

MU

Murdoch University

Technology

UNDERGRADUATE COURSES 2022



Free your think



When you're

thinking for yourself

there's no limit
to what you
might achieve.

Acknowledgement of Country

Murdoch University acknowledges the Whadjuk people of the Noongar nation as the traditional custodians of this country and its waters and that Murdoch University stands on Noongar Country.

Murdoch University pays its respects to Noongar elders past and present and acknowledges their wisdom and advice in teaching and cultural knowledge activities.

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COURSES

INFORMATION TECHNOLOGY

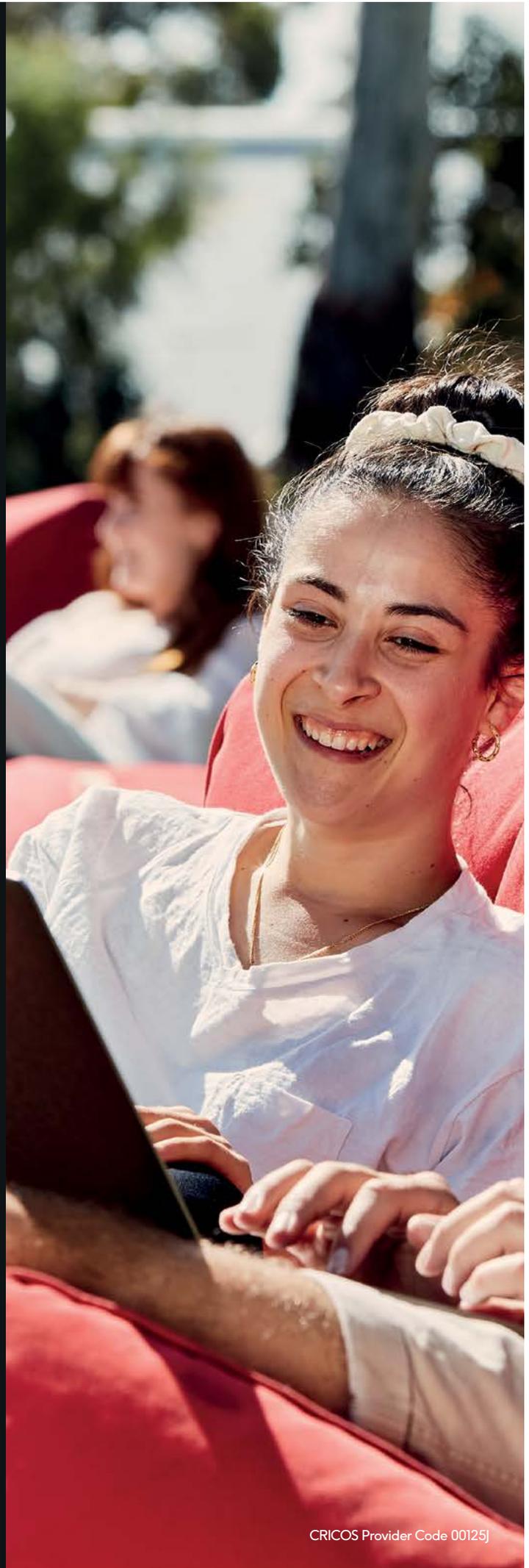
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INFORMATION TECHNOLOGY AND BUSINESS

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The Murdoch difference

Ask anyone who's studied here:
there's something special **about Murdoch.**

Murdoch is a place where you can be yourself and be appreciated for who you truly are. It's the kind of place where the lecturers know you by name, and down-to-earth students wave to you across the lawns of Bush Court. We are honoured to welcome staff and students who come from all walks of life.

Whether you want to change the whole world, some of the world, or just your world, our extensive range of courses and hands-on learning facilities will equip you with the skills you need. But the most important thing you'll learn here? To think freely, and to think for yourself.

We don't follow the crowd, and neither do our students. Thousands of free-thinking students have graduated from Murdoch and made their mark on the world. When you're thinking for yourself, there's no limit to what you might achieve.

Free thinking has always been at the heart of Murdoch and continues to steer us towards activities that truly matter. We're different, and we're proud of it.

**Welcome to our
vibrant community.**



5 star rating

for overall undergraduate experience,
student support and for teaching quality

GOOD UNIVERSITIES GUIDE 2021



#1 in social equity

in Western Australia

GOOD UNIVERSITIES GUIDE 2021

The best of **Technology**



GET INDUSTRY-READY IN OUR IT INNOVATION HUB

You'll have access to a new IT Innovation Hub, which is open 24/7 days to IT students to facilitate learning, training and research. It features a student common room known as the 'STAR lounge', cyber-security and networking labs and a mixed and augmented reality studio, also known as the MaARs room. It is equipped with the latest technologies for machine learning, virtual and augmented reality and cyber security and networking development.

As an IT student, you can utilise this hub for hands-on learning, as well as a space to work with other students from all IT specialisations. You'll have the freedom to get creative, collaborate and experiment, while building vital communication and teamwork skills. You'll also gain familiarity and practice in a high-performance computing environment, which will be highly valuable in the eyes of employers when you graduate.

TAKE ON REAL CLIENTS WITH PROJECT-BASED UNITS

Get a taste for your future career by completing an internship or a work placement through our dedicated Work Integrated Learning program.

Did you know that you could complete a professional practice project unit in your final year of your information technology degree? Work in a small team with other students and consult with real clients about business problems and recommend, develop and implement new technologies.

Our students have achieved great things through this unit, including developing technology that has made a real impact on peoples' lives and the world, creating virtual and augmented reality platforms that help

patients with burns to get moving again, and launching an online tool to allow medical experts to collaborate and treat patients in remote areas.

Some of these students even went on to work for their clients and be nominated for national and international awards.

DISCOVER THE NEW ESPORTS GAMING HUB

Esports is fast becoming a multi-billion dollar industry. Murdoch created its first esports program in 2020, becoming a leading university with our Esports Gaming Hub. The space is for competitive and casual play as well as an avenue for researchers to perform esports related studies.

GET CAREER-READY WITH A WESTPAC YOUNG TECHNOLOGISTS SCHOLARSHIP

The Westpac Young Technologists Scholarship can help you network with industry professionals and experience one-of-a-kind career opportunities before you graduate. If you're starting a tech-based undergraduate degree, you could be eligible for a scholarship worth up to \$5,000 per year of study from the Westpac Bicentennial Foundation.

Murdoch is one of five Australian universities to partner with the Westpac Bicentennial Foundation in its Westpac Young Technologists Scholarship Program, which is open to students who are passionate about the power of technology and innovation to shape a better future for Australia.

The Westpac Young Technologists Scholarship is open to school leavers who have graduated in the last year and are eager to explore positive change through technology.

For more information visit murdoch.edu.au/westpacscholarship



First in WA

Get competitive in our Esports Gaming Hub, the first of its kind on a university campus in WA



Growth industry

Strong future job growth is expected for database and systems administrators and ICT security, ICT support technicians and ICT business and systems analysts



Accredited

All Murdoch IT courses are accredited by the Australian Computer Society (ACS)

AUSTRALIAN GOVERNMENT JOB OUTLOOK 2020

FEATURED COURSE



Do you want to make a positive impact on society and help develop effective computing solutions?
Learn more about **Computer Science** on page 12.

Bachelor of Information Technology in Computer Science

Transform the way we live, work and communicate.

Do you have a passion for technology and want to be a part of an in-demand and continually growing industry?

Studying a Bachelor of Information Technology in Computer Science will allow you to make a real difference to the way society works, from programming and software architecture to machine learning and artificial intelligence.

You could also access great scholarships like the Westpac Young Technologists Scholarship Program, where Murdoch is the only partner institute in Western Australia.

Why study Computer Science at Murdoch?

- 1. Learn in state-of-the-art facilities.** Our IT Innovation Hub has the latest mixed and augmented reality equipment, operational data centre and high-performance computing capabilities.
- 2. Gain real-world, hands-on tech experience.** Learn how to develop innovative solutions to real-world problems and code them in our very own data centre.
- 3. Study an accredited course.** Our courses are accredited and developed in partnership with an industry advisory panel, made up of representatives from some of WA's biggest technology companies.

Information Technology

BACHELOR OF INFORMATION TECHNOLOGY

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- Push the boundaries of technology to work faster, smarter and more efficiently



Artificial Intelligence and Autonomous Systems

If you want to...

1. **Work with leading researchers and practitioners in exciting real-world AI projects.**
2. **Utilise VR/AR technology for multidimensional data visualisation and simulation.**
3. **Complete double majors with another IT major in Information Technology to broaden your computing skill set.**

As an Artificial Intelligence and Autonomous Systems student, you will...

- Explore artificial intelligence concepts, methods and systems used by the industry.
- Learn about artificial intelligence algorithms, software design, development and implementation.
- Create and apply artificial intelligence-based software systems to solve real-world problems.
- Take part in a professional practice project unit in the final year of your degree. This will include working in a team with other students and consulting with real clients to recommend, develop and implement new artificial intelligence technologies to solve real-world problems.

You'll learn

AI and autonomous systems theory and practice, AI system design theory, core concepts and principles of computing technology, data visualisation and simulation, machine learning, AI and intelligent agents and systems analysis and design.

Want to be recognised?

Application for accreditation by the Australian Computer Society will be undertaken.

Where it will take you

You will have exciting job prospects spanning across multiple industries. There is a large interest in and demand for skilled professionals in this area. Your future career options could include:

- Artificial Intelligence Programmer/Software Developer
- Artificial Intelligence Systems Analyst
- Artificial Intelligence Software Architect
- Data Scientist and Risk Analyst
- Cyber Security Expert

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSAI	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

If you want to...

1. **Make use of our brand-new IT Innovation Hub, fitted out with the latest mixed and augmented reality equipment, operational data centre and high-performance computing capabilities.**
2. **Take on real-world clients with project-based units.**
3. **Access great scholarships like the Westpac Young Technologists Scholarship Program.**

As a Business Information Systems student, you will...

- Learn how information is generated, communicated, stored and applied to a range of business activities.
- Gain the skills and knowledge needed to apply technical solutions to business problems, in addition to an understanding of information systems design, management and development.
- Develop project management, research, oral and written communication skills, ensuring you're ready to enter the job market.
- Take part in a professional practice project unit in the final year of your degree. This will include working in a team with other students and consulting with real clients to recommend, develop and implement new technologies to solve business problems.

You'll learn

Systems analysis, design and development, data communications, information systems management, business intelligence application development and enterprise architectures.

Want to be recognised?

This course is accredited at the professional level with the Australian Computer Society.

Where it will take you

You'll be prepared for a diverse range of career opportunities across information and technology sectors. Your future career options could include:

- Business Analyst
- Systems Analyst
- Database Administrator
- Project Manager
- Business Consultant

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSIS	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

Computer Science

If you want to...

1. **Take on real-world clients with project-based units.**
2. **Make use of our new IT Innovation Hub, fitted out with the latest mixed and augmented reality equipment, an operational data centre and high-performance computing capabilities.**
3. **Be part of a university whose research in artificial intelligence is ranked as world standard** (source: *Excellence in Research for Australia 2018*).

As a Computer Science student, you will...

- Explore the theory, methods and systems used by the computing industry.
- Learn about algorithms, software design, development and implementation, artificial intelligence and computer systems.
- Create and apply computer and software systems to solve real-world problems.
- Take part in a professional practice project unit in the final year of your degree. This will include working in a team with other students and consulting with real clients to recommend, develop and implement new technologies to solve business problems.

You'll learn

Systems analysis, design and development, programming, data structures and abstractions, software architectures, intelligent systems and artificial intelligence.

Want to be recognised?

This course is accredited at the professional level with the Australian Computer Society.

Where it will take you

You'll have the required skills for a diverse range of career opportunities across technology and business sectors. Your future career options could include:

- Artificial Intelligence Expert
- Programmer/Software Developer
- Systems Analyst
- Software Architect
- Computer Systems and Network Manager
- Data Scientist

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSCS	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

Cyber Security and Forensics

If you want to...

1. **Be part of the only university in Western Australia that is ranked as world standard in the field of networking and mobile technologies** (source: *Excellence in Research for Australia 2018*).
2. **Explore our Cyber Security and Networking Labs – a highly flexible collaborative laboratory space where you can learn all aspects of cyber security.**
3. **Choose between seven specifically designed IT majors that you can combine into double majors to broaden your skills and career opportunities.**

As a Cyber Security and Forensics student, you will...

- Learn the theoretical and practical aspects of different dimensions of cyber security.
- Forensically examine digital evidence, identify and respond to threats and information security incidents.
- Develop digital forensic and critical-thinking skills to solve computer crime.
- Take part in a professional practice project unit in your final year. This will include working in a team with other students and consulting with real clients to recommend, develop and implement new technologies to solve cyber security problems.

You'll learn

Security architectures and systems administration, information security policy and governance, systems analysis, design and development, server environments and architectures, cyber forensics and information technology and database management.

Want to be recognised?

This course is accredited at the professional level with the Australian Computer Society.

Where it will take you

You will be equipped with the skills you need for professional IT roles aimed at securing our digital future. Your future career options could include:

- IT Security and Risk Analyst/Consultant
- Cyber Security Analyst
- Ethical Hacker
- Network and Security Specialist
- Cyber Forensic Investigator

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSIF	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

Games Technology

If you want to...

1. Take your passion for gaming and turn it into a successful career.
2. Experience our new Mixed and Augmented Reality Studio—a 24/7 workspace you can use for programming and software development, including high-end extreme performance gaming workstations.
3. Go beyond the conventional notions of information technology, as you work on revolutionary ideas, concepts and technologies.

As a Games Technology student, you will...

- Gain the skills needed to work in both the international games industry and the information technology industry.
- Learn practical software engineering and programming skills required to design and build games, simulation engines and interactive visualisation software applications.
- Explore 3D software design and programming, artificial intelligence, game play and design, graphics programming, interactive virtual environments and multi-user games programming.
- Take part in a professional practice project unit in the final year of your degree. This includes working in a team with other students and consulting with real clients to recommend, develop and implement new technologies to solve business problems.

You'll learn

Computer graphics principles and programming, games design and programming, virtual environments for games and simulations, game development and artificial intelligence.

Want to be recognised?

This course is accredited at the professional level with the Australian Computer Society.

Where it will take you

You'll have the skills required for a range of gaming careers in Australia and overseas. Your future career options could include:

- Games Designer
- Games Programmer
- Software Engineer
- Systems Analyst or Programmer
- Artificial Intelligence Programmer

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSIT	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

Internetworking and Network Security

If you want to...

1. **Make the most of our Cyber Security and Networking Labs—a highly flexible collaborative laboratory space where you can gain practical experience with all aspects of cyber security.**
2. **Study a course that has been designed in consultation with industry so you can learn relevant skills in security, wired and wireless networks.**
3. **Be part of a rapidly growing industry where there is an ever-growing need for networking specialists with skills in security.**

As an Internetworking and Network Security student, you will...

- Develop in-depth knowledge and a range of practical skills required to design, implement, manage and keep secure computer networks.
- Learn the theoretical and practical aspects of different dimensions of network security.
- Learn about project management, research, oral and written communication skills.
- Take part in a professional practice project unit in the final year of your degree. This will include working in a team with other students and consulting with real clients to recommend, develop and implement new technologies to solve business problems.

You'll learn

Network security, systems analysis, design and development, server environments and architectures and wireless and interactive networks.

Want to be recognised?

This course is accredited at the professional level with the Australian Computer Society. You can also use this course towards achieving Cisco Certifications, which are internationally recognised and vital for roles such as Network Engineer or System Administrator and are considered very desirable by potential employers across a large range of enterprises.

Where it will take you

You'll have the skills required for a range of professional IT roles aimed at securing our digital future. Your future career options could include:

- Network Administrator
- Network Engineer
- Security Specialist
- Systems Administrator
- Systems Engineer

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY

TISC Code MUSIW	Course Code B1390
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Mathematics Applications

**Minimum Selection Rank required for consideration*

Information Technology and Business

If you want to...

1. Take advantage of this unique combination of business and technology.
2. Study at a university that is ranked number one in Australia for teaching quality and skills development in Computing and Information Systems (source: *The Good Universities Guide, 2019*).
3. Take on real-world clients and project-based units.

As an Information Technology and Business student, you will...

- Study a unique course provides you with both high-level technology skills and an understanding of the business world.
- Learn to design innovative analysis systems and strategies in the government sector, in established and emerging businesses, in consultancies, and in the not-for-profit sector.

You'll learn

Systems analysis, design and development, business intelligence and analytics, global marketing and strategic management, enterprise architectures and organisational theory and behaviour.

Where it will take you

You are likely to find yourself in demand in the government sector, in established and emerging businesses, in consultancies, and in the not-for-profit sector. Your future career options could include:

- ICT Manager
- Business Analyst
- Database and Systems Administrator
- Management and Organisational Analyst
- Research and Development Manager
- Contract Program and Project Administrator
- Health and Welfare Analyst/Manager

What you need to know...

BACHELOR OF INFORMATION TECHNOLOGY AND BUSINESS

TISC Code MUITB	Course Code B1375
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects N/A

**Minimum Selection Rank required for consideration*

Bachelor of Laws/ Bachelor of Information Technology

If you want to...

1. Study a degree that has been designed in collaboration with our industry advisors and clients.
2. Specialise in technology-related fields such as cyber-security, organisational systems design, application design and development or artificial intelligence (AI).
3. Benefit from our strong ties to the law and IT industry.

As a Law and Information Technology student you will...

- Take a hands-on approach to the law, develop strong real-life legal skills through our clinical program and develop your reasoning skills in our internationally recognised moot program.
- Practice law in a range of complex IT settings and have the opportunity to take part in project-based units and solve problems for real clients.
- Explore theory, methods and systems used in the IT industry and will acquire strong analytical, research, design and technology skills combined with a very strong understanding of software design and programming.

You'll learn

Australian legal system, legal and policy issues, frameworks and principles of law, ethical issues, abstraction and systems thinking and design and decision-making methodologies.

Want to be recognised?

The Bachelor of Laws (LLB) degree meets the educational requirements of the Legal Practice Board of Western Australia for admission as a practising lawyer. If you would like to become a practising lawyer, you can complete your practical legal training (known as PLT) on campus thanks to our partnerships with Leo Cussen and College of Law.

This degree is accredited by the Malaysian Bar Council and the Indian Bar Council.

Where it will take you

A law degree is the passport to a career in any industry, as well as being a required qualification for legal practice. IT is of fundamental importance and graduates with an IT qualification will continue to be highly employable in the future. Your future career options could include:

- Legal Practitioner (Solicitor and/or Barrister)
- Legal Analyst
- IT Specialist
- Cyber Security Analyst
- Data Analyst
- Business/Systems Analyst
- Software Architect
- Information Systems Manager
- AI Specialist
- Management

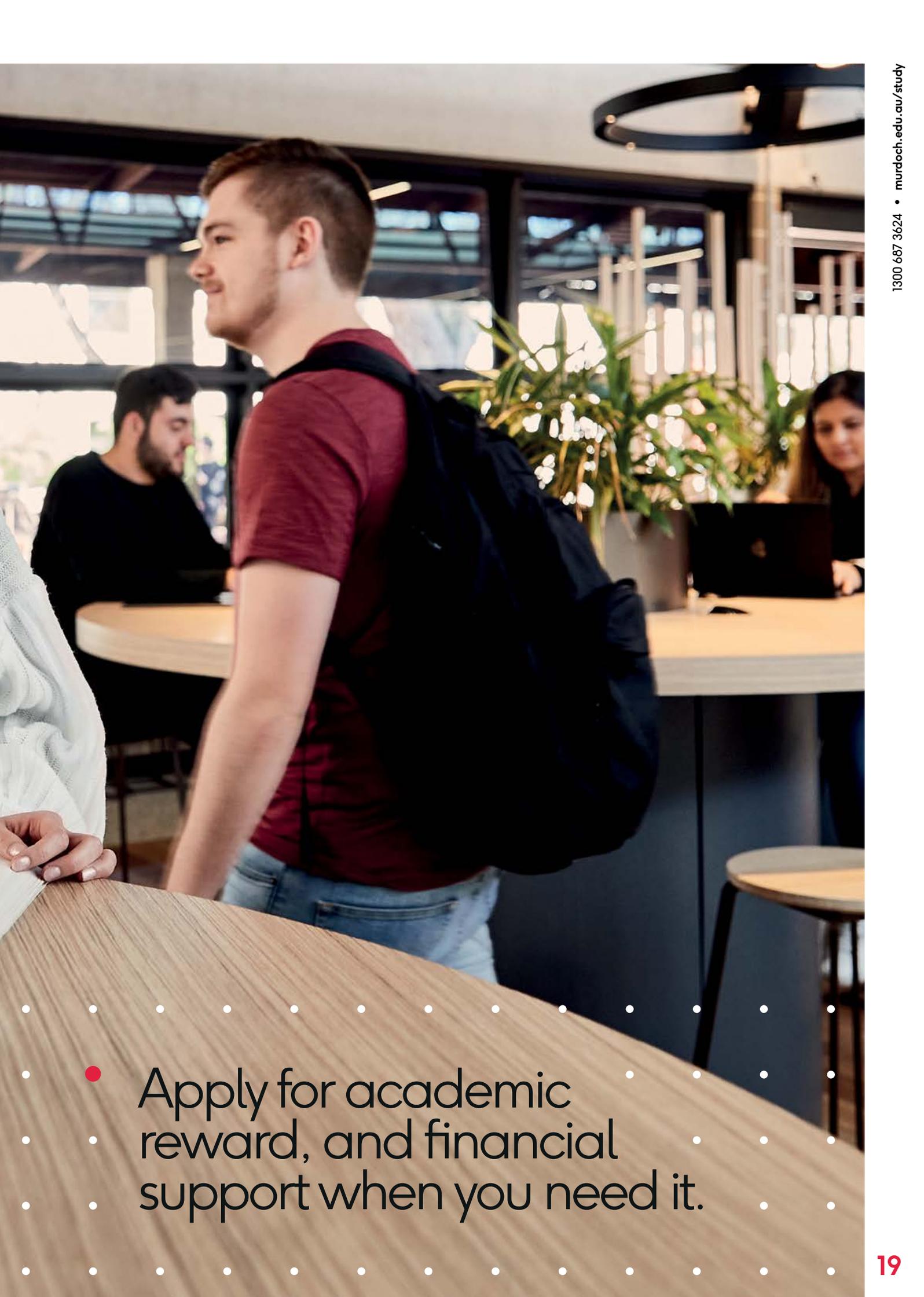
What you need to know...

TISC Code MULIT	Course Code B1398
Duration 5 years	Selection Rank* 90
Intake Semester 1 and 2	Recommended ATAR Subjects N/A

**Minimum Selection Rank required for consideration*



Scholarships



• Apply for academic reward, and financial support when you need it.

We're proud to offer over \$2.5 million in scholarships each year.

These not only reward high academic achievement, but also provide support to Indigenous students, students from regional or remote areas, and students who have faced personal or financial hardship. Based on your chosen course of study, there is also a range of study area specific scholarships on offer.

MURDOCH UNIVERSITY SCHOLARSHIPS (APPLICABLE TO A VARIETY OF COURSES)

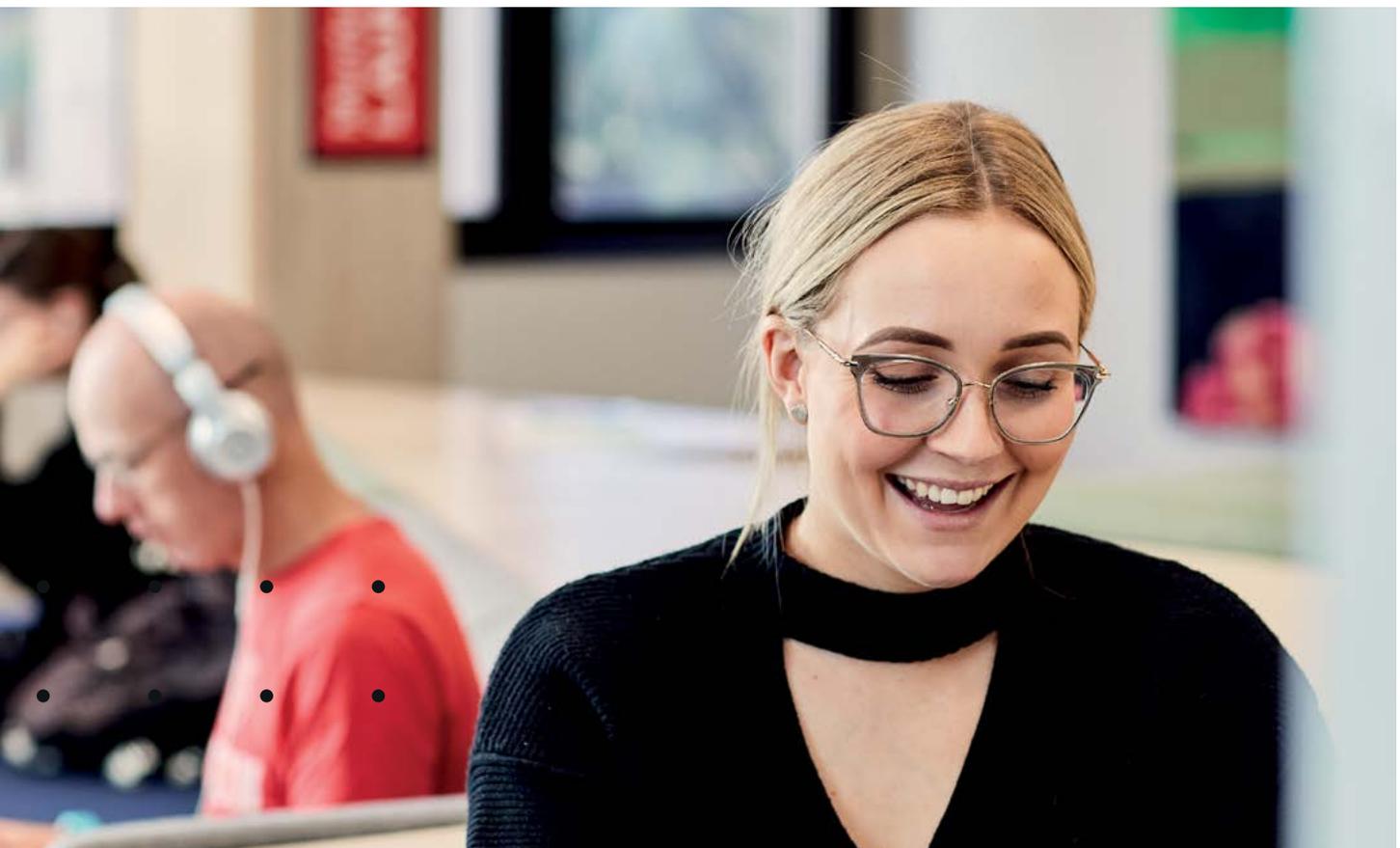
SCHOLARSHIP	TOTAL VALUE	ELIGIBILITY	COURSE
City of Mandurah Indigenous	\$12,000	To be eligible, you will need to be: <ul style="list-style-type: none"> of Aboriginal or Torres Strait Islander descent and an Australian citizen intending to enrol full-time in an undergraduate degree at Murdoch's Mandurah or Perth (South St) campus a current resident in the City of Mandurah experiencing circumstances of personal or financial hardship 	All undergraduate courses
City of Mandurah Scholarship	\$12,000	To be eligible, you will need to be: <ul style="list-style-type: none"> an Australian citizen or permanent resident enrolled full-time in an undergraduate degree at Murdoch's Mandurah or Perth (South St) campus a current resident of the City of Mandurah able to demonstrate high academic achievement 	All undergraduate courses
George Alexander Foundation	\$24,000	To be eligible, you will need to: <ul style="list-style-type: none"> have relocated from a rural or remote location to study internally (on campus) have achieved an ATAR of 80 or higher have selected Murdoch University as your first preference on TISC be able to demonstrate examples of personal leadership and/or contributions to the community 	All undergraduate courses
Kulbardi Success	Variable – paid fortnightly	To be eligible, you must be: <ul style="list-style-type: none"> an Aboriginal or Torres Strait Islander student enrolled or intending to enrol in the K-Track enabling course or an undergraduate course facing circumstances of personal or financial hardship 	All undergraduate courses
Murdoch Alumni Annual Appeal	\$3,000	To be eligible, you will need to: <ul style="list-style-type: none"> be enrolled in your second last or final year of undergraduate study have a good academic record with a distinction average or above 	All undergraduate courses
Murdoch Senate Bursary	\$3,000	To be eligible, you will need to be: <ul style="list-style-type: none"> an Australian citizen or permanent resident enrolled in your first undergraduate course at Murdoch facing financial and/or personal hardship 	All undergraduate courses
Ragdoll	\$12,000	To be eligible, you will need to be: <ul style="list-style-type: none"> enrolled full-time and commencing your first year of study experiencing circumstances of personal or financial hardship 	Bachelor of Business or Commerce, Bachelor of Science, Bachelor of Engineering, Bachelor of Criminology, Bachelor of Education, Bachelor of Laws, Bachelor of Nursing, Bachelor of Sport and Exercise Science
TAFE WA Rewards	\$3,000	To be eligible, you will need to be: <ul style="list-style-type: none"> completing, or have completed, a Diploma, Advanced Diploma or an Associate Degree 	All undergraduate courses

For more information about any of our scholarships, visit
goto.murdoch.edu.au/scholarships



MURDOCH UNIVERSITY SCHOLARSHIPS (APPLICABLE TO A VARIETY OF COURSES)

SCHOLARSHIP	TOTAL VALUE	ELIGIBILITY	COURSE
Tertiary Access Payment	\$5,000	<p>To be eligible, you will need to be:</p> <ul style="list-style-type: none"> from an outer-regional, remote or very remote area (use the Student Regional Area Search tool to check your eligibility) and relocating to study at Murdoch University and be at least 90 minutes one way by public transport from their family home undertaking eligible tertiary study in the year immediately following completion of Year 12 or equivalent (or the first available semester of their chosen course if the course has a mid-year, or later, start) studying face to face, or in dual delivery method, for at least part of the course enrolled in full-time study an Australian citizen, permanent resident (if Newly Arrived Resident's Waiting Period has been served), hold a permanent humanitarian visa or be a New Zealand citizen meeting Australian Residence rules under section 7 of the Social Security Act 1991 <p>The minimum age for a student to be eligible for the TAP is 16 years, unless an applicant is independent, in which case it is 15 years, and the maximum age is 22 years at time they commence their course, noting some students may have taken a break during their secondary studies for reasons outside of their control such as medical reasons or emergencies, or have completed their Year 12 qualification over multiple years.</p> <p>For more information visit servicesaustralia.gov.au/individuals/services/centrelink/tertiary-access-payment</p>	All undergraduate courses
Westpac Young Technologists Scholarship	\$15,000 plus attendance at the Westpac Networking Summit	<p>To be eligible, you will need to:</p> <ul style="list-style-type: none"> be an Australian citizen or permanent resident have completed Year 12 (or equivalent) and attain a minimum selection rank of 70 OR are progressing from a relevant vocational education program that meets entry requirements be commencing an undergraduate degree for the first time select an eligible Murdoch University course as your first preference on TISC <p>For a full list of eligibility requirements visit murdoch.edu.au/westpacscholarship</p>	<p>Any major within the Bachelor of Creative Media or Engineering, and most majors within the Bachelor of Science.</p> <p>For a full list of eligible courses visit murdoch.edu.au/westpacscholarship</p>



A global outlook



We want to change your world, literally. We'll encourage you to think for yourself and be curious about how the world works.

The world becomes your classroom when you join one of our 70 Study Abroad and Exchange programs across the globe.

Whether you spend a winter abroad in Europe or do a semester exchange in Asia, the opportunities are endless.

Best of all, your overseas study can count towards your degree, so you can see the world while completing your degree. This means that not only do you get to see the world while undertaking your Murdoch degree, but you'll also:

- Get a different perspective on your course
- Take classes that aren't available at Murdoch
- Learn a new language or improve on existing skills
- Add value to your resume and increase your employability
- Build an international network
- Become more confident, independent and mature
- Meet people from different cultures and make friends from around the world!

EXCHANGE PROGRAM

If you're looking to spend anywhere between a semester or a year overseas, our exchange program could be what you're looking for. You could choose from one of the destinations below:

- Austria
- Canada
- Croatia
- Czech Republic
- Denmark
- Germany
- Hong Kong
- Ireland
- Japan
- Malaysia
- Netherlands
- Spain
- Sweden
- United Kingdom
- USA

SHORT-TERM PROGRAMS

If you want to travel overseas while studying but only have a short amount of time, our short-term program might be best for you. With a short-term program, you can study one or two units with one of our overseas partners, usually during the summer or winter break. If you're looking for more hands-on learning, an international internship could give you real-world experience and boost your future career prospects. You could head to London, New York, Cambodia or Spain, to name just a few.

INTERNATIONAL STUDY TOURS

Like the short-term program, international study tours run over the summer or winter breaks. You could get valuable work experience while on tour with other students from your area of study.



“ The best part of my experience was being able to relax. I have always been a busy and active person, so the opportunity to have a semester to myself where I was away from my normal hectic life was exhilarating. I faced so many different experiences and challenges that I wouldn't have been able to achieve at home. ”

SIMRAN VIJAYAKUMAR STUDIED A DOUBLE MAJOR IN PHYSICS AND NANOTECHNOLOGY AND FINANCE AT KANSAI GADAI UNIVERSITY IN JAPAN.

For more information about studying overseas, or to find out more about our third-party provider programs, visit goto.murdoch.edu.au/studyabroad

Find your path

Enrolling into university is a big decision, especially if you are unsure whether you'll meet the admission requirements. The first thing you need to do is find out which of our admission pathways you are eligible for, and how they work.

WHAT ENTRY REQUIREMENTS WILL I NEED TO MEET TO STUDY AT MURDOCH?

To gain admission into an undergraduate course at Murdoch, you will need a Western Australian Certificate of Education (WACE), a selection rank of 70 or higher (depending on your chosen course) and you will need to meet our English Language Competency (ELC) requirements. There are multiple ways to demonstrate your ELC and achieve a selection rank of 70.

MEETING ACADEMIC AND ENGLISH LANGUAGE COMPETENCY (ELC) REQUIREMENTS

The most common ways for a domestic student to meet ELC requirements are:

- Two years of Year 11 and 12 or VET studied in Australia (or a combination of both), or
- A minimum scaled score of 50 or higher in ATAR English (or equivalent), or
- A score of 140 or higher in the Written English Component of the Special Tertiary Admission Test (STAT).

ACHIEVING A SELECTION RANK

A selection rank of 70 can be achieved by attaining a raw or adjusted ATAR of 70, completing an accredited Certificate IV or higher, achieving an International Baccalaureate (IB) score of 24 or higher, or by using a portfolio. You can also achieve a 70 selection rank by completing one of Murdoch's enabling courses. Some courses, like Engineering, Law and Veterinary Science have higher selection ranks, which can be achieved by higher ATAR or IB scores, higher level VET qualifications, or previous university study.

To find out more, visit murdoch.edu.au/courses

AM I ELIGIBLE FOR MURDOCH RISE?

At Murdoch we offer Murdoch RISE, a selection rank adjustment aimed at supporting access to university for students from regional, low socio-economic, or Aboriginal or Torres Strait Islander backgrounds. It can help you get into your preferred course by increasing your Murdoch selection rank. There's no need to register – if you're eligible, the adjustment factor is automatically added to your raw ATAR score when you apply to Murdoch.

To find out what schools and postcodes are eligible for the RISE adjustment, visit murdoch.edu.au/admissionpathways

WHAT DO I DO IF I DON'T MEET THE ENTRY REQUIREMENTS TO STUDY AT MURDOCH?

If you don't meet the entry requirements that's okay – we offer a range of pathways to study at Murdoch, including our range of enabling pathway courses. Our enabling pathway courses will help you transition to uni and boost your academic skills.

PORTFOLIO ENTRY PATHWAY

If you're ready to pursue your university goals but don't currently meet our standard admission requirements, our portfolio entry pathway could be the ideal option for you. If you're a school leaver, you can demonstrate your eligibility through your final Year 12 subject results and/or extra-curricular activities that relate to your desired course. All portfolio applicants need to demonstrate English Language Competency (ELC). Portfolio entry is also available to mature age applicants and may be suitable for those who can demonstrate skills and experience related to the area in which they would like to study.

ENABLING PATHWAY COURSES

We have a range of enabling courses available, taking into account your high school results, previous studies, and work and life experience. Our pathway courses will help you develop the skills you need to study at a university level. Upon successful completion, you'll be eligible to study most undergraduate courses with a selection rank of 70.

OnTrack

Our most popular enabling pathway course is OnTrack, a free 14-week course run at our Perth, Mandurah and Rockingham campuses.

OnTrack will provide you with a supportive adult learning environment in which you can develop effective study habits and learning strategies as well as the tuition needed to develop your academic skills to an undergraduate level. You will be given assistance to explore an undergraduate degree program that matches your aspirations and a network of peer and academic support at Murdoch University.

FlexiTrack

If you'd like to study a pathway course like OnTrack but can't commit to a full-time workload or would prefer to study online, then FlexiTrack may be the course for you.

With the same entry requirements and course content as OnTrack, FlexiTrack is our free online course for students who do not qualify for direct entry. The course can be studied intensively over 10 weeks, full-time over 20 weeks, or part-time over 12 months. With numerous intakes available, you could begin your studies in February, April, July, September or November.

OnTrack Sprint

If you don't quite get the ATAR results you need, OnTrack Sprint could be the right option for you. It's a free, intensive 4-week course which commences every year in January at our Perth campus.

OnTrack Sprint will help you to develop effective study habits and learning strategies and build your academic skills to an undergraduate level in a supportive environment. If you successfully complete this course you could apply to start one of our degrees in Semester 1, at the same time as your high school friends (excluding nursing).

To be eligible, you'll need a selection rank between 60 and 69.95 and have met English Language Competency (ELC) requirements within the last 18 months or have a selection rank of 70 or higher within the last 18 months and be unable to demonstrate ELC.

K-Track

K-Track is our free 14-week on-campus course designed to enable Aboriginal or Torres Strait Islander students to qualify for entry into an undergraduate degree. The course is tailored specifically for students who would not otherwise qualify for entry.

Through a series of units, you'll explore the concepts of communication, collaborative work practices and critical thinking. You will also be introduced to academic writing styles, referencing, essay writing and constructing arguments.

To find out more about our range of admission pathways, visit
murdoch.edu.au/pathways

“ My biggest achievement?
Being able to progress
my career really quickly due
to the skills I gained
at Murdoch. ”



Murdoch alumni

Growing up, I didn't know what I wanted to do with my life.

I took a leap of faith after high school and decided to go in the direction of IT as I always had a keen interest in technology and how it could be used to orchestrate a brighter world. Once I started studying, I quickly found my passion and I knew that IT would be my life-long career.

Soon after I graduated from Murdoch with a Bachelor of Science double majoring in Cyber Forensics, Information Security and Management and Internetworking and Security, I landed a role as a junior network engineer at a global satellite communications company owned by Panasonic Avionics. I'm incredibly grateful for my time there because I was able to travel and work with major organisations such as BHP, BP and Maersk. In under a year, I was promoted to a more senior position due to my work ethic and quality of work. I was on track to become a manager, but I wanted to pursue a career that aligned more closely with my interests.

I then landed a position with NEC Australia as a project network engineer and I worked on the \$23 million WA Health WAN contract. After proving my capabilities, I was promoted to team leader/manager of the network services team in Western Australia. My team and I work to deliver world-class technology solutions and services to Western Australian government agencies.

Recently I have worked on some interesting projects such as helping with the roll out of the 4G emergency COVID-19 fever clinic sites for the WA Police and the WA Health Department. It feels amazing to be able to use my technology skills, be creative, and to actually make a difference.

The mentors I had whilst studying at Murdoch taught me some amazing things I won't ever forget. My advice to the next generation of students is: don't be afraid to do things differently. Don't be afraid to challenge what's being done in the current market. And you do not have to just follow along with what other people are doing – do it your way.

ED NGUYEN

BACHELOR OF SCIENCE
(CYBER FORENSICS, INFORMATION
SECURITY AND MANAGEMENT, AND
INTERNETWORKING AND SECURITY)



Join us



Follow these six steps to begin your journey to Murdoch.

1. FIND A COURSE

Explore your options at murdoch.edu.au/courses

Don't forget to take note of the TISC code and course code as you'll need one of these codes for your application, depending on whether you apply through TISC or direct to Murdoch University.

2. CHECK THE ENTRY REQUIREMENTS

Entry to most of our courses is assessed on your selection rank, so it's important to check if you are eligible for direct entry, or if you will need to apply through another pathway.

Find out the entry requirements for your course at murdoch.edu.au/courses

Find out about Murdoch admission pathways at murdoch.edu.au/admissionpathways

3. EXPLORE SCHOLARSHIP OPTIONS

Explore all Murdoch scholarships and find out what you may be eligible for or head to goto.murdoch.edu.au/scholarships

4. GET A TASTE OF MURDOCH

We offer a range of events and information sessions throughout the year that will give you a taste of uni life at Murdoch.

Find out more at murdoch.edu.au/events

5. APPLY FOR A COURSE

To study at Murdoch, you will need to apply online through either myadmission.murdoch.edu.au or tisc.edu.au

For more information on which application to use please visit murdoch.edu.au/study/undergraduate-students/how-to-apply

6. RECEIVE YOUR OFFER

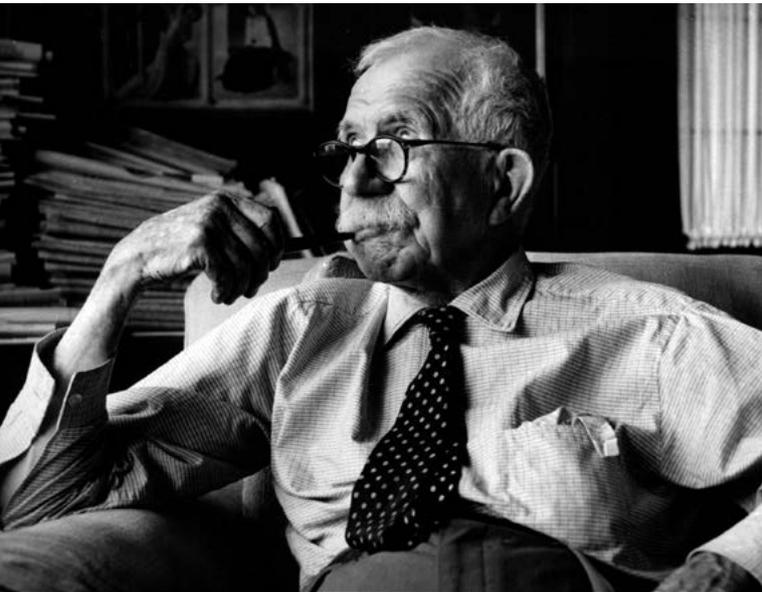
When you receive your offer, you'll be given instructions on how to accept your place and how to start your journey with Murdoch.



We look forward
to welcoming
you into our

free thinking

community



MEET MURDOCH

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KEY DATES FOR 2022

	SEMESTER 1	SEMESTER 2
Orientation Week	21 – 25 February	25 – 29 July
Semester Period	28 February – 3 June	1 August – 4 November
Exam Period	11 – 25 June	12 – 26 November

“The only education out of which good can come is the education which teaches you to think for yourself instead of swallowing whatever the fashion of the moment may prescribe.”

- SIR WALTER MURDOCH, OUR FOUNDING FATHER AND ORIGINAL FREE THINKER, 1926.

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