

MU

Murdoch University

Science

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.

Contents

The Murdoch difference	02
The best of Science	04
Featured course - Bachelor of Criminology/Bachelor of Science (Forensic Biology and Toxicology)	06
Courses	08-35
Scholarships	36
A global outlook	40
Study pathways	42
Meet our alumni	44
Join us	46

COURSES

CHIROPRACTIC SCIENCE AND CLINICAL CHIROPRACTIC

Chiropractic Science and Clinical Chiropractic	08
--	----

ENVIRONMENTAL AND CONSERVATION SCIENCES

Conservation and Wildlife Biology	12
Environmental Management and Sustainability	13
Environmental Science	14
Marine Biology	15
Marine Science	15

FOOD SCIENCE AND NUTRITION

Food Science and Nutrition	16
----------------------------	----

LABORATORY MEDICINE

Laboratory Medicine	17
---------------------	----

MEDICAL, MOLECULAR AND FORENSIC SCIENCES

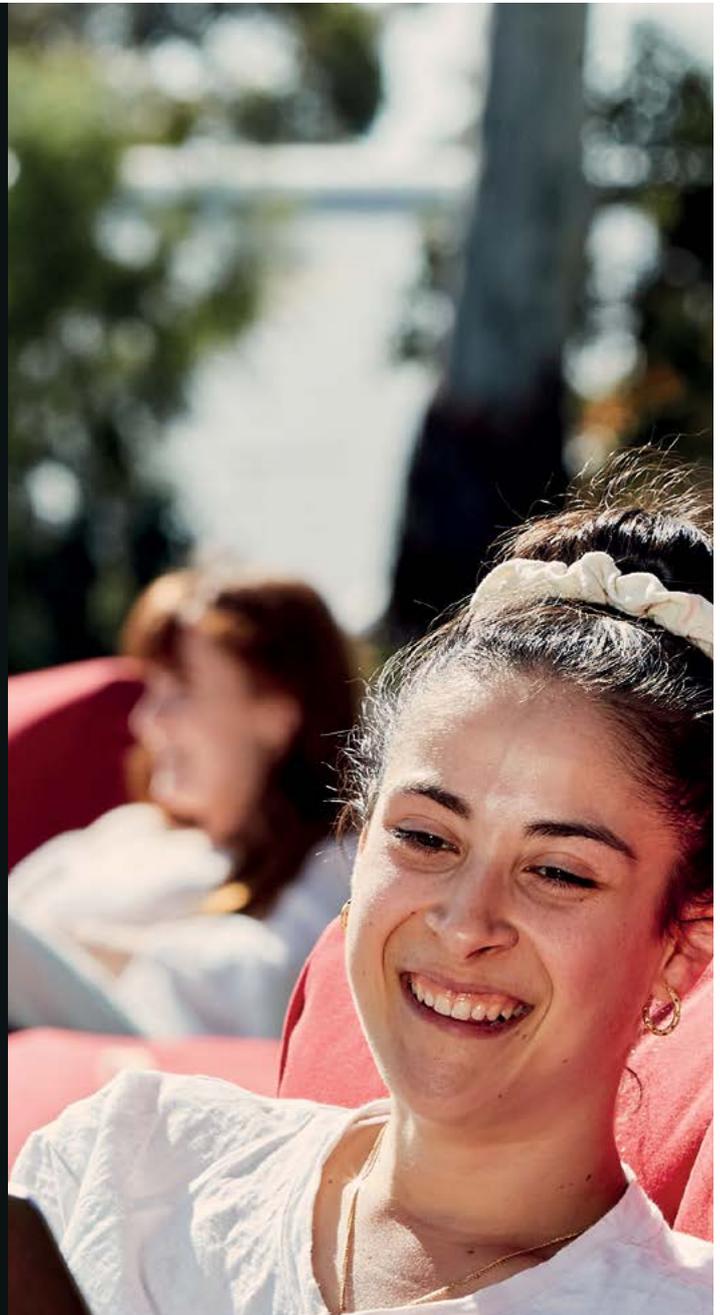
Biomedical Science	20
Clinical Laboratory Science	21
Forensic Biology and Toxicology	22
Genetics and Molecular Biology	23

VETERINARY AND AGRICULTURAL SCIENCES

Animal Health	26
Animal Science	27
Crop and Pasture Science	28
Veterinary Science	29

COMBINED DEGREES

Bachelor of Agricultural Science/ Bachelor of Business	32
Bachelor of Criminology/ Bachelor of Science (Forensic Biology and Toxicology)	33
Bachelor of Laws/Bachelor of Science	34
Bachelor of Laws/ Bachelor of Science (Psychology)	35





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 **Science**



5 star rating

for skills development
in Veterinary Science

GOOD UNIVERSITIES GUIDE 2021



Strong career growth

for medical technicians, pathology collectors,
medical laboratory technicians, environmental
scientists, agricultural scientists, veterinarians
and veterinary nurses

AUSTRALIAN GOVERNMENT JOB OUTLOOK 2020



Industry links

interact with researchers and scientists,
with strong industry links, from Murdoch's
world-class research centres

STUDY AT THE CENTRE OF HEALTH SCIENCE IN WA

As a Murdoch student, you'll learn in the heart of Perth's emerging health precinct where you'll undertake hands-on work experience.

You'll benefit from the strong partnerships we have with our neighbours, including the \$200 million Murdoch Health and Knowledge Precinct, Fiona Stanley and St John of God hospitals, the Institute for Immunology and Infectious Diseases, the Australian National Phenome Centre, the Ngangk Yira Research Centre, the Centre for Comparative Genomics and the Centre for Molecular Medicine and Innovative Therapeutics.

EXPERIENCE ON-CAMPUS 'NATURAL LABORATORIES'

Our campus is one of the largest in Australia, home to a diverse range of flora and fauna. This means your coursework will take advantage of our stunning 'natural laboratories' right here on campus. You'll get to combine textbook learnings with hands-on field practice experience across our conservation category wetlands and banksia woodland. You may also experience handling turtles, quendas, endangered Carnaby's and other black cockatoos, and more than 200 species of plants.

HAVE ACCESS TO UNIQUE MURDOCH FACILITIES

We are proud to say we are the only city-based university in Australia with a farm and animal production property that are designed for your practical classes, this is where you may find yourself managing soil sampling procedures, practising animal handling techniques or undertaking a crime scene investigation. We also have a veterinary teaching hospital, complete with an exotic animal clinic, cancer and dermatology clinics, a 24-hour emergency centre and an equine centre with operating theatres specially designed for horses. Whilst gaining technical, hands-on experience, you'll be overseen by our highly trained and experienced staff members.

DISCOVER INDUSTRY PARTNERSHIPS

Use our partnerships, across industry and government, to take your course learnings to the next level. From the Perth Zoo, animal shelters, the WA Department of Primary Industries and Regional Development to a wide range of farms and veterinary practices, both in Australia and internationally, there are plenty of opportunities to expand on your experience. You could even go global and take your learning overseas like our forensic biology and toxicology students did in 2019 when they were immersed in crime scene investigation on a trip to Malaysia. They observed an autopsy in a hospital morgue, learned more about the use of insects in solving crimes, took part in crime scene investigation simulations and explored mass disaster procedures in Malaysia.

LEARN FROM LEADING LECTURERS

Murdoch is a proud community that supports and leads a range of research institutes and centres that help make world-changing discoveries. These include the Harry Butler Institute, Health Futures and the Food Futures Institute. But we're also home to supportive academic and professional staff members who want you to succeed, build your personal networks and undertake research on your own terms. Our leading academics don't just challenge conventional wisdom and tackle some of the world's big issues – they're finding answers. You'll be part of this community, studying alongside our world-class researchers and beginning your personal research journey.

LEVERAGE OUR NEW FLEXILAB

We've recently completed construction of a new Flexilab – a multi-purpose teaching and preparatory laboratory designed to meet the changing needs of students and educators. The 375sqm innovative space transforms how science is taught as it integrates the gold standard of laboratory equipment with the latest imaging and audio technologies.

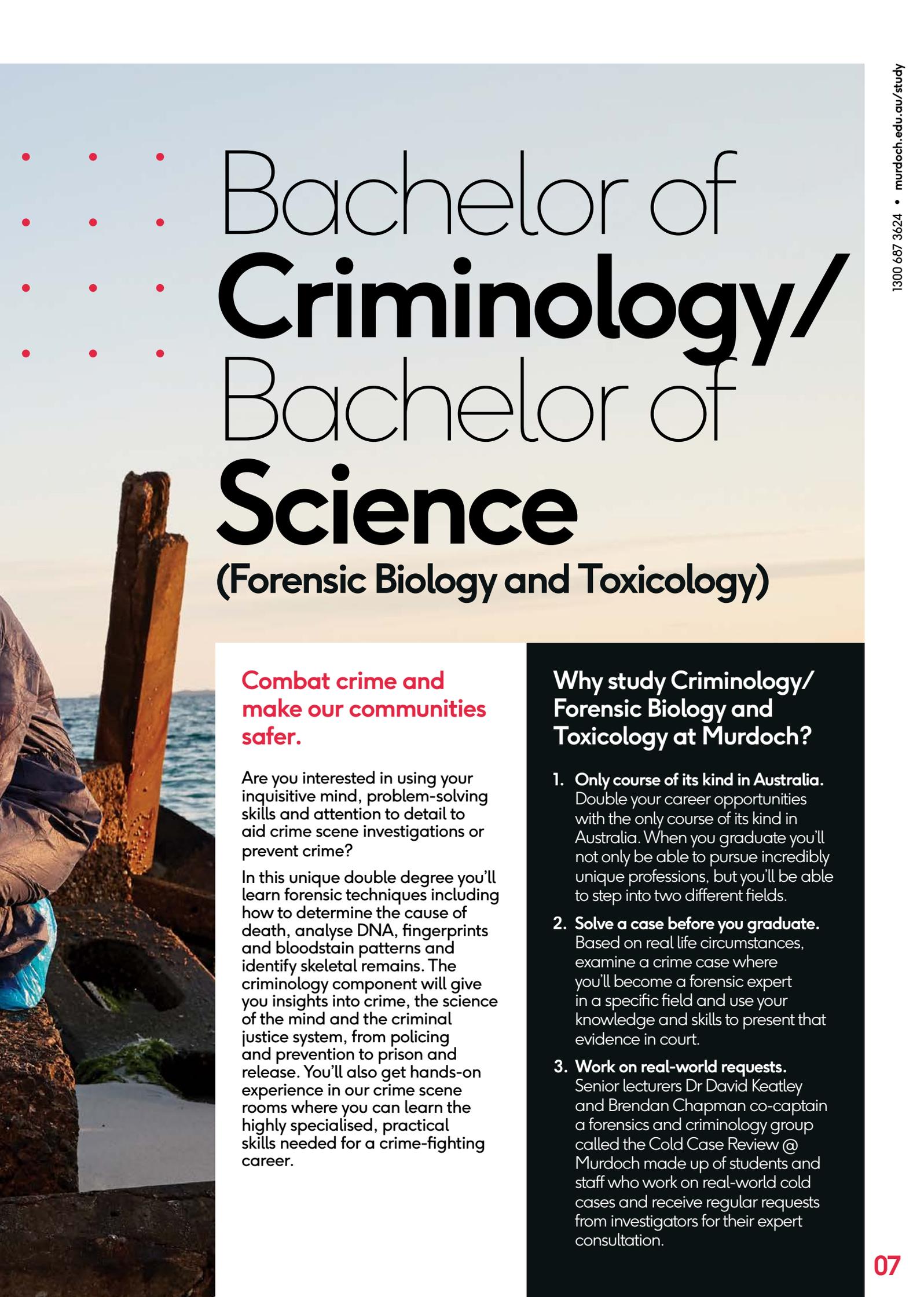


FEATURED COURSE



Ready to kick-start your crime combating career?

Learn more about Criminology/Forensic Biology and Toxicology on page 33.



Bachelor of **Criminology/** Bachelor of **Science** (Forensic Biology and Toxicology)

Combat crime and make our communities safer.

Are you interested in using your inquisitive mind, problem-solving skills and attention to detail to aid crime scene investigations or prevent crime?

In this unique double degree you'll learn forensic techniques including how to determine the cause of death, analyse DNA, fingerprints and bloodstain patterns and identify skeletal remains. The criminology component will give you insights into crime, the science of the mind and the criminal justice system, from policing and prevention to prison and release. You'll also get hands-on experience in our crime scene rooms where you can learn the highly specialised, practical skills needed for a crime-fighting career.

Why study Criminology/ Forensic Biology and Toxicology at Murdoch?

- 1. Only course of its kind in Australia.**
Double your career opportunities with the only course of its kind in Australia. When you graduate you'll not only be able to pursue incredibly unique professions, but you'll be able to step into two different fields.
- 2. Solve a case before you graduate.**
Based on real life circumstances, examine a crime case where you'll become a forensic expert in a specific field and use your knowledge and skills to present that evidence in court.
- 3. Work on real-world requests.**
Senior lecturers Dr David Keatley and Brendan Chapman co-captain a forensics and criminology group called the Cold Case Review @ Murdoch made up of students and staff who work on real-world cold cases and receive regular requests from investigators for their expert consultation.



Chiropactic
Science and
Clinical
Chiropactic

Chiropractic Science and Clinical Chiropractic

If you want to...

1. Study the only fully-accredited chiropractic course in Western Australia.
2. Develop the commercial skills needed to run your own practice.
3. Gain hands-on experience working in our purpose-built, on-campus chiropractic and rehabilitation clinic where you'll treat members of the public.

As a Chiropractic Science and Clinical Chiropractic student you will...

- Learn how to recognise the signs and symptoms of various disorders involving the musculoskeletal system and related pain syndromes.
- Develop well-rounded scientific and clinical skills required, so you graduate ready to work.
- First complete a three-year Bachelor of Chiropractic Science, giving you the knowledge you need in human biological sciences and introducing you to chiropractic skills and theory. You then progress to the two-year Bachelor of Clinical Chiropractic where you will learn the skills you need to practice as a primary contact healthcare professional.

You'll learn

Manual therapies for the spine and extremities, differential diagnosis, clinical anatomy, neurology and radiology, rehabilitation and physical therapy, pharmacology and applied nutrition.

Want to be recognised?

With a degree accredited by the Council on Chiropractic Education Australasia (CCEA), you will be eligible for registration in Australia, New Zealand and many other parts of the world.

Where it will take you

You'll graduate with the internationally-recognised qualifications you need to become a registered healthcare professional in Australia and other countries. Your future career options could include:

- Registered Chiropractor in private practice
- Academic work in the tertiary education sector
- Researcher within a university setting or private facility
- Consultant to government and non-governmental organisations, health policy panels and regulatory bodies

What you need to know...

BACHELOR OF SCIENCE (CHIROPRACTIC SCIENCE)/ BACHELOR OF CLINICAL CHIROPRACTIC

TISC Code MUSCP	Course Code B1331
Duration 5 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Human Biology, Mathematics Methods, Physics

**Minimum Selection Rank required for consideration*

An underwater photograph of a vibrant coral reef. The water is clear and blue, with sunlight filtering through the surface, creating a shimmering effect. The coral is diverse in color and shape, with prominent yellow and orange table corals in the foreground and various green and blue corals in the background. A grid of small white dots is overlaid on the image.

Environmental and Conservation Sciences

BACHELOR OF SCIENCE

Conservation and Wildlife Biology	12
Environmental Management and Sustainability	13
Environmental Science	14
Marine Biology	15
Marine Science	15

Conservation and Wildlife Biology

If you want to...

1. Volunteer for conservation projects including wildlife rehabilitation, Eyre Bird Observatory, Turtle Tagging and Landcare, and more.
2. Take fieldwork in every semester, including in Murdoch's campus bushland to support native fauna.
3. Get involved in student environmental social groups where you can participate in environmental initiatives, network and socialise.

As a Conservation and Wildlife Biology student you will...

- Complete studies in ecology, genetics, evolutionary biology, and conservation and wildlife management.
- Gain the technical skills you need for a career in conservation management.
- Complete case studies and field experience to gain an understanding of the social, political and economic context of conservation policy development.

You'll learn

Ecology, conservation biology, wildlife biology, genetics and evolution, and Australian biodiversity.

Where it will take you

When you graduate, you'll have the skills and experience you need to take on challenging roles in wildlife ecology, landscape and vegetation management, biodiversity conservation, animal biology and park management. Your future career options could include:

- Research Scientist
- Wildlife Officer
- Environmental Officer
- Nature-based Tourism
- Wildlife Forensics

What you need to know...

BACHELOR OF SCIENCE

TISC Code MUSCW	Course Code B1317
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Environmental Management and Sustainability

If you want to...

1. **Get hands-on with turtles, quendas, and endangered Carnaby's cockatoos in our on-campus conservation category wetlands and banksia woodland.**
2. **Expand your practical experience with field trips and volunteer projects.**
3. **Use spatial planning technology to reconcile human use and native habitat in protected areas.**

As an Environmental Management and Sustainability student you will...

- Understand how to critically analyse issues, solve problems, and communicate effectively with others.
- Tackle current and future environmental issues and develop sustainable solutions.
- Complete practical experience throughout the course, including both on-campus and in the field.
- Develop knowledge in environmental restoration and management, approaches to sustainability, and technical skills in statistics and mapping technology.
- Graduate with a scientific knowledge base, combined with hands-on experience in real-world issues.
- Customise your degree with minors in Nature-based Tourism, Ecosystem Management, Environmental Issues, Resource Management, Waste and Water Management, and more.

You'll learn

Social and environmental values of protected areas, legislation and policy conservation, natural resource management and science-based environmental restoration.

Where it will take you

Pursue a career across a range of fields, such as air and water quality, biodiversity and ecosystem restoration, ecotourism, fisheries and wildlife. Your future career options could include:

- Environmental Consultant
- Mining Rehabilitation Officer
- Natural Resource Manager
- Parks and Wildlife Officer
- Urban and Regional Planner

What you need to know...

BACHELOR OF SCIENCE

TISC Code MUSEM	Course Code B1317
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Environmental Science

If you want to...

1. Gain experience in our on-campus conservation category wetlands and banksia woodland that's home to more than 200 species of plants.
2. Gain new environmental knowledge through research study that's embedded in your degree.
3. Study with environmental practitioners and internationally respected experts, including members of the Intergovernmental Panel on Climate Change.

As an Environmental Science student you will...

- Learn how the environment works, and how we interact with it daily and as part of large institutions and organisations.
- Gain interdisciplinary knowledge in water and earth sciences, ecology, policy, law, and environmental management.
- Learn how to integrate your knowledge to sustain healthy environments.
- Complete hands-on field and laboratory-based practical learning.
- Complete a work placement with one of our many committed partners in industry, government and non-governmental organisations.
- Have the opportunity to customise your degree with minors in Applied Statistics, Resource Management, Sustainable Development, and more.

You'll learn

Atmospheric processes and relationships to climate change, how water, soils and plants interact, and shape natural and human landscapes and waterbodies, ecological research to understand and mitigate threats to biodiversity, and effective, science-based techniques in environmental assessment of wetlands.

Where it will take you

Pursue a career across a range of fields, such as biodiversity and ecosystem restoration, climate change adaptation and mitigation, alternative energy, mining rehabilitation, and natural resources. Your future career options could include:

- Atmospheric or Climate Change Scientist
- Environmental Consultant
- Environmental Ecologist
- Natural Resource Manager
- Restoration Ecologist

What you need to know...

BACHELOR OF SCIENCE

TISC Code MUSES	Course Code B1317
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Marine Biology

If you want to...

1. Participate in field research camps, including to Point Peron or Coral Bay.
2. Become job-ready with every unit you study comprising laboratory sessions or fieldwork.
3. Put theory into context on local and global scales with real-life examples and a holistic approach to teaching.

As a Marine Biology student you will...

- Develop a detailed understanding of the biota and ecological processes of marine environments.
- Gain an appreciation of the diversity of marine life, the interactions between species and biota, and the physical environment.
- Cover topics including fish, wildlife populations and ecology, aquaculture and human impacts.
- Complete extensive fieldwork and practical learning.
- Learn in industry-standard laboratories, like the marine and freshwater research laboratory, equipped with world-class research instruments.

You'll learn

Animal diversity, marine ecology, marine botany, aquaculture and fish and wildlife populations.

Where it will take you

A Marine Biology major will create career opportunities in a range of environmental-related fields. Your future career options could include:

- Aquatic Ecologist
- Marine Policy and Planning Officer
- Fisheries Biologist
- Coastal Community Officer
- Marine Biologist in marine-based tourism

What you need to know...

BACHELOR OF SCIENCE

TISC Code MUSBI	Course Code B1317
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

*Minimum Selection Rank required for consideration

Marine Science

If you want to...

1. Gain field experience in marine, coastal and estuarine environments along the coast of Western Australia.
2. Learn how modern technology has revolutionised oceanography and enabled advanced analysis of the world's oceans.
3. Be part of our marine industries, which add more than AU\$50 billion each year to the 'blue economy'.

As a Marine Science student you will...

- Study oceanography, atmospheric science, marine biology, marine ecology and marine management, plus more.
- Learn how to assess the state of the marine environment, investigate climate change adaptation and manage coastal ecosystems.
- Develop laboratory and research methods, advanced field procedures, numerical and spatial analysis techniques, and report writing.

You'll learn

Coastal and marine management, oceanography and marine pollution, marine ecology, atmospheric science and animal diversity.

Where it will take you

You'll be qualified to work as a scientist in a range of marine-based professions, including marine environmental management, marine industries, marine biodiversity conservation, marine-based tourism and marine ecology. Your future career options could include:

- Coastal Manager
- Fisheries Officer
- Marine Environmental Consultant
- Biological Oceanographer
- Marine Park Ranger

What you need to know...

BACHELOR OF SCIENCE

TISC Code MUSMS	Course Code B1317
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

*Minimum Selection Rank required for consideration

Food Science and Nutrition

If you want to...

1. Learn about the role of food and nutrition in human performance, health and wellbeing, and illness prevention.
2. Prepare for a career relating to the promotion of health at individual and community levels.
3. Build your skills in human nutrition, evidence-based food and nutrition practice, food science and food product development.

As a Food Science and Nutrition student you will...

- Study in the heart of the Murdoch Health Precinct, which includes public and private hospitals and the Australian National Phenome Centre.
- Take advantage of our living labs to grow your food production research knowledge, including at our Whitby Falls farm.
- Grow your industry connections as you interact with researchers and scientists, with strong industry links, from Murdoch's world-class research centres.
- Study subjects including chemistry, biochemistry, human physiology, principles of nutrition, nutrition and disease, food science and food product development.

You'll learn

The role of food and nutrition in human health and illness prevention, food composition knowledge and cooking/culinary skills, novel food product design, the role of food and nutrition in sport performance and cognitive performance, and an understanding of food and its impacts on the human microbiome.

Where it will take you

When you graduate from this course you are likely to find work in a health field, in the food sector or a human nutrition science field. Your future career options could include:

- Nutritionist or Public Health Nutritionist
- Food Scientist or Technologist
- Product Manager
- Food Safety Officer
- Food Marketing and Food Media
- Manager in educational health and wellbeing and community programs

What you need to know...

BACHELOR OF FOOD SCIENCE AND NUTRITION

TISC Code MUFSN	Course Code B1389
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Laboratory Medicine

If you want to...

1. **Develop skills in the handling of patient material, laboratory testing and analysing clinical results.**
2. **Study in a major health precinct including three hospitals and a medical research institute.**
3. **Learn on the latest instrumentation as part of our extensive hands-on practical training, including industry placements within diagnostic pathology laboratories.**

As a Laboratory Medicine student you will...

- Complete a four-year degree including work integrated learning in diagnostic pathology laboratories.
- Learn from academics with an open-door policy, so you can get the help and advice you need to succeed.
- Learn by doing, with laboratory content throughout the course to ensure you acquire practical skills and reinforce theoretical principles.

You'll learn

Clinical microbiology, clinical biochemistry, clinical haematology, pathological basis of disease and diagnostic genomics.

Want to be recognised?

This course is recognised by the Australian Institute of Medical Scientists (AIMS).

Where it will take you

Pursue a range of roles in public or private diagnostic pathology, research or work in laboratories as a technician. You could also explore the fields of medical and life science research, marketing, media and academia, or take on further studies in medicine, pharmacy, dentistry and veterinary science. Your future career options could include:

- Medical Scientist
- Technical Officer
- Laboratory Technician
- Research Scientist
- Medical Representative

What you need to know...

BACHELOR OF LABORATORY MEDICINE

TISC Code MUSLA	Course Code B1374
Duration 4 years	Selection Rank* 70
Intake Semester 1	Recommended ATAR Subjects Biology or Human Biology, Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Medical, Molecular and Forensic Sciences



• Broaden your scope
in the medical field

**BACHELOR OF SCIENCE (MEDICAL,
MOLECULAR AND FORENSIC SCIENCES)**

Biomedical Science	20
Clinical Laboratory Science	21
Forensic Biology and Toxicology	22
Genetics and Molecular Biology	23



Biomedical Science

If you want to...

1. Study in the heart of the Murdoch Health Precinct, which includes three hospitals and a medical research institute.
2. Grow your industry connections with strong industry links from Murdoch's world-class research centres.
3. Learn among researchers who have been ranked as 'well above' world standard for medical and health sciences, immunology and medical microbiology (source: ERA, 2018).

As a Biomedical Science student you will...

- Explore a variety of disciplines including physiology, microbiology, immunology, cell biology, biochemistry and pathology.
- Broaden your scope by including other areas of study such as anatomy, parasitology, haematology, histology and pharmacology.
- Complete extensive hands-on practical classes guided by lecturers who are making a real-world impact with their research.
- Learn both broad-based and specific laboratory techniques needed in the medical sciences, including cutting-edge advances in modern medical research.

You'll learn

Cell biology (structure and function of cells), medical microbiology (bacteria, viruses and fungi that cause disease), medical immunology and molecular genetics (how the body defends itself against infection and how genetics is important in medical science), biomedical physiology (how body systems function) and pathological basis of disease (causes and effects of diseases, including cancer).

Where it will take you

When you graduate, you could pursue a career in various medical and health related fields. Your future career options could include:

- Medical Researcher
- Medical Biotechnologist
- Laboratory Technologist (in hospitals, medical research institutes or universities)
- Biomedical Sales and Marketing Specialist
- Human Biology Teacher (with further study)

What you need to know...

BACHELOR OF SCIENCE (MEDICAL, MOLECULAR AND FORENSIC SCIENCES)

TISC Code MUSBM	Course Code B1380
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology or Human Biology, Chemistry, Mathematics Methods, Physics

*Minimum Selection Rank required for consideration

Clinical Laboratory Science

If you want to...

1. Study in the Murdoch Health Precinct, which includes the Institute for Immunology and Infectious Diseases.
2. Gain hands-on laboratory experience to help you develop your practical skills and reinforce the theory you learn.
3. Prepare for the workforce or further study as you learn about the latest advances in modern diagnostic science.

As a Clinical Laboratory Science student you will...

- Explore medical technology and work in practical laboratories to gain skills needed to analyse, diagnose and research human diseases.
- Examine disease processes and learn the technical skills needed to handle patient material collected in hospitals, surgeries and forensic investigations.
- Perform clinical testing and analyse and report results.
- Learn about human biology, cell and molecular and molecular genetics.
- Study a range of clinical laboratory disciplines including microbiology, immunology, biochemistry and haematology.

You'll learn

Clinical microbiology, histopathology, haematology, diagnostic genomics and clinical immunology.

Where it will take you

Clinical laboratory science will allow you to pursue a career in health-related fields. Your future career options could include:

- Laboratory Technician
- Technical Officer
- Medical Researcher
- Laboratory Assistant
- Research Scientist

What you need to know...

BACHELOR OF SCIENCE (MEDICAL, MOLECULAR AND FORENSIC SCIENCES)

TISC Code MUSCL	Course Code B1380
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology or Human Biology, Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Forensic Biology and Toxicology

If you want to...

1. **Work with international and local organisations on real projects as part of our Work Integrated Learning program.**
2. **Get hands-on experience as you apply DNA sequencing and other forensic techniques from the lab to simulated crime scenes.**
3. **Study analytical techniques in our state-of-the-art laboratory, which is part of the Australian National Phenome Centre.**

As a Forensic Biology and Toxicology student you will...

- Learn how to recognise blunt and sharp force injuries and the weapons that cause them.
- Study the pathology of asphyxiation, electrocution, gunshot wounds and the injuries associated with fatal fires.
- Learn witness imaging techniques, with hands-on training in facial approximation.
- Explore DNA sequencing and work on simulated crime scenes on and off-campus.
- Investigate a murder case, in your final year, including examining the crime scene and presenting evidence in a courtroom.

You'll learn

Forensic science and miscarriages of justice, crime scene investigation, forensic DNA analysis, forensic anatomy and anthropology and forensic toxicology.

Where it will take you

You could pursue a range of roles in Australia or overseas. Your future career options could include:

- Crime Scene Officer
- Forensic Biologist
- Forensic Investigator
- Forensic Toxicologist
- Wildlife Forensics Officer

What you need to know...

BACHELOR OF SCIENCE (MEDICAL, MOLECULAR AND FORENSIC SCIENCES)

TISC Code MUSFB	Course Code B1380
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Genetics and Molecular Biology

If you want to...

1. Study among our world-class molecular research centres, including the Institute for Immunology and Infectious Diseases.
2. Learn among researchers who have been ranked 'above' world standard for immunology and genetics.
3. Learn by doing, with laboratory content throughout the course so you'll learn practical skills and reinforce theoretical principles.

As a Genetics and Molecular Biology student you will...

- Learn how to solve problems at the molecular level, with the most up-to-date knowledge and training in molecular genetics.
- Gain the molecular biology skills to analyse molecular samples and learn how to apply them across a range of fields.
- Get hands-on laboratory experience to learn practical skills which reinforce the theory you've learned.

You'll learn

Cell biology (structure and function of cells), genetics and evolution (studying the evolution of life and population development), microbiology (bacteria, viruses and fungi, important in industrial, ecological, agricultural and medical settings), genetic engineering (construction and uses of GMOs and associated ethical considerations), biochemistry (importance of molecules in cell function) and systems biology (holistic approach to understanding biological functions).

Where it will take you

You'll be prepared for a career working in hospitals, research organisations such as the CSIRO and medical research centres, universities and agriculture departments, biotechnology and food processing industries. Your future career options could include:

- Molecular Biologist
- Bioinformatician
- Genetic Engineer
- Molecular Biotechnologist
- Research Scientist or University Academic

What you need to know...

BACHELOR OF SCIENCE (MEDICAL, MOLECULAR AND FORENSIC SCIENCES)

TISC Code MUSMB	Course Code B1380
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Veterinary and Agricultural Sciences

- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •
- • • • • • • • • • • • • •

• Discover the latest
advances for the
future of Agriculture



BACHELOR OF AGRICULTURAL SCIENCE

Animal Health	26
Animal Science	27
Crop and Pasture Science	28

BACHELOR OF SCIENCE IN VETERINARY BIOLOGY/ DOCTOR OF VETERINARY MEDICINE

Veterinary Science	29
--------------------	----

Animal Health

If you want to...

1. Go to classes at the only city-based university farm in Australia.
2. Complete a total of seven weeks industry experience throughout the course across three or more industries.
3. Have opportunities for direct interactions with growers and industry experts in Australia's diverse farming industries.

As an Animal Health student you will...

- Explore the latest issues, technology and opportunities in the field of animal health.
- Focus on the condition and wellbeing of domestic animals, production animals such as sheep, cattle and pigs, and wildlife.
- Develop teamwork, problem-solving and communication skills and be taught by some of Australia's leading animal health experts.
- Learn skills that will prepare you to succeed in a range of industries including agriculture, companion animal industries and wildlife management.
- Have the opportunity to apply to study Veterinary Science when you combine Animal Health and Animal Science as a double major.

You'll learn

Comparative mammalian biochemistry, principles of infectious disease – veterinary microbiology, animal structure and function, pathology and diseases of production animals, and genetic engineering.

Where it will take you

A major in Animal Health will give you opportunities to pursue a career in a wide range of fields, including agriculture, food production industries and research. Your future career options could include:

- Biosecurity and Quarantine Officer
- Farm Manager
- Genetic Technologies Consultant
- Research Scientist
- Livestock Manager

What you need to know...

BACHELOR OF AGRICULTURAL SCIENCE

TISC Code MUSAH	Course Code B1391
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Mathematics Methods

**Minimum Selection Rank required for consideration*

Animal Science

If you want to...

1. Go to classes at the only city-based university farm in Australia.
2. Complete a total of seven weeks industry experience throughout the course across three or more industries.
3. Have the opportunity to travel across Australia to compete at the Intercollegiate Meat Judging program, and the National Merino Challenge.

As an Animal Science student you will...

- Learn how technology and sustainable practices are being used to meet increasing demand for food production.
- Explore developments in animal management, disease control, improved welfare and new molecular technologies.
- Gain a comprehensive understanding of animal production systems in a range of industries.
- Explore how new DNA technologies are transforming our traditional food and fibre production systems.
- Have the opportunity to apply to study Veterinary Science when you combine Animal Health and Animal Science as a double major.

You'll learn

Livestock science and genetics, veterinary nutrition and animal toxicology, comparative mammalian biochemistry, animal structure and function, and animal production systems.

Where it will take you

A major in Animal Science will give you opportunities to pursue a career in a wide range of fields, including agriculture, food production industries and research. Your future career options could include:

- Farm Business Manager
- Research Advisor/Extension
- Research Scientist
- Technical Advisor
- Agribusiness Consultant

What you need to know...

BACHELOR OF AGRICULTURAL SCIENCE

TISC Code MUSAS	Course Code B1391
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Mathematics Methods

**Minimum Selection Rank required for consideration*

Crop and Pasture Science

If you want to...

1. Study at Australia's only campus-based farm to gain hands-on experience in soil science, crop science and pasture science.
2. Get hands-on experience across a total of eight weeks of industry placements in farms and agriculture research programs.
3. Be taught by lecturers who are leading national and international research projects, so you graduate with cutting-edge subject knowledge.

As a Crop and Pasture Science student you will...

- Find out how the latest research and industry practices are addressing increasing global concern around food security.
- Learn how science is applied to food production in cropping and pasture systems regionally, nationally and globally.
- Gain extensive knowledge of the factors that affect the growth of plants used for food and forage production, and how plant growth can be manipulated.
- Learn how new technologies are improving the yield, profitability and sustainability of food production systems.

You'll learn

Agricultural science and food production, crop protection and plant biosecurity, agricultural markets, economics and policy, crop and pasture science, and agricultural and environmental technologies.

Where it will take you

This major will make you an adaptable and innovative agricultural scientist ready for a variety of careers in the agricultural industries. Your future career options could include:

- Agricultural Scientist
- Agronomist
- Biosecurity and Quarantine Officer
- Farm Manager
- Research Scientist

What you need to know...

BACHELOR OF AGRICULTURAL SCIENCE

TISC Code MUSPC	Course Code B1391
Duration 3 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum Selection Rank required for consideration*

Veterinary Science

If you want to...

1. Learn in our fully operational animal hospital, complete with an exotic animal clinic, cancer and dermatology clinics and a 24-hour emergency centre.
2. Complete placements with animal shelters, the Perth Zoo and a wide range of farms and veterinary practices, both in Australia and internationally.
3. Be trained by some of the best veterinary teaching staff in Australia and beyond.

As a Veterinary Science student you will...

- Gain a science-based approach and hands-on experience that will prepare you for the highest standard of work in the veterinary industry.
- Graduate ready for a career across a range of settings, such as primary care, emergency, small animal practice, large animal or mixed practice, or as a government veterinarian.
- Complete a three-year, six-semester Bachelor of Science (Veterinary Biology) that progresses into an integrated two-year, six-trimester DVM (Doctor of Veterinary Medicine). This means you can complete a full qualification over five years.

You'll learn

Veterinary structure and function, principles of surgery, anaesthesia and diagnostic imaging, processes in animal disease, health and management of production animals, avian and wildlife and exotic pet medicine.

Want to be recognised?

This course is accredited by the Australasian Veterinary Boards Council (AVBC), Royal College of Veterinary Surgeons (RCVS) and the American Veterinary Medical Association (AVMA).

Where it will take you

When you graduate you will be prepared for a career in animal health related fields, with animals of all species and sizes. Your future career options could include:

- Veterinary Clinician, in private practice or academia
- Undertaking specialist training in a wide range of clinical disciplines (such as surgery, medicine, pathology, reproduction, dermatology)
- Industry Consultant in agriculture, equestrian sport, animal welfare and animal behaviour
- Government Veterinarian, working on biosecurity, food security, herd disease and management
- Researcher in all aspects of animal health and welfare, including animal models of disease

What you need to know...

BACHELOR OF SCIENCE IN VETERINARY BIOLOGY/DOCTOR OF VETERINARY MEDICINE

TISC Code MUSVB (School Leavers) MUSVV (Non School Leavers)	Course Code B1330 (School Leavers) B1341 (Non School Leavers)
Duration 5 years	Selection Rank* 98
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Mathematics Methods, Physics

*Minimum ATAR required for consideration



- Tailor your skillset to suit your career



Combined degrees

Bachelor of Agricultural Science/Bachelor of Business	32
Bachelor of Criminology/Bachelor of Science (Forensic Biology and Toxicology)	33
Bachelor of Laws/Bachelor of Science	34
Bachelor of Laws/Bachelor of Science (Psychology)	35

Bachelor of Agricultural Science/ Bachelor of Business

If you want to...

1. Gain fundamental skills across science and business relating to the agricultural industry.
2. Study at Australia's only campus-based farm, where you'll gain hands-on experience in animal science and production together with crop science and pasture science.
3. Gain knowledge that will help you create innovative solutions for food, agriculture, communities and the environment.

As an Agricultural Science and Business student you will...

- Be part of a unique program that combines management studies with agriculture.
- Combine two key agriculture majors (Animal Science and Crop and Pasture Science) with fundamental business knowledge and a choice of a business major (Management, Marketing or International Business).
- Learn a broad range of skills and engage with industry and communities to prepare you for a career in the rapidly developing world of agribusiness.

You'll learn

Animal science and health, crop and pasture science, international business, management and agricultural economics.

Where it will take you

An extremely wide range of opportunities is available in the commercial, agricultural and industrial sectors covering information technology, manufacturing, food production, export industries, and biosecurity and food safety. Your future career options could include:

- Agricultural Scientist
- Agricultural Economist or Analyst
- Farm Manager
- Agronomist

What you need to know...

TISC Code MUBSC	Course Code B1393
Duration 4 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Biology, Chemistry, Mathematics Applications or Methods

**Minimum Selection Rank required for consideration*

Bachelor of Criminology/ Bachelor of Science (Forensic Biology and Toxicology)

If you want to...

1. Study the only course of its kind in Western Australia.
2. Study analytical techniques for toxicology in our state-of-the-art laboratory, which is part of the Australian National Phenome Centre.
3. Learn the latest real-world techniques and policies, with course input and guest lectures by forensic experts.

As a Criminology and Forensic Biology and Toxicology student you will...

- Apply DNA sequencing and other forensic techniques from the lab to simulated crime scenes.
- Learn about a range of forensic disciplines including forensic palynology, the pathology of asphyxiation, electrocution, gunshot wounds and fatal fire injuries, as well as how to recognise blunt and sharp force injuries and the weapons that cause them.
- Explore the motivations and patterns of criminal behaviour in Australia, the science that helps solve major crime, and how our justice system works in Australia.

You'll learn

Crime scene investigation, children and crime, forensic DNA analysis, forensic anatomy and anthropology and forensic toxicology.

Where it will take you

This combined degree will set you up for a career in either the criminal justice system or forensics. Your future career options could include:

- Criminologist
- Forensic Investigator or Scientist
- Laboratory Analyst
- State or Federal Police Law Enforcement Officers
- Intelligence Officer
- Health Department or Hospital Researcher

What you need to know...

TISC Code MUCBS	Course Code B1360
Duration 4 years	Selection Rank* 70
Intake Semester 1 and 2	Recommended ATAR Subjects Chemistry, Mathematics Applications

**Minimum ATAR required for consideration*

Bachelor of Laws/ Bachelor of Science

If you want to...

1. Explore a degree where you can add a scientific specialisation to your law degree.
2. Graduate with two qualifications, a unique skillset and even more career opportunities.
3. Travel while you earn credit towards your law degree, with opportunities to study in Italy, Switzerland, India or take on an internship in Germany.

As a Law and Science student you will...

- Develop the kind of observation, analysis and reasoning skills that will give you a competitive edge in your career.
- Be able to specialise in Forensic Biology and Toxicology, Environmental Science or Environmental Management and Sustainability.

You'll learn

The legal protection of international human rights, water and earth science, forensic DNA analysis, environmental restoration, and global and regional sustainability.

Want to be recognised?

The Bachelor of Laws 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 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 combination of law and science degrees will give you the skills, knowledge and ways of thinking you need to pursue a wide range of rewarding careers across many industries. Your future career options could include:

- Defence Lawyer
- Restoration Ecologist
- Forensic Investigator
- Crime Scene Officer
- Atmospheric or Climate Change Scientist

What you need to know...

TISC Code MULBS	Course Code B1324
Duration 5 years	Selection Rank* 90
Intake Semester 1 and 2	Recommended ATAR Subjects Biology or Human Biology, Chemistry, Mathematics Applications or Methods, Physics

**Minimum ATAR required for consideration*

Bachelor of Laws/ Bachelor of Science (Psychology)

If you want to...

1. **Develop analytical skills alongside contemporary scientific research methods for investigating human minds and behaviour.**
2. **Get valuable work experience through our Work Integrated Learning program which allows you to intern at real law firms and clinics.**
3. **Become a registered Psychologist.**

As a Law and Science (Psychology) student you will...

- Examine crime from a range of perspectives, including law, sociology and psychology and learn how to reduce or prevent crime and help both the victims and offenders involved in the criminal justice system.
- Have the chance to study psychology along with other subjects in science. You can build special expertise in your final year with a unit in Cognitive Neuroscience.

You'll learn

Trial advocacy, legal protection of international human rights, psychological science, cultural psychology and psychology & law.

Want to be recognised?

The Bachelor of Laws 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 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.

The Bachelor of Science in Psychology course is accredited by the Australian Psychology Accreditation Council. You could add a fourth year of study, such as our Graduate Diploma or Honours program, to be eligible for provisional registration with the Psychology Board of Australia.

Where it will take you

Studying law can lead to a career in any area or industry, from navigating human rights to exploring emerging fields such as artificial intelligence. Your future career options could include:

- Lawyer
- Legal Practitioner
- Psychologist
- Human Resources or Marketing Officer
- Researcher

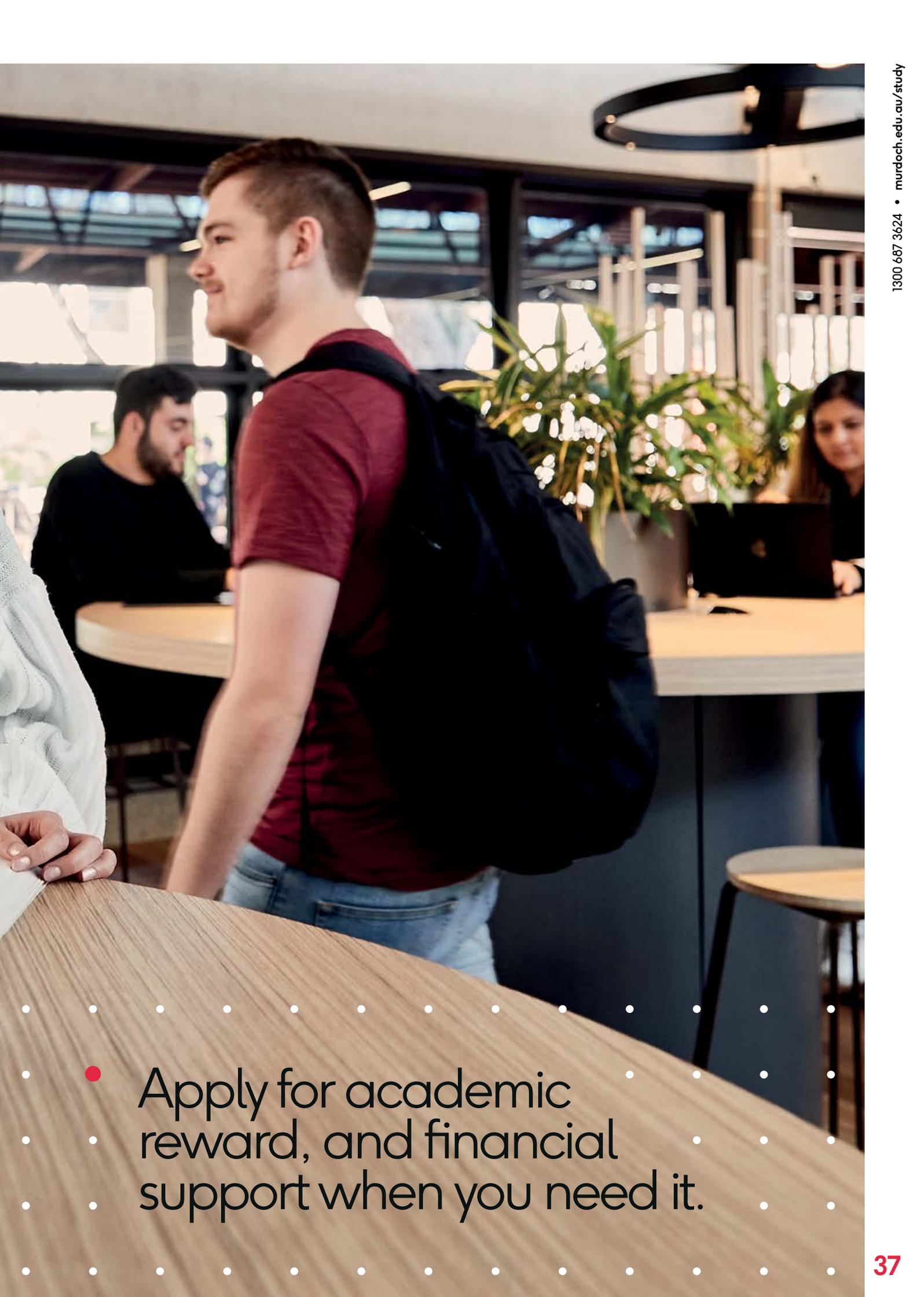
What you need to know...

TISC Code MULSP	Course Code B1355
Duration 5 years	Selection Rank* 90
Intake Semester 1 and 2	Recommended ATAR Subjects Biology or Human Biology, Chemistry, Mathematics Applications or Methods, Physics

**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
Westpac Young Technologists Scholarship	\$15,000 plus attendance at the Westpac Networking Summit	To be eligible, you will need to: <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 For a full list of eligibility requirements visit murdoch.edu.au/westpacscholarship	Any major within the Bachelor of Creative Media or Engineering, and most majors within the Bachelor of Science. For a full list of eligible courses visit murdoch.edu.au/westpacscholarship

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
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
Tertiary Access Payment	\$5,000	To be eligible, you will need to be: <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

SCIENCE

Clyde McGill Colleen Rigby	\$1,000	To be eligible, you will need to: <ul style="list-style-type: none"> have completed Veterinary Biology be intending to engage in an extramural project that meets the requirements of Murdoch's College of Veterinary Medicine 	Bachelor of Science in Veterinary Biology/Doctor of Veterinary Medicine
Ian and Cathy Robertson Warlang Barna	\$4,000	To be eligible, you will need to: <ul style="list-style-type: none"> be a Waardong (Aboriginal/Torres Strait Islander) student be enrolled full-time (at least 9 credit points) at Murdoch in a Veterinary Program (BSc/DVM Program) - unless credit exemptions be in your second, third, fourth or fifth year of study be experiencing personal and/or financial hardship be able to demonstrate high academic achievement 	Bachelor of Science in Veterinary Biology/Doctor of Veterinary Medicine
Rose and Stan de Pierres	\$4,000	To be eligible, you will need to: <ul style="list-style-type: none"> be an Australian citizen or permanent resident have achieved an ATAR of 90 or have a record of excellent achievement in previous post-secondary study or professional work 	Bachelor of Science in Environmental Science
Todtiana	\$3,000	To be eligible, you will need to: <ul style="list-style-type: none"> be an undergraduate student who has completed the first 24-points of study be enrolled full-time in specific courses (see across) be facing personal or financial hardship 	Bachelor of Science in Biological Science, Conservation and Wildlife Biology, Environmental Management and Sustainability, Environmental Science or Marine Science
VET Alumni 4th Year	\$1,000	To be eligible, you will need to: <ul style="list-style-type: none"> be in your third year of Veterinary Biology and have achieved passing scores in all units 	Bachelor of Science in Veterinary Biology



A global outlook

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

A man with a full, well-groomed brown beard and mustache is smiling warmly at the camera. He has short brown hair and is wearing a light blue, button-down collared shirt. The background is a plain, light-colored wall with a grid of small white dots. The lighting is soft and even, highlighting his features.

“I have an opportunity to make a profound impact on veterinary medicine, which is extremely motivating and exciting.”

Murdoch alumni

**I am the CEO of VetDB.
I'm originally Canadian,
but I grew up in Hong
Kong.**

In my career I've worked as a small animal vet, a horse vet, an academic radiologist – and I've lived around the world.

In my final clinical years I fell in love with radiology, in part due to the teaching and enthusiasm of Murdoch University radiologists. I had a particular love of physics in high school, so radiology was a perfect fit when I discovered it.

I always wanted to be a vet and the teterinary science degree at Murdoch was, and still is, instantly recognised around the world. Murdoch University is unique in that it has a full veterinary teaching experience, including an on-campus farm. I had met many Murdoch vet alumni overseas, and they spoke highly of the course.

What I had originally thought my career would become before I started vet school has not turned out that way at all. I assumed it would be quite general, like you read about in James Herriot books, so I expected to have a job seeing all sorts of animals in a local community. But making my way through school it became obvious that there are hundreds, if not thousands, of jobs using the skills and knowledge you get from a veterinary degree.

I met my business partner, Ross, on my first day at university, when we moved into the same flat at the Student Village. Ross had just arrived from Cape Town and I had flown in from Hong Kong. The Student Village was a great landing pad for us both.

After years of friendship and following our own separate career paths, we came together to solve the patient-data disconnect problem. Creating something that never existed before and changing the status quo for the better is a fantastic feeling.

My Murdoch training prepared me for a career in equine medicine, small animal medicine, and, ultimately, as a specialist radiologist. The choice of which type of career was entirely mine. That's the beauty of a veterinary degree that prepares you for real life.

My advice to future students is to remember that your friends and colleagues are there to help you achieve a fulfilling career. If you're interested in working overseas after your degree, the first move is the hardest. After that you'll be confident and skilled enough to apply for a job anywhere in the world!

STEVE JOSLYN

**BACHELOR OF SCIENCE
(VETERINARY BIOLOGY) /
BACHELOR OF VETERINARY
MEDICINE AND SURGERY**

A photograph of two young men in graduation gowns. They are both smiling broadly and looking upwards. The man on the left is holding a black mortarboard with a yellow tassel. The background is a modern building with large glass windows. A grid of small black dots is overlaid on the top half of the image.

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

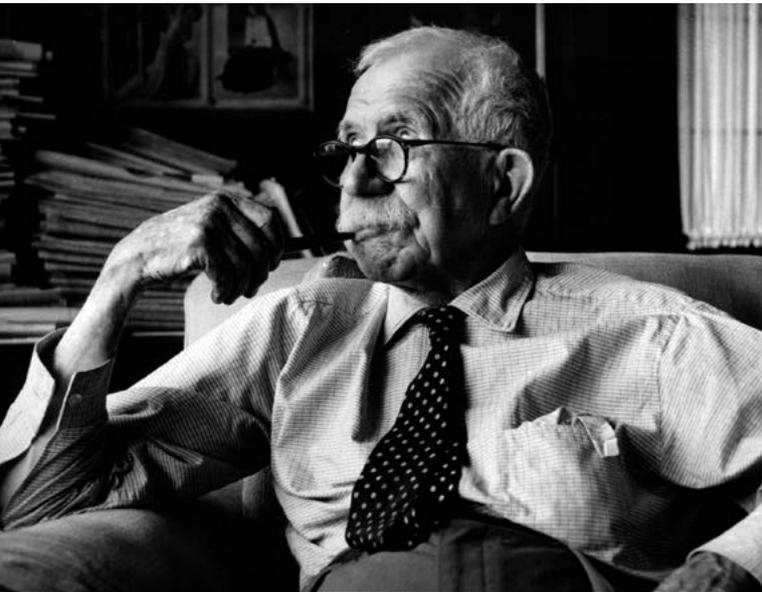
When you receive your offer, you'll be given instructions on how to accept your place and how to start your journey with Murdoch.



We look forward
to welcoming
you into our

free thinking

community



MEET MURDOCH

90 South Street, Murdoch WA 6150

Telephone: 1300 687 3624 Email: study@murdoch.edu.au

-  [tiktok.com/@murdochuni](https://www.tiktok.com/@murdochuni)
-  [facebook.com/murdochuniversity](https://www.facebook.com/murdochuniversity)
-  [instagram.com/murdochuniversity](https://www.instagram.com/murdochuniversity)
-  twitter.com/murdochuni
-  [linkedin.com/school/murdoch-university](https://www.linkedin.com/school/murdoch-university)
-  [murdochuniv](#)
-  [Murdoch University](#)

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.

Disclaimer: The information contained in this publication was correct as at May 2021, but is subject to amendment without notice. The University reserves the right to cancel, without notice, any units or courses if the number of students enrolled in these falls below limits set by the University. © 2021 Murdoch University. This publication is copyright. Except as permitted by the Copyright Act no part of it may in any form or by any electronic, mechanical, photocopying, recording or any other means be reproduced, stored in a retrieval system or be broadcast or transmitted without the prior permission of the publisher.