFICIAL INTELLIGENCE

COURSE CODE: C6007 | **CRICOS CODE:** 103000K

In this master's degree, you'll learn directly from some of the greatest minds in the field – experts who stand at the forefront of AI technology.

Open to students of all backgrounds, the course puts what you learn into practice through a research project or industry experience studio initiative supported by leading specialists. No matter what you choose, this degree will equip you with a skillset that has global appeal.

- Clayton
- 1.5 or 2 years full-time
  3 or 4 years part-time[1]
- February and July
- Master of Artificial Intelligence

ALTERNATE EXITS

- Graduate Diploma of Artificial Intelligence
- Graduate Certificate of Artificial Intelligence

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	1	2
Bachelor's degree (or equivalent) in a related field[4]	Credit (60%)	2	1.5

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Introduction to databases
- Introduction to Python programming
- Introduction to computer architecture and networks
- Mathematical foundations for data science and AI
- Fundamentals of artificial intelligence
- Project management
- IT research and innovation methods
- Machine learning
- Deep learning
- Modelling discrete optimisation problems
- Multi-agent systems and collective behaviour.

Electives

- Natural language processing
- Intelligence image and video analysis
- Planning and automated reasoning.

To learn more about the Master of Artificial Intelligence, scan the QR code.
bit.ly/3Py2u8B

GRADUATE CERTIFICATE OF ARTIFICIAL INTELLIGENCE (ONLINE)

COURSE CODE: C4015

This graduate certificate will give you the skills and experience to leave your mark in the world of AI.

It introduces you to the fundamentals of AI development, including machine learning and natural language processing, equipping you to solve complex problems with solutions in this rapidly-growing area.

- Monash Online[5]
- 0.7 years part-time
- May
- Graduate Certificate of Artificial Intelligence

ENTRY REQUIREMENTS	Average requirements[2]	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in a related field[6]	Credit (60%)	0.7

KEY TOPICS

Core

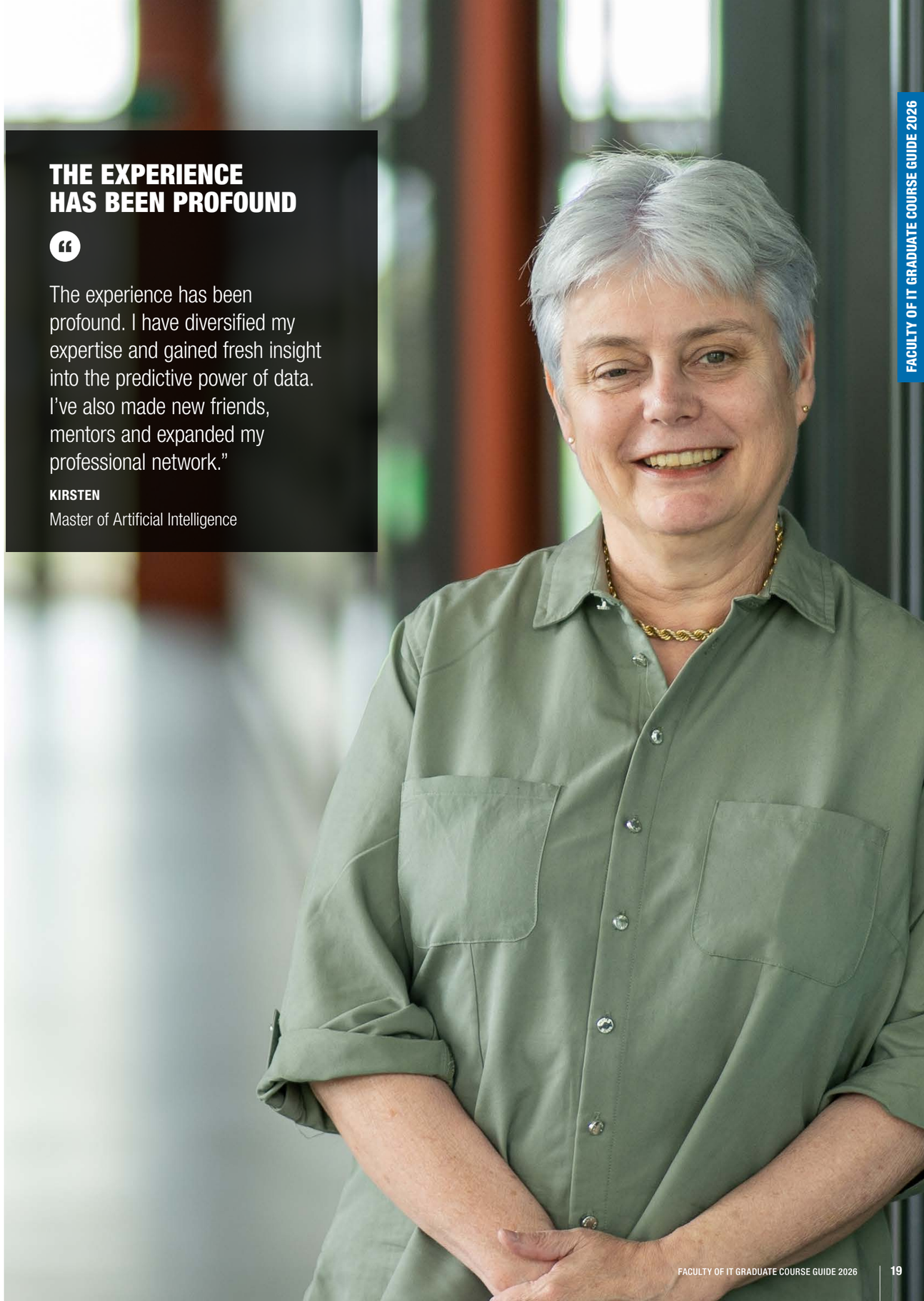
- Fundamentals of artificial intelligence.

Electives

- Machine learning
- Discrete optimisation problems
- Natural language processing
- Intelligence image and video analysis.

To learn more about the Graduate Certificate of Artificial Intelligence (Online), scan the QR code.
bit.ly/3RHRdD4

1. Part-time study may be available to international students studying onshore in Australia who hold specific visa categories. Please check your visa for confirmation.
2. In equivalent Monash University Grading Scale Terms, a 100% scale where 50% is a pass. Your prior qualification/s must be accredited to the equivalent Australian level specified in the eligibility requirements table.
3. Even if you're eligible for a shorter course duration, you may elect to complete the longer duration.
4. Related fields include a degree related to IT, or an engineering or science degree with a substantial IT component including Python programming, algorithms, databases, computer architecture, operating systems and networks, and mathematics (including calculus, linear algebra and probability and statistics).
5. This course is not available to international students who are holders of an Australian student visa, for study onshore in Australia. However holders of some other categories of Australian visas living in Australia, and students studying online and living outside of Australia, may be eligible for this course.
6. Related fields include IT, business (with mathematics), Engineering or Science degree with completed studies in mathematics (including principles and skills in probability, linear algebra and calculus) and Python programming.



THE EXPERIENCE HAS BEEN PROFOUND

"The experience has been profound. I have diversified my expertise and gained fresh insight into the predictive power of data. I've also made new friends, mentors and expanded my professional network."

KIRSTEN
Master of Artificial Intelligence

DATA SCIENCE

Sought-after worldwide, data experts extract gold from mass information. With the insights they uncover, these professionals drive innovation and transformation across many sectors.

POTENTIAL CAREERS

DATA SCIENTIST

Uncover patterns, trends, relationships and other insights from big data to inform business decisions, drive innovation and solve challenging problems.

DATA ANALYST

Sift through and translate complex business data into insights that will help your organisation make better decisions.

DATABASE AND SYSTEMS ADMINISTRATOR

Manage, maintain and secure the databases and information systems of an organisation, ensuring efficient operation, availability, integrity and security of data and IT infrastructure.

DATA ARCHITECT

Develop blueprints for building, testing and maintaining databases.

CHIEF DATA OFFICER

Oversee the organisation-wide collection, storage, analysis and management of data to achieve your business' high-level mission.

QUANTITATIVE ANALYST

Design and execute complex mathematical models to inform an organisation's financial decisions and reduce its risks.

THE SKILLS NEEDED TO SUCCEED

"My degree equipped me with the skills needed to succeed as a consultant at KPMG. It also helped me enhance my leadership, communication, critical thinking and evidence-based argument capabilities."

VIVIAN
Master of Data Science

MASTER OF DATA SCIENCE

COURSE CODE: C6004 | **CRICOS CODE:** 085349A

Even if you don't come from an IT-related background, you can still enrol in this master's degree.

This course teaches you the fundamentals before progressing to more advanced areas such as data wrangling and statistical modelling. When you reach your final year, gain real-world experience by developing a data-driven IT solution with the support of a top organisation or completing a research project guided by a leading expert (a step toward a PhD).

Clayton

1.5 or 2 years full-time
3 or 4 years part-time[1]

February and July

Master of Data Science

ALTERNATE EXITS

- Graduate Diploma of Data Science
- Graduate Certificate of Data Science

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	1	2
Bachelor's degree (or equivalent) in a related field[4]	Credit (60%)	2	1.5

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Introduction to databases
- Introduction to Python programming
- Introduction to computer architecture and networks
- Mathematical foundations for data science and AI
- Fundamentals of artificial intelligence
- Project management
- IT research and innovation methods
- Introduction to data science
- Data exploration and visualisation
- Data wrangling
- Statistical data modelling
- Data processing for big data.

Electives

- Applied data analysis
- Machine learning
- Data analysis for semi-structured data
- Introduction to bioinformatics.

To learn more about the Master of Data Science, scan the QR code.
bit.ly/3voH6vw

MASTER OF APPLIED DATA SCIENCE

COURSE CODE: C6011 | **CRICOS CODE:** 106844H

This degree focuses on applied learning, developing your core data skills and problem-solving capabilities to bridge the gap between knowledge and action.

Gain contemporary techniques to effectively transform data into actionable solutions. And grow your expertise in a wide variety of topics such as data exploration, data wrangling, big data processing, data management and its role and impact in society.

Finally, apply everything you've learned in an analytics-focused general practice project.

Monash Online[5]

2, 1.4 or 0.7 years part-time

January, March, May, July, August and October

Master of Applied Data Science

ALTERNATE EXITS

- Graduate Diploma of Applied Data Science
- Graduate Certificate of Applied Data Science

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree in a relevant field, OR an equivalent qualification approved by the faculty	Credit (60%)	1	2
Monash Graduate Certificate of Applied Data Science OR an equivalent qualification approved by the faculty	Credit (60%)	2	1.4
Monash Graduate Diploma of Applied Data Science OR an equivalent qualification approved by the faculty	Credit (60%)	3	0.7

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Introduction to databases
- Introduction to Python
- Mathematical foundations for data science and AI
- Introduction to data science
- Data wrangling
- Statistical data modelling.

Electives

- Data exploration and visualisation
- Applied data analysis
- Machine learning
- Data processing for big data
- Data analysis for semi-structured data.

To learn more about the Master of Applied Data Science, scan the QR code.
bit.ly/3PxvSf1

GRADUATE DIPLOMA OF APPLIED DATA SCIENCE

COURSE CODE: C5003

The rise of big data has changed how organisations do business. With this graduate diploma, you'll be at the forefront of this exciting transformation by gaining the skills to extract valuable insights from data to inform key business decisions.

Monash Online[5]

1.4 years part-time

January, March, May, July, August and October
(Six teaching periods per year, students take one unit each teaching period – equivalent to half-time workloads)

Graduate Diploma of Applied Data Science

ALTERNATE EXITS

- Graduate Certificate of Applied Data Science

ENTRY REQUIREMENTS	Average requirements[2]
Bachelor's degree (or equivalent) in a related field, OR	Credit (60%)
Bachelor's degree (or equivalent) and two years' professional work experience in programming or databases[4]	Credit (60%)

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Introduction to databases
- Introduction to Python
- Mathematical foundations for data science and AI
- Introduction to data science
- Data wrangling
- Statistical data modelling.

Electives

- Data exploration and visualisation
- Applied data analysis
- Machine learning
- Data processing for big data
- Data analysis for semi-structured data.

To learn more about the Graduate Diploma of Applied Data Science, scan the QR code.
bit.ly/3VuqvAV

GRADUATE CERTIFICATE OF APPLIED DATA SCIENCE

COURSE CODE: C4012

This certificate prepares you for an entry-level career in data science, providing you with the skills to deal effectively with the data lifecycle. It gives you an introduction to data science and topics in statistical and exploratory analysis, data wrangling and your choice of elective.

Monash Online[5]

0.7 years part-time

February and July
(Six teaching periods per year, students take one unit each teaching period – equivalent to half-time workloads)

Graduate Certificate of Applied Data Science

ENTRY REQUIREMENTS	Average requirements[2]	Duration (full-time in years)
Bachelor's degree (or equivalent) in a related field, OR an equivalent qualification approved by the faculty	Credit (60%)	0.7

KEY TOPICS

Core

- Introduction to databases
- Introduction to Python
- Mathematical foundations for data science and AI
- Introduction to data science.

To learn more about the Graduate Certificate of Applied Data Science, scan the QR code.
bit.ly/4a2alDf

BIOINFORMATICS

Harness your expertise in biology, computer science, mathematics and statistics to decode complex biological data, driving breakthroughs in genomics, drug discovery and beyond.

POTENTIAL CAREERS

AGRICULTURAL BIOINFORMATICS SCIENTIST

Use genomic and computational tools to improve crop yield, disease resistance, and sustainability in agricultural biotechnology firms.

PHARMACOGENOMICS SPECIALIST

Analyse genetic data to optimise drug development and personalise treatments for patients, working in biotech or pharmaceutical companies.

BIOINFORMATICS SCIENTIST

Develop algorithms and analyse biological data for discoveries in genomics, drug development and personalised medicine.

BIOINFORMATICS SOFTWARE DEVELOPER

Create and optimise tools and databases for processing large-scale biological data in biotech, pharma or healthcare companies.

BIOSTATISTICIAN

Design and analyse biological and clinical research studies to inform healthcare and biotech advancements.

CLINICAL BIOINFORMATICS ANALYST

Interpret genomic and biomedical data to support disease diagnosis, treatment planning, and precision medicine in hospitals and medical research centers.

MASTER OF BIOINFORMATICS

COURSE CODE: M6049 | **CRICOS CODE:** 116951M

Become a leader in the interdisciplinary field of bioinformatics, developing algorithms and software to analyse and interpret complex biological data.

Gain hands-on experience with cutting-edge bioinformatics tools while building a strong foundation in biostatistics, computational biology and genomics.

Tailor your studies by either conducting original research to tackle significant scientific challenges or deepening your expertise through advanced coursework and project management, preparing you for leadership roles in the industry.

Clayton

2 years full-time
4 years part-time[1]

February

Master of Bioinformatics
Managed by the Faculty of Medicine, Nursing and Health Sciences

ALTERNATE EXITS

- Graduate Diploma of Bioinformatics
- Graduate Certificate of Data Science

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in a cognate discipline, such as Science, Biomedical Science, Engineering or Information Technology	High Credit (60%)	1	2

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Data science for biologists
- Introduction to Python programming
- Molecular biology and the cell
- Introductory biostatistics
- Applied bioinformatics
- Sequencing technologies
- Genomics and its applications
- Research training: Critical thinking and communication skills
- Advanced transcriptomics: Bulk, single-cell ad spatial analysis
- Machine learning: AI for bioinformatics
- Research case studies in bioinformatics
- Programming principles for health data analytics using Python
- Bioinformatics research proposal OR High performance computing for bioinformatics.

Streams

- Research pathway
- Coursework pathway.

To learn more about the Master of Bioinformatics, scan the QR code.

bit.ly/4h0wFnD

BUSINESS INFORMATION SYSTEMS

Whether it's for day-to-day operations or strategic decision-making, information *drives* business. It's why systems that manage information are integral to organisations – as are specialists in the area.

POTENTIAL CAREERS

MANAGEMENT AND ORGANISATION ANALYST

Help businesses improve their performance, efficiency and overall success.

BUSINESS ANALYST

Consult different stakeholders to identify their business problems. Then gather, document and analyse their requirements to design a solution.

SYSTEMS ANALYST

Uncover areas for improvement within an organisation and design systems to bridge these gaps while training others to efficiently use the systems you develop.

IT MANAGER

Plan, coordinate and direct activities related to the computer and information systems of a company.

INFORMATION MANAGEMENT SPECIALIST

Create information architectures, develop content hierarchies to facilitate workflow and analyse and organise databases for ease of access.

IT CONSULTANT

Advise businesses on technology strategies, optimise systems, enhance security and implement solutions to improve efficiency and performance.

FACULTY OF IT GRADUATE COURSE GUIDE 2026

MASTER OF BUSINESS INFORMATION SYSTEMS

COURSE CODE: C6003 | **CRICOS CODE:** 079053A

Product design and management skills are critical in the era of low-code and no-code IT applications. What's more, integrating technology with business functions is a consistent challenge faced by organisations globally.

In this course, you'll explore the spectrum of IT functions within business. Begin with foundation units, ideal for those who don't come from a relevant background. Then expand your knowledge through more specialist studies before working on a team industry project or fascinating research initiative.

Clayton

1.5 or 2 years full-time
3 or 4 years part-time[1]

February and July

Master of Business Information Systems

ALTERNATE EXITS

- Graduate Diploma of Business Information Systems
- Graduate Certificate of Business Information Systems

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	1	2
Bachelor's degree (or equivalent) in a related field[4]	Credit (60%)	2	1.5

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Fundamentals of business information systems
- Information systems, analysis, design and systems thinking
- Introduction to databases
- Introduction to Python programming
- Project management
- IT research and innovation methods
- Responsible digitalisation
- Digital transformation, strategy and governance
- Advanced business information systems analysis and design
- Business intelligence and analytics.

Electives

- Evolutionary decision support
- Digital continuity
- Indigenous data sovereignty
- Enterprise applications and architecture.

To learn more about the Master of Business Information Systems, scan the QR code.

bit.ly/3VxtXuH



GAINED PRACTICAL SKILLS THAT ARE HIGHLY IN DEMAND

"I've had a fantastic study experience at Monash and I love how the concepts are delivered practically. I've gained practical skills that are highly in demand, opening a door of endless possibilities for me."

HARSHITA
Master of Business Information Systems

HEALTH DATA ANALYTICS

With rewarding careers flourishing, there is no better time to enter the burgeoning field of Health Data Analytics – the intersection of data, biostatistics and machine learning.

CAREER OUTLOOK

CLINICAL RESEARCH DATA ANALYST

Analyses and interprets clinical research data, ensuring data accuracy and integrity. Works closely with research teams to identify trends, develop insights and support decision-making.

HEALTHCARE DATA SCIENTIST

Uses advanced analytics and machine learning techniques to derive insights from healthcare data. Develops predictive models and algorithms to improve patient outcomes, optimise operational efficiency and drive innovation in healthcare delivery.

POPULATION HEALTH DATA ANALYST

Examines population health data to identify patterns and trends in disease prevalence, use of healthcare services and other factors. Collaborates with healthcare professionals to develop targeted interventions and strategies for improving overall population health.

HEALTH INFORMATION DATA ANALYST

Collects, analyses and interprets health information data from various sources, such as electronic health records and medical claims. Ensures data quality, security and privacy while supporting decision-making and planning.

RESEARCH DATA SCIENTIST IN HEALTH

Applies data science methodologies to health research projects, leveraging advanced statistical and computational techniques to extract insights from large datasets. Partners with researchers and healthcare professionals to drive novel discoveries and improve healthcare outcomes.

This course also opens graduates up to more general data roles in government, research and academia – and in industries including private health insurers, public and private health service providers, and medical technology development.

1. Only available to a limited number of students based on WAM.
2. Part-time study may be available to international students studying onshore in Australia who hold specific visa categories. Please check your visa for confirmation.
3. In equivalent Monash University Grading Scale Terms, a 100% scale where 50% is a pass. Your prior qualification/s must be accredited to the equivalent Australian level specified in the eligibility requirements table..

MASTER OF HEALTH DATA ANALYTICS

COURSE CODE: M6036 | **CRICOS CODE:** 106844H

Taught by globally-renowned academics across three faculties, this interdisciplinary course will equip you to conceptualise and execute innovative data analytics initiatives.

You'll gain a thorough grounding in key biostatistical and epidemiological principles, programming, data visualisation, statistical models, machine learning, health systems and health service operations – as well as the ability to identify and analyse datasets effectively.

Towards the end of your degree, you'll undertake a capstone health data analytics project[1] or applied health data analytics group case study to cement your learnings.

Clayton

2 years full-time
4 years part-time[2]

February

Master of Health Data Analytics

Managed by the Faculty of Medicine, Nursing and Health Sciences

ALTERNATE EXITS

- Graduate Diploma of Health Data Analytics

ENTRY REQUIREMENTS	Average requirements[3]	Duration (full-time in years)
Bachelor's degree (or equivalent) in any field OR an equivalent qualification approved by the faculty	Credit (60%)	2

KEY TOPICS

Core

- Introduction to health data analytics
- Introduction to Python programming
- Mathematical foundations for biostatistics
- Introduction to data analysis
- Introductory epidemiology
- Principles of statistical inference
- Regression modelling for biostatistics 1
- Data wrangling
- Human health and disease processes
- Introduction to machine learning
- Professional practice development.

Streams

- Biostatistics stream (4 units)
- Machine learning stream (4 units)
- General stream (4 units).

To learn more about the Master of Health Data Analytics, scan the QR code.
bit.ly/3vuoASs

INFORMATION TECHNOLOGY

Technology underpins almost all disciplines around the world, including engineering, business, medicine, art and finance. This means professionals with IT expertise are always in high demand.

POTENTIAL CAREERS

SOFTWARE AND APPLICATIONS PROGRAMMER

Develop software solutions that address business needs, improve productivity and enhance user experiences across various industries and domains.

SOFTWARE ENGINEER

Use your knowledge of engineering principles and computer science to build different types of software products and run network control systems.

ICT MANAGER

Drive digital transformation initiatives – including leveraging technology to improve operational efficiency and enhance customer experience – to boost business growth.

APP DEVELOPER

Create, test and program apps for computers, mobile phones and other devices.

SOLUTIONS ARCHITECT

Translate business needs into frameworks for solutions, and then explain them to relevant stakeholders.

CHIEF TECHNOLOGY OFFICER

Examine the short- and long-term needs of an organisation and then invest capital into the right technology, policies and procedures.

FACULTY OF IT GRADUATE COURSE GUIDE 2026

MASTER OF INFORMATION TECHNOLOGY

COURSE CODE: C6001 | **CRICOS CODE:** 079055K

This master's degree provides you with the knowledge, skills and experience to solve real challenges using the latest technology. It includes preparatory units to create a foundation for the rest of the degree, meaning you don't need a background in the field.

You'll also complete either an industry experience project while supported by a driven business mentor or take the lead on a research project – a step towards a PhD.

Clayton

1.5 or 2 years full-time
3 or 4 years part-time[1]

February and July

Master of Information Technology

ALTERNATE EXITS

- Graduate Diploma of Information Technology
- Graduate Certificate of Information Technology

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	1	2
Bachelor's degree (or equivalent) in a related field[4]	Credit (60%)	2	1.5

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Programming foundations in Java
- Introduction to databases
- Introduction to Python programming
- Introduction to computer architecture and networks
- Internet applications development
- Mobile and distributed computing systems
- Project management
- IT research and innovation methods
- Software engineering
- Advanced database technology.

Electives

- User interface design and usability
- System validation and verification, quality and standards
- Cloud computing and security.

To learn more about the Master of Information Technology, scan the QR code.

bit.ly/4co1SMr



GAIN LIFE-CHANGING SKILLS

"Studying IT cultivates algorithmic and systematic thinking, fostering a pragmatic and analytic approach to problem-solving. These skills, especially coding, are invaluable in both the workforce and everyday life."

PREM

Master of Information Technology

COMPUTER SCIENCE

Armed with advanced computer science knowledge as well as specialist expertise in artificial intelligence, software engineering or cybersecurity, be ready to take on new challenges and expand your professional prospects.

POTENTIAL CAREERS

SOFTWARE AND APPLICATIONS PROGRAMMER

Develop software solutions that address business needs, improve productivity and enhance user experiences across various industries and domains.

SOFTWARE ENGINEER

Blend knowledge in programming languages, development and operating systems with engineering principles to create customised software such as mobile applications, security tools and more.

ICT MANAGERS

Drive digital transformation initiatives – including leveraging technology to improve operational efficiency and enhance customer experience – to boost business growth.

SOFTWARE DEVELOPER

Build software that enables users to perform specific tasks on devices such as phones, computers and tablets.

CYBERSECURITY SPECIALIST

Safeguard sensitive information, maintain the integrity and availability of IT systems, and protect organisations from cyber attacks.

AI SPECIALIST

Leverage expertise with AI technologies and platforms to solve pressing organisational problems by building services, conducting image recognition, driving natural language processing and more.

FACULTY OF IT GRADUATE COURSE GUIDE 2026

MASTER OF COMPUTER SCIENCE

COURSE CODE: C6008 | **CRICOS CODE:** 085349A

This online master's degree is a broad-based course designed by award-winning, internationally-recognised tech pioneers.

You'll gain key foundational knowledge in algorithms, programming, architecture and networks, databases and more. Then, be introduced to three top emerging disciplines – artificial intelligence, software engineering and cybersecurity, one of which you can specialise in. Finally, back all this practical theoretical knowledge with a portfolio of real-world applications and esteemed accreditations.

Monash Online[1]

0.7 1.4 or 2 years part-time

January, March, May, July, August and October

Master of Computer Science (Artificial Intelligence)
Master of Computer Science (Cybersecurity)
Master of Computer Science (Software Engineering)

ALTERNATE EXITS

- Graduate Diploma of Computer Science
- Graduate Certificate of Computer Science

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in a related field[4], OR equivalent approved by the faculty	Credit (60%)	1[5]	2
Monash University Graduate Certificate of Computer Science	Credit (60%)	2	1.4
Monash University Graduate Diploma of Computer Science	Credit (60%)	3	0.7

Note: Students eligible for credit for prior studies may not elect to receive the credit and complete one of the higher credit-point courses

KEY TOPICS

Core

- Programming Foundations in Java
- Introduction to databases
- Introduction to Python
- Introduction to computer architecture and networks
- Internet applications development
- Mobile and distributed computing systems
- Project management
- IT research and innovation methods
- Software engineering
- Advanced database technology.

Electives

- User interface design and usability
- System validation and verification, quality and standards
- Cloud computing and security.

To learn more about the Master of Computer Science, scan the QR code.
bit.ly/4a64g92

GRADUATE DIPLOMA OF COMPUTER SCIENCE

COURSE CODE: C5008

This flexible online course will equip you with skills to use emerging technologies and address challenges that many industries currently face.

First, build on your existing computer science knowledge and then specialise to gain graduate-level expertise that will enable you to seize greater, more diverse career opportunities while making a bigger impact in the workforce.

Successfully completing this diploma means you could also fast-track the Master of Computer Science.

Monash Online[1]

0.7 or 1.4 years part-time

January, March, May, July, August and October
(Six teaching periods per year, students take one unit each teaching period – equivalent to half-time workloads)

Graduate Diploma of Computer Science

ALTERNATE EXITS

- Graduate Certificate of Computer Science

ENTRY REQUIREMENTS	Average requirements[2]	Entry level	Duration[3] (full-time in years)
Bachelor's degree (or equivalent) in a related field[4], OR equivalent approved by the faculty	Credit (60%)	1[5]	1.4
Monash University Graduate Certificate of Computer Science	Credit (60%)	2	0.7

KEY TOPICS

Core

- Architecture and networks
- Introduction to databases
- Foundations of computing
- Fundamentals of artificial intelligence
- Software engineering
- Information and computer security.

Electives

- Java programming
- Introduction to Python

+ One specialisation unit from either the Software Engineering, Artificial Intelligence or Cybersecurity stream.

To learn more about the Graduate Diploma of Computer Science, scan the QR code.
bit.ly/3PwFvuh

GRADUATE CERTIFICATE OF COMPUTER SCIENCE

COURSE CODE: C4009

A digital future demands strong technical skills. This graduate certificate will build on your existing knowledge and professional experience in any field, developing your expertise in the core principles of computer science.

Monash Online[6]

0.7 years part-time

January, March, May, July, August and October

Graduate Certificate of Computer Science

ENTRY REQUIREMENTS	Average requirements[2]	Duration (full-time in years)
Bachelor's degree (or equivalent) in any field	Credit (60%)	0.7

KEY TOPICS

Core

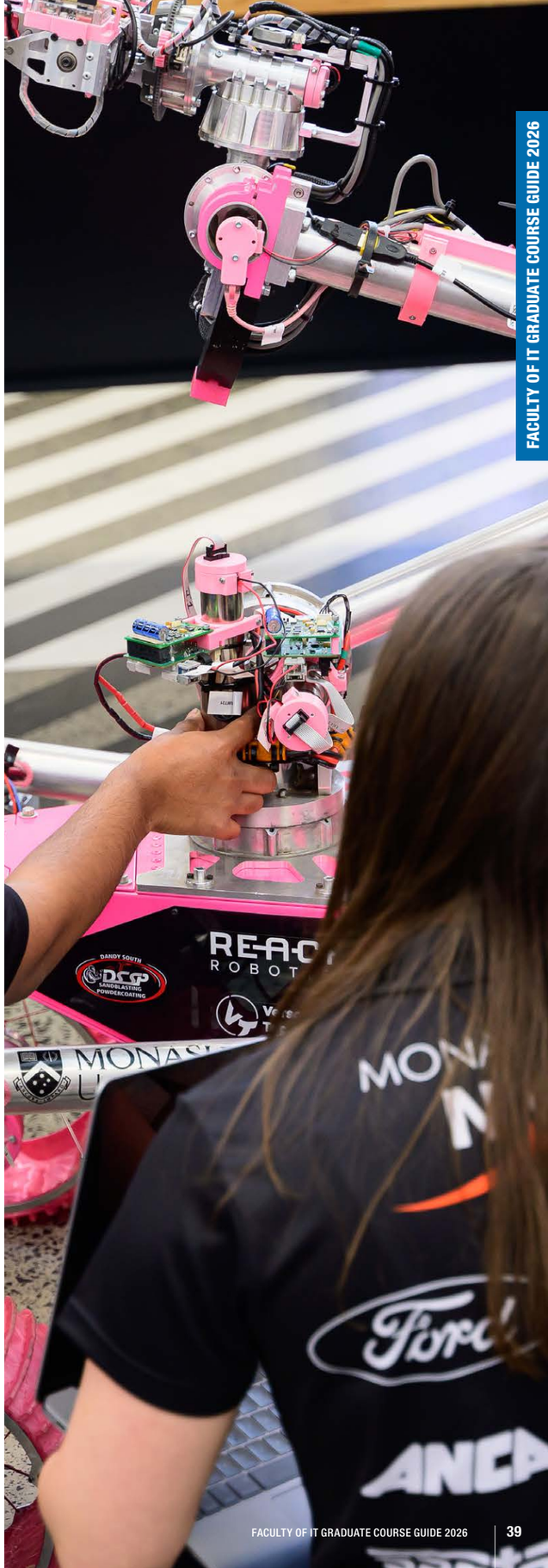
- Architecture and networks
- Introduction to databases
- Introduction to Python.

Electives

- Java programming
- Introduction to Python.

To learn more about the Graduate Certificate of Computer Science, scan the QR code.
bit.ly/3PsQ7us

1. This course is not available to international students who are holders of an Australian student visa, for study onshore in Australia. However holders of some other categories of Australian visas living in Australia, and students studying online and living outside of Australia, may be eligible for this course.
2. In equivalent Monash University grading scale terms, a 100% scale where 50% is a pass. Your prior qualification/s must be accredited to the equivalent Australian level specified in the eligibility requirements table.
3. Even if you're eligible for a shorter course duration, you may elect to complete the longer duration.
4. Related fields include any degree in a STEM discipline, or degrees that have mathematics, business analytics, scientific or critical thinking, or problem-solving.
5. For entry level 1, to undertake the artificial intelligence specialisation you must have knowledge of calculus and linear algebra at the level of undergraduate physical science or engineering.
6. This is a Monash Online course and is available to domestic students, international students living and studying offshore, and holders of an Australia temporary visa (other than a student visa) that has a full study entitlement. This online offering is NOT available to international students currently in Australia on a student visa.



ENGLISH LANGUAGE ENTRY REQUIREMENTS

English language entry requirements can be met in one of the following ways:

1. LANGUAGE OF INSTRUCTION

You can meet the English entry requirements if you've completed studies at an institution where English is the language of instruction, communication and assessment for all aspects of study for the whole of the educational institution.

Alternatively you can satisfactorily complete half a year of full-time study (equivalent to 24 Monash-credit points) at Australian VET Diploma (AQF level 5) or higher (or equivalent) within three years prior to the Monash course commencement date (other time limitation periods may apply).

You may be required to submit documentary evidence in the form of an official letter from the institution at which the study was completed. This document must be written and signed by the institution's registrar (or other authorised person) of the education institution to the satisfaction of the Monash University Academic Board.

2. ENGLISH TEST

If you have not met English entry requirements as outlined above, Monash accepts the following English tests as satisfying English entry requirements for courses with minimum English language requirements, provided it has been completed within three years of the Monash course commencing date:

Test	Results required
IELTS (Academic)	• An overall score of 6.5 OR higher • No individual band scores less than 6.0.
TOEFL paper-based	• A minimum test score of 550 • A Test of Written English (TWE) score of 4.5 OR higher.
TOEFL Internet-based	• A minimum test score of 79 • An overall score of 21 or higher in the written section • Scores of no less than 12 in listening, 13 in reading and 18 in speaking.
P TOEFL Internet-based	• An overall score of 58 • No communicative skills score below 50.
The Cambridge English	• Proficiency (CPE): An overall score of 176 with no skill score below 169, OR • Advanced (CAE): An overall score of 176 with no skill score below 169.

Other English tests may also be accepted and are assessed when you apply to Monash. If you have completed several measures of English proficiency over a period of time, the highest valid measure will be accepted as long as it has been taken within the time limitations as specified above.

Monash University reserves the right to ask students to undertake a Monash-approved English test to meet English course requirements.

For more information regarding English entry requirements, refer to the Admission to Coursework Courses and Units Procedures available at:
https://publicpolicydms.monash.edu/Monash/documents/1935750

Please note that all entry requirements for Monash University are subject to change.

3. MONASH UNIVERSITY ENGLISH LANGUAGE CENTRE

If your English test does not meet the Monash University courses English requirements for direct entry, you may want to consider completing an English program offered at Monash University English Language Centre.

For more information visit:
monashcollege.edu.au/courses/english

HOW TO APPLY

DOMESTIC STUDENTS

You're considered a domestic student if you're an Australian or New Zealand citizen, or Australian permanent resident (including a holder of an Australian permanent humanitarian visa).

To apply for an IT graduate course or learn more about the process, scan the code at the bottom of this page.

INTERNATIONAL STUDENTS

Before you apply, please make sure you meet all the Monash minimum entry requirements – including academic, English language and selection criteria. Your application must include original or certified academic documentation, including academic transcripts, graduation certificates and grading scales (indicating the pass mark and graduation requirements if applicable).

International students can apply online or through a Monash agent.

Through the QR code you can learn about application open and close dates, and apply for a course.
bit.ly/4ayWoNA

IT RESEARCH AT MONASH

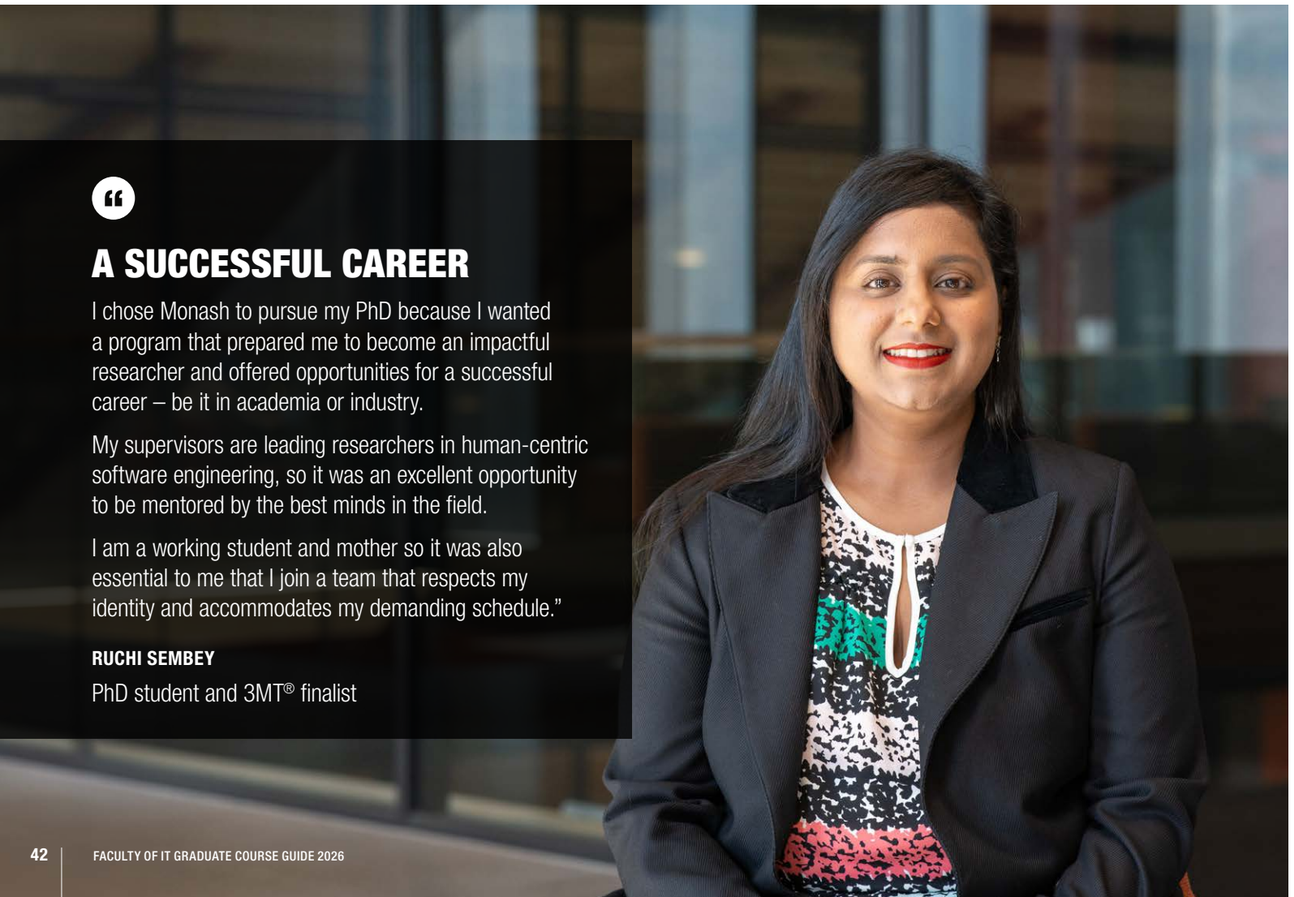
We're home to researchers who stand at the forefront of innovation in data science, cybersecurity, artificial intelligence and other IT fields. As a Monash graduate researcher, you'll work with the brightest minds to enhance your research potential – and shape the future of our world.

MEET PHD STUDENT RUTH NAGASSA

Scan the QR code to discover how Ruth switched from medicine to IT for her PhD – and her research supporting people who are blind or have low vision.

bit.ly/43vlUPT





A SUCCESSFUL CAREER

I chose Monash to pursue my PhD because I wanted a program that prepared me to become an impactful researcher and offered opportunities for a successful career – be it in academia or industry.

My supervisors are leading researchers in human-centric software engineering, so it was an excellent opportunity to be mentored by the best minds in the field.

I am a working student and mother so it was also essential to me that I join a team that respects my identity and accommodates my demanding schedule."

RUCHI SEMBEY

PhD student and 3MT® finalist

PATHWAYS INTO RESEARCH DEGREES

Don't meet the entry requirements for a research degree? Then explore our other coursework programs that can act as alternative pathways.

These courses include an option to undertake a significant research component, providing another route for admission – subject to academic performance.

Learn more:
bit.ly/38Tfbnh

APPLY FOR A PHD

Supervisor Connect is where you can find cutting-edge initiatives or a leading researcher to oversee your project. With four scholarship rounds in a year, apply to join our world-class research community.

bit.ly/3TL9Ho9

ENGLISH LANGUAGE PATHWAY AND CONDITIONAL AND PACKAGED OFFERS

Normally, all graduate research applicants must meet Monash University's English Language Proficiency (ELP) requirements.

If you don't meet the ELP requirements but demonstrate a capacity to conduct significant research, we may make a conditional offer.

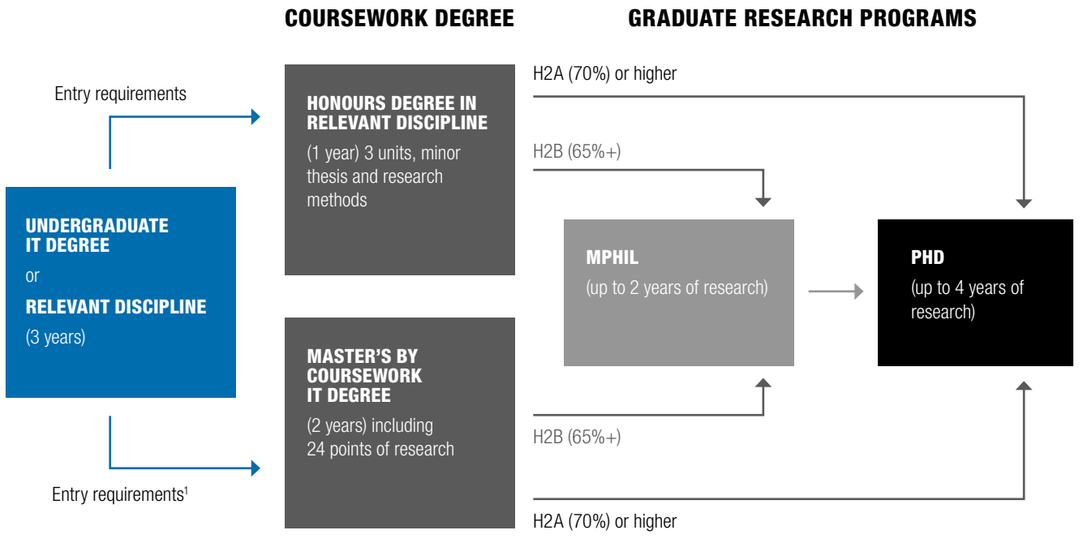
This requires you to undertake the Monash English Bridging program for graduate degrees and higher degrees of research at Monash College.

These courses include an option to undertake a significant research component, providing another route for admission – subject to academic performance.

Learn more:
bit.ly/3VuD9jl

STANDARD GRADUATE RESEARCH DEGREE PATHWAYS

Durations shown are based on a full-time study load.



1. Course duration varies according to specific qualification.

GRADUATE RESEARCH PROGRAMS

Want to join a world-class research community? Looking for a leading specialist to oversee your project? With intakes open all year long, our graduate research programs allow you to delve deep into an IT area of interest.

DOCTOR OF PHILOSOPHY (PHD)

This PhD is a supervised program involving a major research project on a topic of your interest. To be awarded this degree, external examiners must believe your thesis:

- is an original contribution to the discipline you choose
- demonstrates your ability to perform independent research.

As part of this PhD, you'll undertake opportunities under the Monash Doctoral Program. Supervised by at least two highly-recognised researchers, you'll break new ground in a specialist area while expanding your research capabilities.

You can also choose to undertake a PhD by Exegesis and Project Demonstration or Exhibition as an alternate type of PhD examination instead of PhD examination by standard thesis.

MASTER OF PHILOSOPHY (MPHIL)

In the MPhil, you'll be supervised by at least two leading academics as you complete a major research project on a topic of your choice.

To earn this degree, external examiners must declare that your thesis:

- significantly contributes to knowledge in your chosen discipline
- demonstrates your ability to perform independent research.

Unlike a PhD, your MPhil thesis doesn't need to provide new knowledge to the discipline. However, you are expected to apply, clarify, critique or interpret existing knowledge as your contribution.

The length of your thesis should typically be fewer than 35,000 words.

PHD BY PRACTICE-BASED RESEARCH AND EXEGESIS

In this innovative PhD, you'll present a substantial amount of research through an immersive, interactive demonstration or exhibition that engages one or more of the senses.

Your research will typically be interdisciplinary, linking IT with another field such as health and medicine, urban planning, cultural heritage or design. Areas like creative robotics, 3D visualisation, simulation and animation, interactive media, wearable technologies and games are also suitable.

RESEARCH STUDENT ENQUIRIES

T: +61 9902 0945
E: fit-graduate.research@monash.edu

NEXT GENERATION GRADUATES PROGRAM

In partnership with CSIRO, we're developing job-ready graduates skilled in AI and emerging technologies. Through industry placements, you'll tackle real-world challenges while conducting cutting-edge research.

bit.ly/4azcJ4U

KEY EVENTS AND PROGRAMS

Build your network. Gain major insights. Find new opportunities.
Here are events and programs to help you prepare for university.

VICTORIAN CAREERS SHOW

The Victorian Careers Show gives you access to resources such as lecture and study skills programs, tutoring programs and more. Attend the event to learn more about Monash!

MEET THE MASTERS

Learn about IT graduate courses and hear from students and alumni about their journey.

CAMPUS TOURS

Explore our innovative IT precinct while chatting with a student or staff member.

OPEN DAY

A not-to-be-missed event, Monash Open Day is your chance to talk with current students, meet academics and speak to our Student Services team about your future.

You'll also be able to watch live demonstrations, tour our facilities and soak up the campus atmosphere.

INDIGENOUS FUTURES IN IT

For Indigenous Australians to engage with Indigenous PhD students and graduate research supervisors, discussing research pathways focused on protecting communities, culture and Country.

DISCOVER MORE
IT EVENTS

monash.edu/it/events

EXPERIENCE
CAMPUS

bit.ly/3TcIzg9

CHAT WITH AN
IT STUDENT

bit.ly/4lnjVa7

MONASH University

WEBSITE
monash.edu/it

FACEBOOK
MonashInfoTech

X
MonashInfoTech

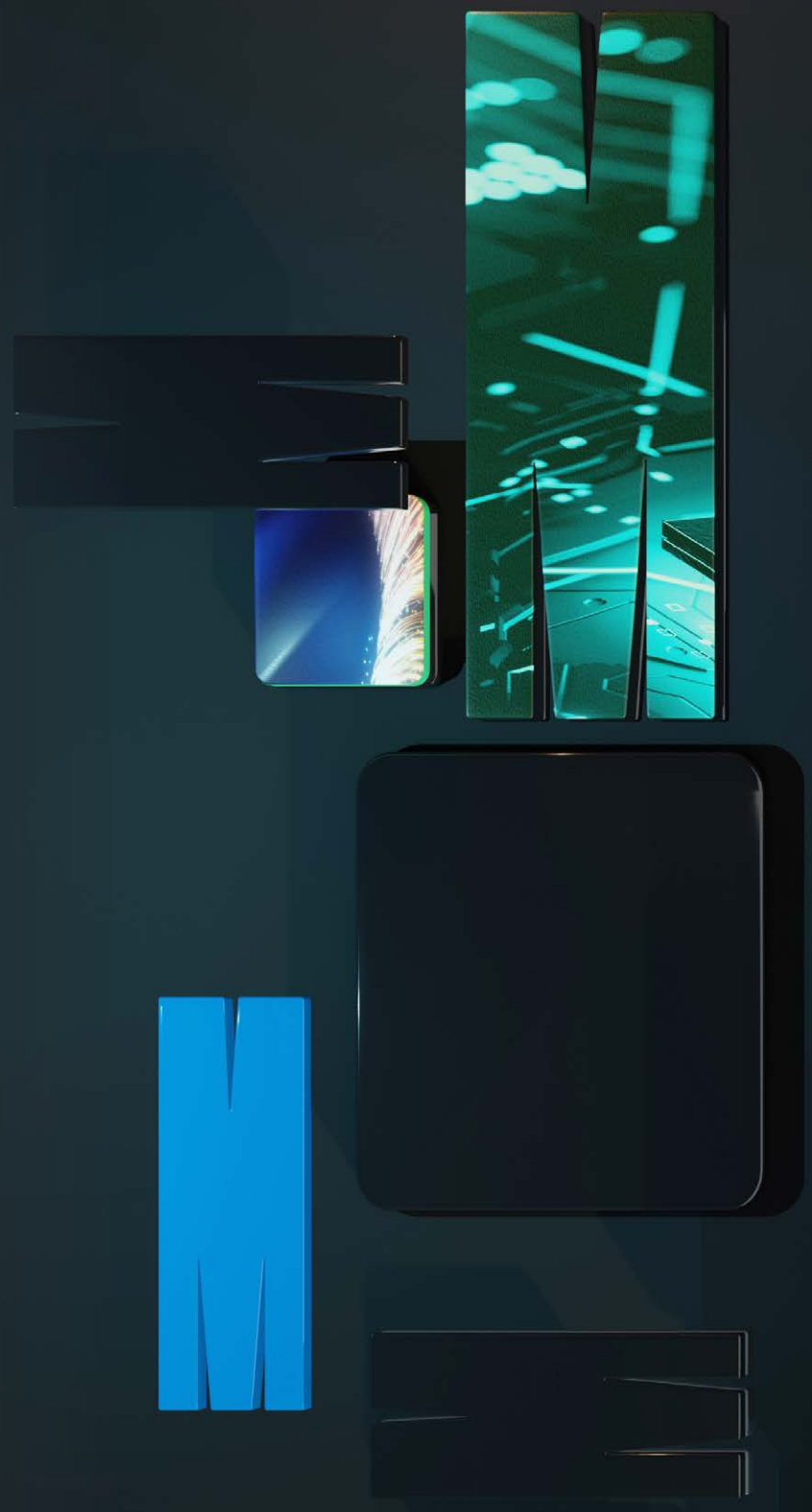
YOUTUBE
Monash Information Technology

LINKEDIN
Monash Information Technology

INSTAGRAM
monash_infotech

TIKTOK
monash_infotech

CHAT WITH AN IT STUDENT
monash.edu/it/future-students/chat



MONASH UNIVERSITY
monash.edu

FIND A COURSE
monash.edu/study

FUTURE STUDENT ENQUIRIES
Australian citizens, permanent residents and New Zealand citizens
T 1800 MONASH (666 274)
E future@monash.edu
monash.edu/study/contact-us

International students
T Australia freecall: 1800 MONASH (666 274)
T +61 3 9903 4788 (outside Australia)
E study@monash.edu

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