Curtin University

Undergraduate course guide 2025

Make tomorrow better.

IN THIS GUIDE

Acknowledgement of Country

Curtin University acknowledges all First Nations of this place we call Australia and recognises the many nations who have looked after Country for more than 60,000 years.

We are honoured and grateful for the privilege to maintain campuses operating in Boorloo (Perth) and Karlkurla (Kalgoorlie) in Australia. We pay our respects to Elders past and present as Custodians and Owners of these lands. We recognise their deep knowledge and their cultural, spiritual and educational practices, and aspire to learn and teach in partnership with them.

Curtin also acknowledges First Nations peoples connected with our global campuses.

We are committed to working in partnership with all Custodians and Owners to strengthen and embed First Nations' voices and perspectives in our decision-making, now and into the future.

CURTIN PERTH ACADEMIC CALENDAR

	SEMESTER 2, 2024	SEMESTER 1, 2025	SEMESTER 2, 2025
Orientation Week	**15–19 July**	**17–21 February**	**14–18 July**
Semester starts	**22 July**	**24 February**	**21 July**
Semester ends	**8 November**	**13 June**	**7 November**

Applications close two weeks before orientation.[1]
Visit **curtin.edu/calendar** for all study periods for 2025.
Visit **curtin.edu/deadlines** for application deadlines.

[1] *Application closing dates and orientation dates are subject to change and may vary depending on the course. Dates are for Curtin Perth only. Contact other campuses directly for details.*

Start your future career

Curtin is a vibrant, future-focused university where ideas and cultures combine to create a place of enthusiasm, achievement and innovation.

We design our courses in consultation with industry experts and offer work-integrated learning programs and internship opportunities, so you graduate with the skills that employers want.

And if you're an aspiring business founder or innovator – whether in molecular genetics or game design – we can help you develop your entrepreneurial ideas and skills.

Work-integrated learning

Work-integrated learning enables you to implement and consolidate your new knowledge and skills. Experiential learning is highly valued by employers, and, at Curtin, you'll benefit from our strong links with industry, government and non-profit sectors.

During your Curtin course you could work on real-world industry and research projects, attend networking events and industry site visits, and complete internships and study tours.

Industry placements and fieldwork

Industry placements and fieldwork opportunities are an important part of many Curtin courses, ensuring that you gain industry skills and career experience before you graduate. You may have the opportunity to complete an internship with one of Curtin's industry partners or local or national organisations, undertake a healthcare clinical placement or complete a practicum in a school.

Career support

We can help you plan for the career you want, build the skills and experiences that employers look for, and identify further study or career options. You can attend employer events, participate in professional development programs, and discover employment opportunities to take up during your studies and after you graduate. Curtin also provides free personal accident insurance for students undertaking approved co-curricular work experiences. For more information, visit **curtin.edu/careers**.

Volunteering opportunities

If you're keen to help others, Curtin Volunteers! provides volunteering programs and leadership opportunities that willl enhance your capabilities and experience while benefiting the wider community. You will have the opportunity to meet new people, build your employability skills, explore unique parts of Western Australia and give back to the community. For more information, visit **curtin.edu/volunteering**.

EMPLOYERS RATE CURTIN GRADS #1

Curtin University graduates are rated the best in Australia for employer satisfaction, in the Government's latest QILT Employer Satisfaction Survey (2022).

TOP 1% IN THE WORLD

Curtin ranks in the top 1% of universities worldwide, in the Academic Ranking of World Universities (2023).

5 STARS PLUS

Curtin continues to achieve the highest QS Stars rating possible for a tertiary institution: Five Stars Plus. (QS Stars 2023)

From moon travel to mountain biking, cryptocurrency to cannabis, our research podcast, ***The Future Of,*** will update you on our latest research advances.

To discover more, visit **curtin.edu/thefutureof**.

Study where the action is

From the heart of Perth city to regional Western Australia, our locations are thriving places of community and innovation.

Whichever Curtin campus you're studying at, you're part of a diverse student community with a global perspective.

Nowanup Bush Campus

Nowanup Bush Campus is a unique learning space on 750 hectares of Noongar bushland. The campus offers On-Country education programs delivered by Aboriginal Elders and educators, in a setting that enhances awareness and appreciation of Aboriginal culture.

PERTH

Curtin Perth is a beautiful and inspiring campus just six kilometres from Perth city. It has technology-rich learning spaces, advanced research centres and extensive library facilities. All of our courses are available to study at Curtin Perth.

PERTH CITY

Curtin Law School in Perth city strengthens our links with the legal profession and the commercial centre of Western Australia. Curtin MBA students can also study in the city.

MIDLAND

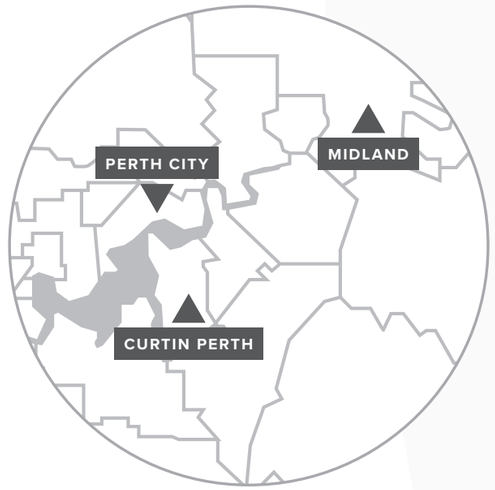
Curtin's distinctive Midland campus has immersive learning facilities for our health students and connects them with the adjacent hospital and nearby health services to apply their studies.

KALGOORLIE

In Western Australia's historic gold mining region, you can study our renowned engineering courses as well as online courses in business, education and health. For our medicine, nursing and allied health students, Curtin Kalgoorlie also supports regional training and placements within local hospitals and clinics.

REGIONAL WESTERN AUSTRALIA

Do you live in a regional area and would prefer to study your course closer to home? Curtin offers a range of courses in partnership with tertiary education institutions in Albany, Northam, Geraldton, Karratha and Port Hedland.



Explore your global opportunities

As a Curtin student, you can explore your opportunities to study at our global campuses or at our partner universities in Asia, Africa, Europe, North America and South America.

Completing some of your course in another country provides a unique cultural experience and enables you to create a valuable international network.

01 DUBAI

In Dubai, you can study commerce, science, health and arts courses in the Dubai International Academic City – the world's largest dedicated higher-education zone. Or, you might choose to study engineering at Dubai Silicon Oasis, the epicentre of technology and engineering. To find out more, visit **curtindubai.ac.ae**.

02 COLOMBO

In the heart of Colombo city, you can study engineering (including IT and software engineering), commerce, science and the arts. Curtin Colombo is a powerhouse of education, providing a supportive student experience and opportunities to network and build professional relationships. To find out more, visit **curtincolombo.lk.**

03 SINGAPORE

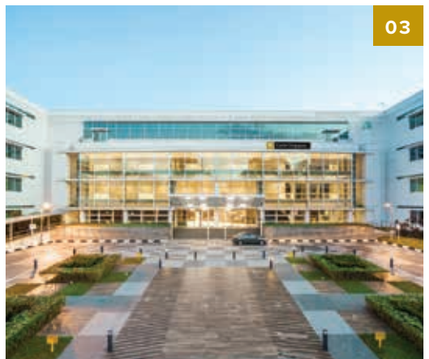
In one of the world's safest and most well-connected cities, and immersed in a regional economic hub, Curtin Singapore offers courses in commerce, health, science, engineering and the arts. To find out more, visit **curtin.edu.sg**.

04 MAURITIUS

In the centre of Moka City in an island paradise, Curtin offers a range of commerce, communications, design, health and science courses to study. With Mauritius' renowned biodiversity and ecology, this campus is also a stunning backdrop to study sustainability and environmentalism. To find out more, visit **curtinmauritius.ac.mu**.

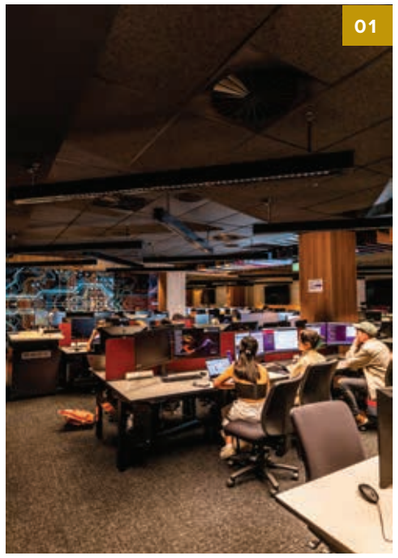
05 MALAYSIA

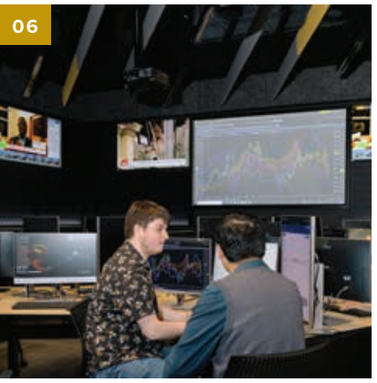
Curtin Malaysia is in the centre of Miri and features a contemporary, technology-rich learning space with high-tech laboratories, research facilities and training sites. The campus offers a unique opportunity to study commerce, engineering, science, communications and health courses in one of the most biodiverse areas of the world. To find out more, visit **curtin.edu.my**.

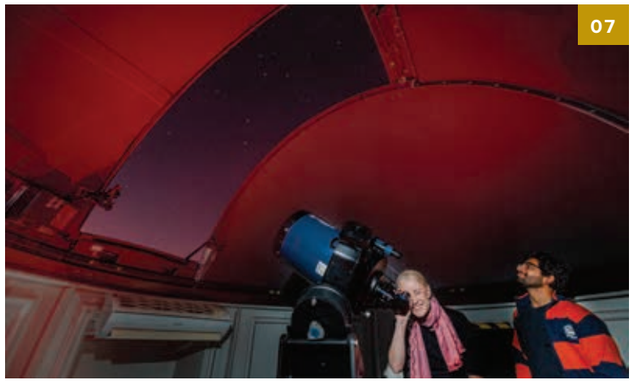


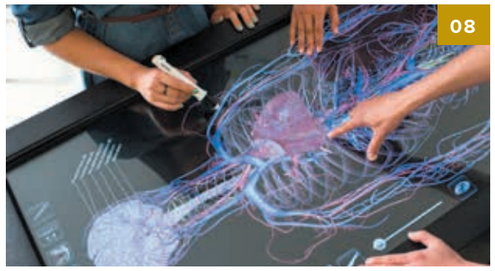
Benefit from immersive learning

Curtin has a range of learning environments that simulate real workplaces, so you can build practical expertise while you study, and step into your career with confidence.









01 Cyber Security Lab

This space is designed specifically for cyber security activities. The lab is divided into team areas so that one student team can simulate cyber attacks and the other can practise defensive strategies.

02 School of Design and the Built Environment

Based at Curtin's Exchange precinct, the School of Design and The Built Environment is a contemporary learning space that is equipped with the latest tech in assembly and prototyping to bring your designs to life. It was awarded a 6-star rating for its environmentally sustainable design, placing it among the most efficient buildings in Australia.

03 Jeanette Hacket Moot Court

Participate in simulated court proceedings at our high-tech moot court facility in Perth city and practise your debating and legal skills in global student law competitions.

04 Media production studio

Make your mark using interactive media facilities with HD and 4K-compatible technology and industry-standard digital systems for recording, post-production editing and sound mixing.

05 Simulated health industry settings

Curtin students gain practical healthcare skills in our simulated hospital ward. Our simulation equipment includes computer-controlled mannikins and moulage that enhance the realism of your learning.

06 Industry-standard trading software

Commerce and business students can get hands-on with Refinitiv Eikon trading and financial analysis software, the tools that professional stock traders use.

07 Astrodome

Featuring a live feed from a 12-inch Meade Refractor telescope, you'll have a direct link to national and global astronomy projects.

08 3D virtual anatomy

Cut, pinch, rotate and zoom on a virtual human body with our Anatomage tables.

09 Curtin Tax Clinic

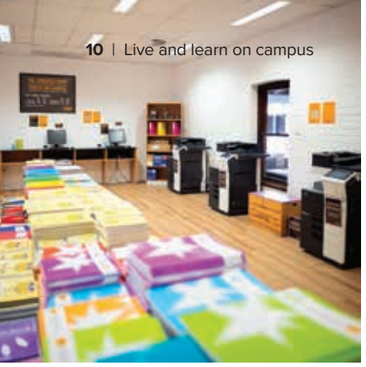
This clinic enables taxation and law students to provide real-world advice to individuals and small businesses, under the supervision of tax experts.

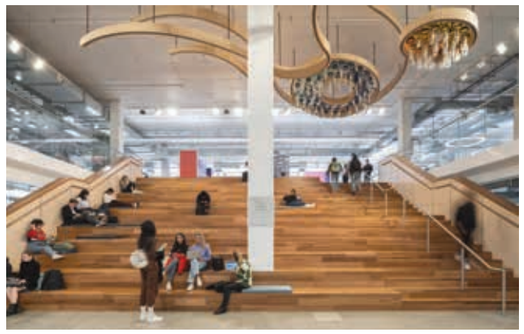
10 Green Energy Electric Park

The GEEP laboratory lets you engage in classes on renewable energy and micro-grids, with seven teaching stations dedicated to seven different types of renewable energy sources and storage.

11 PC2 superlab

Our physical containment level 2, or PC2, teaching lab lets you analyse samples and report results in the same way as an industry laboratory. It features advanced equipment to help identify and classify bacteria.





Live and learn on campus

At Curtin, you'll like the sense of connection and community both in and out of tutorials and lectures, and the collaborative learning spaces, outdoor leisure areas and activities on offer between classes.

Buy your essentials on campus

Curtin Perth has a large IGA supermarket and a G-Mart for second-hand textbooks and computer equipment, along with printing and binding facilities and a dry-cleaning outlet. You can order your books online through Booktopia and have them delivered to your door.

Exciting events

Market days, multicultural week, live music and the Guild Ball are just a few of the vibrant events on campus.

Technological convenience

Access wi-fi across the campus and charge your devices at many locations. Our computer labs are equipped with current software, graphic workstations, scanners, printing stations and smart boards.

A first-rate library

The TL Robertson Library is a beautiful, light-filled building designed to be your ideal place to study, collaborate with classmates and catch up with friends. Student spaces include group areas; an entire floor dedicated to quiet study; the Makerspace with technologies, tools and materials to get creative; a reading room with a tranquil view of the campus; plus a kitchen and a cafe. To find out more, visit **curtin.edu.au/library.**

Exercise, relax, have fun

Curtin Stadium is the home of sport and fitness on campus, offering a range of activities you can participate in at a level that suits you. The stadium has:

- a fully equipped gymnasium, group fitness studio and specialised studio
- indoor and outdoor multi-use courts
- a health and rehabilitation clinic.

To find out more, visit **curtin.edu.au/sport**.

You can also relax in the many beautiful gardens on campus, or use some of the extensive green spaces to have some fun – such as our disc golf course.

Food, glorious food

Whether you need a coffee or bubble tea, a burger or bánh mì, you can get it on campus. In addition to the IGA supermarket, we have a range of cafes and an old favourite, the Tavern.

Prioritising your health

Curtin has a range of health and wellbeing services for you on campus. They include a physiotherapy clinic and a medical centre where you can visit a doctor, occupational therapist, psychologist, counsellor or social worker. And if you have a disability, or you're caring for someone with a disability, we have dedicated support services for you.

Our Student Wellbeing Advisory service also offers confidential support for any issue that may be affecting you, to help you succeed in your studies.

Helping your journey from school to uni

At Curtin, we offer support such as peer-to-peer tutoring and library help, to make your transition from school to uni easy as can be.

O-Week

Your uni journey starts with Orientation Week, where you can get all the support and advice you need from Curtin Connect and our dedicated student advisors.

We'll help you get organised

In Building 102 our dedicated Curtin Connect team can advise you about courses and help with your application, enrolment, getting your ID card and organising your timetable.

Security and personal safety

Our Safer Community Team is here to keep you safe on campus, with 24/7 safety presence and availability, a security escort service, vehicle mechanical assistance, secure-card building access and the SafeZone security app. Plus, there are assistant call points at the main entry doors of campus buildings.

Accommodation

You'll enjoy the independence and convenience of living in our on-campus accommodation – a home where you can relax, study and socialise, and have a truly immersive university experience.

Curtin Perth has six on-campus accommodation options for you to choose from in 2025. Managed by St Catherine's College and UniLodge, all of our accommodation is close to campus and shopping amenities – offering you an easy urban lifestyle.

Benefits of living on campus

A convenient lifestyle

All accommodation is just a short walk to your classes. You're also within reach of our on-campus supermarket, food outlets and health services, and close to a shopping centre and food hub.

Plus, there are two bus stations on campus – so when you want to explore further afield, it's easy to catch a bus to cafe strips, restaurants and attractions in nearby suburbs, as well as the entertainment venues and shopping precincts of Perth city.

Cost-efficient living

Accommodation is furnished and your utilities are included in your rent. St Catherine's College residents can also have meals included. You won't need to pay a bond or security deposit, and you'll have free wi-fi and Curtin Stadium gym membership (off-peak) – all of which make living on campus even more cost-efficient and convenient.

Independence and friendship

Living on campus during your university years will give you a sense of freedom and independence. And it's easy to make connections with other residents – you'll meet people from different towns, cities, countries and cultures. Imagine the unique experiences and the friendships you'll make that could last a lifetime!

Peace of mind for parents

If you're a parent or guardian whose child is about to start their university journey, you'll appreciate how living on campus will help them transition to independent living while remaining in a safe, structured environment. An on-campus living experience will also enhance your child's engagement with their studies and campus life.

Safety and security

All the accommodation has secure access. Plus, there's staff available to help when you need it. Curtin's Safer Community Team are also on-hand to respond to any general safety and security issues.

St Catherine's College

St Catherine's College gives you a personalised, highly supportive residential experience, with fully catered options, to help you succeed in your university studies. Your rent includes tailored academic support such as tutoring and formal academic dinners.

The college features an impressive dining hall, study spaces, common areas and music rooms. It also offers a program of social events that brings residents together and helps create a thriving student community.

Book a tour of St Catherine's College

UniLodge

The five UniLodge properties at Curtin Perth offer various independent-living options – such as self-contained studios with ensuites and private rooms in shared apartments – to suit different needs and budgets. You'll become part of a culturally diverse community and enjoy a Residential Life Program filled with events and activities throughout the year.

Book a tour of UniLodge properties

Studying in Kalgoorlie?

If you're studying at Curtin Kalgoorlie as part of your course, you can live at our Agricola student accommodation. Agricola is just across from the campus and a short walk to the town centre. To find out more, visit **curtin.edu/kalgoorlie-accommodation**.

Off-campus living

If you're considering off-campus options, our Accommodation Coaches can help you with information and resources to find accommodation that suits your needs. To find out more, visit **curtin.edu/alternative-accommodation**.

To find out more about accommodation, visit **curtin.edu/accommodation**.

Managing your time

At Curtin, you're in control of your education. You'll enjoy the flexibility, as well as gaining the skills that employers look for – including goal-setting, time-management and teamwork.

Your responsibilities

University is an adult learning environment. You're responsible for submitting your paperwork, planning your timetable, attending classes and submitting your assignments. For many units, attendance and participation contribute to your grade.

Time-management

Your class times and contact hours will vary from day to day, so organise your week carefully. Use a diary or planning app to help manage your time, stay on track and monitor what's coming up.

Independent learning

As well as learning from your lecturers and tutors, you're expected to do your own learning outside of class and bring your knowledge to your next tutorial. It's a great way to gain various perspectives and ideas on a topic.

Planning your timetable

Even before your semester starts, you can plan your potential class schedule on our website and try various unit combinations to find a timetable that suits you. You can also view class information for your timetabled units. For more information, visit **timetable.student.curtin.edu.au**.

Online lectures

Echo360 is an easy way for you to watch recordings of your lectures and video-based resources prepared by your lecturers.

Three apps to help with your study sessions

1. Quizlet: This is the perfect active recall app. You can create your own flashcards for the subjects that you're studying, or use one that someone else has already created!

2. Podcastle: Turn your class content into audio. If you're an auditory learner, information retention is more successful when you listen to the content.

3. Forest: This app will help you avoid being distracted by your smartphone and stay focused on study.

Glossary

Course types

Bachelor degree

The standard university award recognised worldwide for completing an undergraduate course.

- **Double degree**: Studying two complementary bachelor degrees concurrently. For example, Bachelor of Laws and Bachelor of Arts.
- **Honours:** Additional research and coursework at an advanced level.

Postgraduate degree

A higher degree qualification and subject specialisation that can be studied once you have completed a bachelor degree.

Undergraduate study

Education that leads to your first qualification from a university, usually a bachelor degree.

Course structure

Clinical placement

Working as part of a team in a clinical setting, under supervision.

Fieldwork

An umbrella term for any approved practical work, teaching, study, volunteer or research activity, outside the normal place of university business. Fieldwork encompasses clinical placements, work placements, practicums, study tours and field trips.

Major

A series of more than eight units in the same area within a bachelor degree. A major includes at least two units at final-year level.

- **Double major:** Studying two majors within a degree course. For example, Bachelor of Commerce (Economics and Finance).

Professional placement / internship

Working in a professional environment to extend your knowledge and practical skills.

Specialisation / minor

Specialisations and minors are a series of four units in the same discipline. A specialisation or minor may complement your major or be from a different discipline. For example, you may study a Bachelor of Commerce (Marketing) and complement this with a humanities specialisation such as Korean Studies.

Stream

A series of six units in the same discipline.

Unit

A component of a course that covers one subject area in detail. A unit may comprise lectures, tutorials, class presentations, group work, computer lab sessions, case studies, workplace assignments and exams.

- **Core unit:** A compulsory unit, as specified in the course outline.
- **Elective unit:** A unit that can be chosen from any discipline as long as you meet the prerequisites.
- **Optional unit:** A unit that you choose from a specified list provided in the course outline.

Course essentials

ATAR

The Australian Tertiary Admission Rank, used for allocating places in university courses.

- **Guaranteed ATAR:** A rank that guarantees you entry to the course (provided you meet the course prerequisites and English language requirements).
- **Minimum ATAR:** The minimum rank you need to be considered for entry to a course.

Accreditation

The formal recognition of a course by an accrediting body.

Professional recognition

A formal acknowledgement of your professional status, which may be required to practise in your field, and eligibility to access services that support professionals in that field.

Duration

The time it will take to complete the course if you study full-time.

Intake

The semester or trimester when you can begin studying the course.

Location

Curtin campuses that offer the course.

Portfolio entry

A pathway into Curtin's courses if you're taking General subjects at high school, or are studying a combination of ATAR, General and/or VET certificates. It is also suitable if you've finished school without an ATAR.

Prerequisite

A subject or unit you must complete before starting a course or taking a higher-level unit.

STAT

The Special Tertiary Admissions Test (STAT) is a national test for those who don't meet university admission criteria. STAT can be used to meet entry criteria for some courses, or as a way to satisfy Curtin's English proficiency requirements if you haven't done so through year 12. For more information, visit **tisc.edu.au/static/guide/stat.tisc**.

Study mode

How much study you undertake in a semester or a trimester.

- **Domestic students**: Full-time study is three or four units per semester. Part-time study is one or two units per semester. Studying part-time reduces your weekly workload but extends the duration of your course.
- **International students**: International students studying in Australia on a student visa must study four units per semester for most courses. A small number of courses allow a study load of three units.

Other university terms

Advanced standing / credit for recognised learning

Recognition of any previous study or work experience you have that may exempt you from having to study some units of your degree.

Faculty

A teaching area comprising university schools and disciplines.

OUA

Open Universities Australia.

Semester

A 16-week study period. There are two semesters per calendar year.

TISC

The Tertiary Institutions Service Centre processes university applications on behalf of Western Australia's public universities. It also administers STAT.

Trimester

A 14-week study period. There are three trimesters per calendar year.

WACE

Western Australian Certificate of Education.

Choosing what to study

Our degrees provide opportunities to choose from a range of subjects, giving you the freedom to study towards your dream career and pursue personal study interests at the same time.

Single degrees

A single degree is three to five years of full-time study in one specific subject. You will learn about a wide range of topics within this subject, but ultimately your studies focus on your chosen area. You'll gain in-depth knowledge and graduate an expert in your field.

Double degrees

Some of our degrees can be paired with another degree to broaden your knowledge. A double degree increases your skills and knowledge across two complementary learning areas, giving you more career choices and the flexibility to adapt to changing employment trends.

Majors and specialisations

You can also tailor your learning within your degree to suit your interests and career path.

Depending on your course, you can mix majors (a series of eight* units) with specialisations (a series of four units) to broaden your professional expertise and deepen your industry knowledge – which will improve your career opportunities and ability to pursue your professional goals.

Studying specialisations can give you the exact skillset you want for your chosen career.

**Engineering majors are a series of 19 or 20 units.*

Here are some examples.

- A major in Multidisciplinary Science with a specialisation in Professional Writing and Publishing can create a career option in professional science communication.
- A major in Environmental Science with a specialisation in Law can help you make an impact in environmental policy and regulation.
- A major in Animation and Game Design with a specialisation in Innovation and Entrepreneurship can help you grow an entrepreneurial venture in game development.

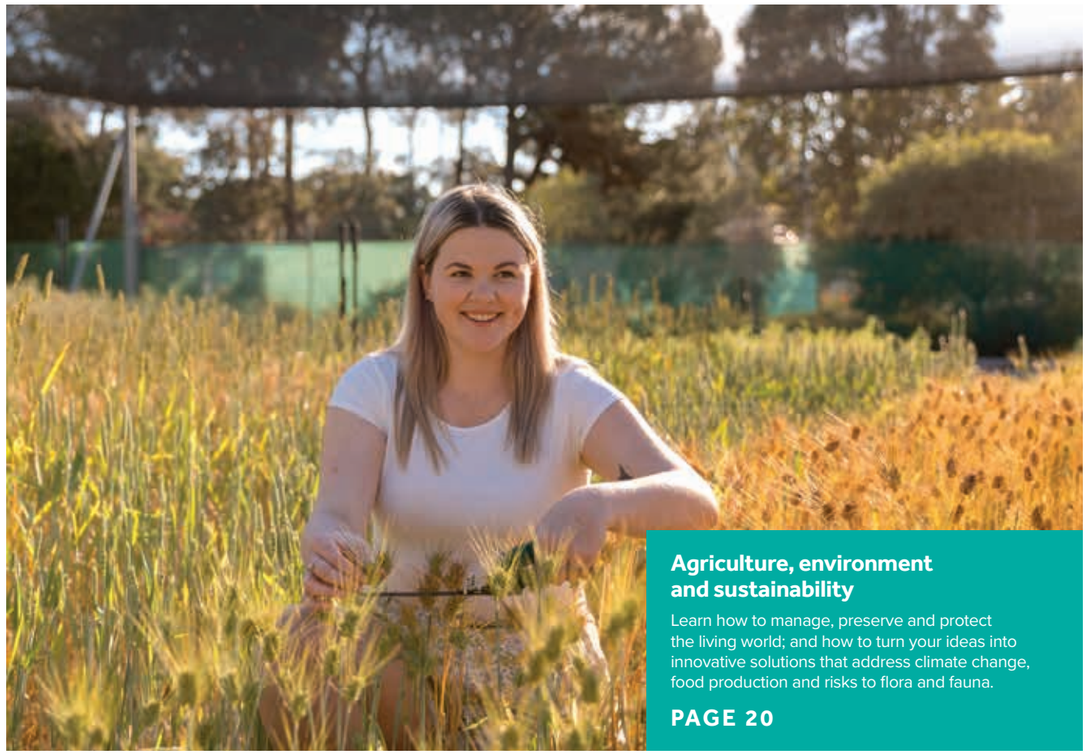
See how you can build a distinctive career that can make a difference.

Visit curtin.edu.au/specialisations.

Discover your dream career with our Find U quiz

Take our fun five-minute online quiz to reveal the courses and careers that match your personality.

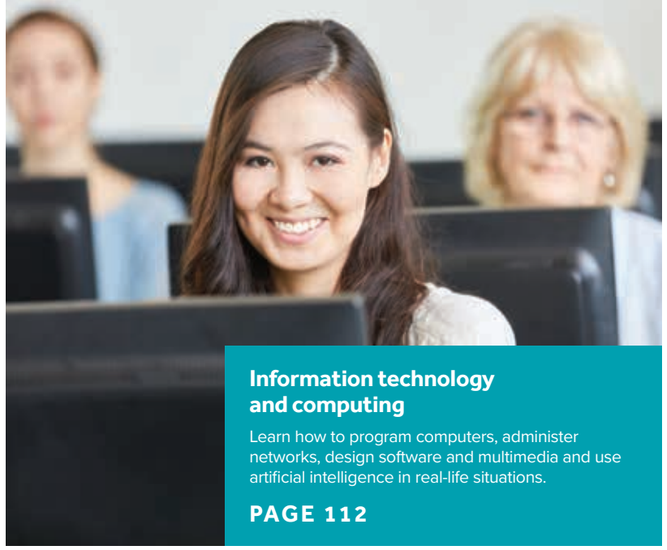
Study areas



Agriculture, environment and sustainability

Learn how to manage, preserve and protect the living world; and how to turn your ideas into innovative solutions that address climate change, food production and risks to flora and fauna.

PAGE 20



Information technology and computing

Learn how to program computers, administer networks, design software and multimedia and use artificial intelligence in real-life situations.

PAGE 112

Engineering, mining and surveying

Develop your problem-solving skills and learn to design, construct and test machines, systems, structures, materials and processes.

PAGE 76

Arts, culture and creative industries

Lead with your imagination and hone your creative skills in our excellent facilities. Learn how to turn your creativity into a viable business and make your mark on the world.

PAGE 34

First Nations

Start your university journey in a culturally appropriate environment that will help you on your career path.

PAGE 88

Education

Teachers pass on knowledge, confidence and learning – both in the classroom and beyond. Would you like to help others fulfil their potential?

PAGE 70

Health

Our health courses give you substantial hands-on experience, through fieldwork and placements in Curtin clinics and research centres, and with our industry partners.

PAGE 94

Business and innovation

Inspire others through innovative thinking and leadership, start your own business venture, or grow your capabilities in areas such as marketing, finance, tourism, property or international business.

PAGE 52

Law

Become a changemaker in the once-traditional field of law, and consider both sides of a legal challenge before choosing to stand for one.

PAGE 120

Physical sciences, geoscience and mathematics

Learn in facilities where research and discovery abound, and develop your expertise in growth areas such as biochemistry and industrial modelling.

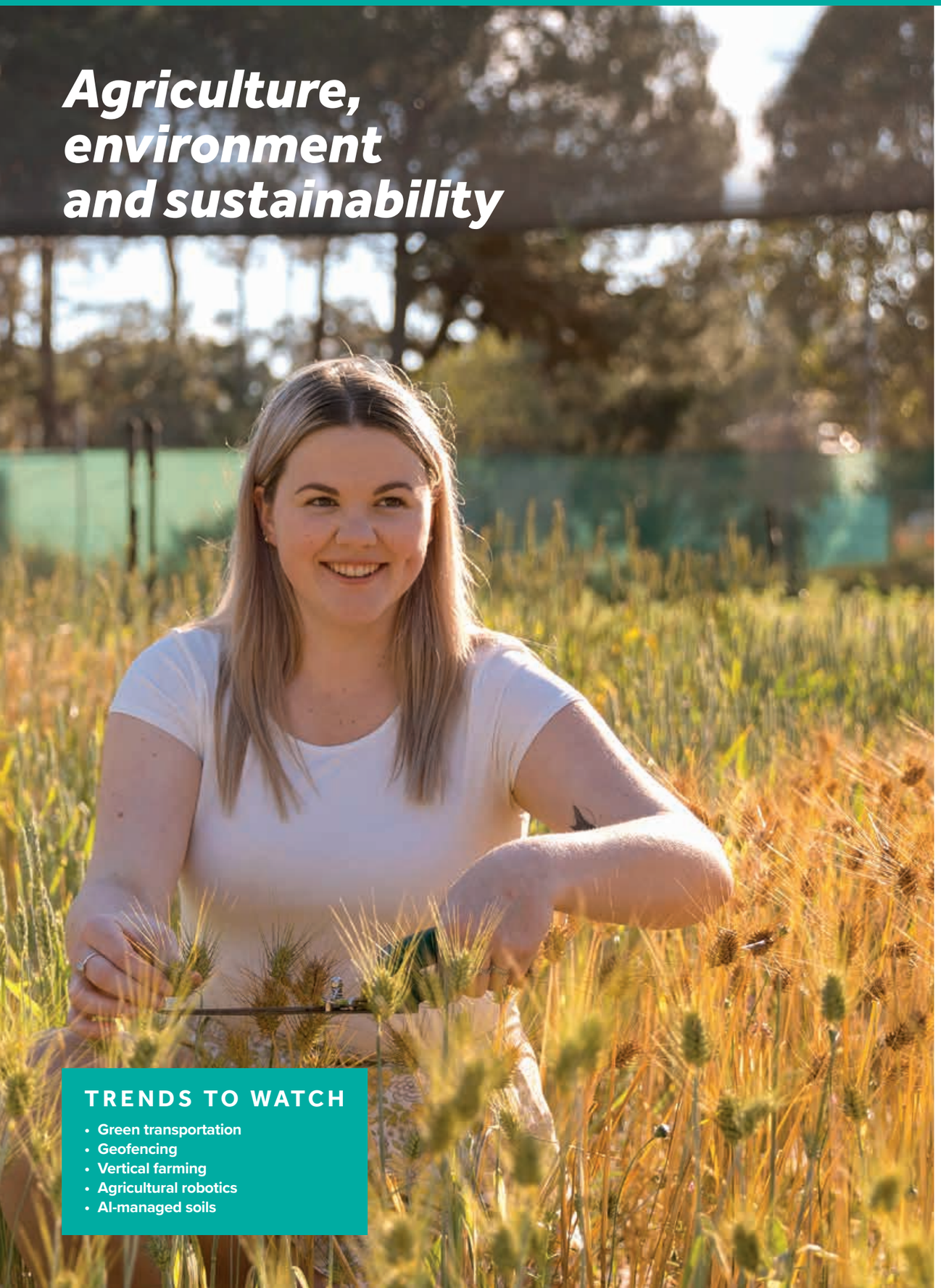
PAGE 122

Architecture and construction

Can you see the detail and beauty in structures and buildings, both inside and out? Learn how to create quality environments for people to live, work and play.

PAGE 28

Agriculture, environment and sustainability



In these courses you can learn about sustainable, economical and ethical food production. You'll examine the relationships between people, places and environments; how to conserve land and marine environments; and how to manage risks associated with climate change.

Courses

- **Agribusiness**
- **Agribusiness (Associate degree)**
- **Agriculture Science**
- **Coastal and Marine Science**
- **Environmental Science**
- **Food Science**
- **Geography**

See also

- **Advanced Science** (page 123)
- **Earth Sciences** (page 127)
- **Energy Engineering** (page 81)
- **Multidisciplinary Science** (page 132)
- **Surveying** (page 87)
- **Tourism and Hospitality** (page 69)

TRENDS TO WATCH

- Green transportation
- Geofencing
- Vertical farming
- Agricultural robotics
- AI-managed soils

Agribusiness

Gain the skills to address agricultural concerns such as food security, farming systems, climate challenges and shifting markets.

DEGREE
Bachelor of Agribusiness

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications ATAR

DESIRABLE
ATAR subjects (or equivalent):
Animal Production Systems, Applied Information Technology, Aviation, Biology, Chemistry, Computer Science, Earth and Environmental Science, Engineering Studies, Human Biology, Integrated Science, Marine and Maritime Studies, Physics, Plant Production Systems, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
029345C

LEARN MORE
curtin.edu/bach-agrib

Overview

Agribusiness links agricultural producers with consumers. It encompasses the entire food production system, from paddock to plate.

Agribusiness also has a key role in addressing global challenges such as food security and farming systems under fluctuating markets, changing climates and shifting consumer demands.

During your studies you will be introduced to the scientific knowledge and business principles of agriculture and production systems. These include soil, crop and livestock management technologies.

Working in teams and individually, you'll learn how to apply problem-solving techniques to management strategies and develop agribusiness risk- and farm-management skills.

At Curtin's field-trial site and glasshouse facilities, you'll engage in research-led activities and self-directed experiments.

During the course you'll develop links with industry experts and undertake field trips to research centres, agronomic field sites and farms. In addition, you'll complete about 38 hours of fieldwork and/or a work placement with an agriculture research, production or business organisation in Australia or internationally.

Professional recognition

Graduates may be eligible to commence the Australian Institute of Agricultural Science's professional development for Certified Practising Agriculturalist.

Careers

- Agricultural and resource economist
- Agronomist
- Biotechnologist
- Farm manager
- Farming consultant
- Grain trader
- Research trials manager
- Soil scientist

Industries

- Agriculture and precision agriculture
- Agriculture marketing
- Agricultural supply chain logistics
- Agricultural product supply
- Agronomy services
- Banking and finance
- Consultancy
- Farmer grower groups
- Farming
- Agricultural research

“I grew up in Hyden, in Western Australia’s Wheatbelt, and moved to Perth to complete a Curtin bridging course – which improved both my study skills and my confidence – before I started my Coastal and Marine Science degree.

After completing my first degree, I decided to study Agribusiness, specialising in crop and pasture management.

I really enjoy uni, although I miss my country town community, and coming to Perth to complete my degree is giving me the skills for an exciting future back in rural WA.”

Andrea Mattingly

Bachelor of Agribusiness

Agribusiness (Associate degree)

Start your journey to a career in agribusiness, or use this course as a pathway into a Curtin bachelor degree.

DEGREE

Associate Degree in Agribusiness

MINIMUM ATAR

N/A

PREREQUISITES

None

DESIRABLE

None

STAT

N/A

PORTFOLIO ENTRY

Required

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

2 years full-time

LOCATION

Muresk

CRICOS CODE

098315D

LEARN MORE

curtin.edu/ad-agrib

Overview

In this course you will gain an understanding of the agricultural systems and business principles involved in the production, processing, marketing and distribution of food.

Topics include:

- agribusiness accounting, economics, finance, management and marketing
- agricultural production systems, including animal and cropping systems
- broadacre crop and pasture science
- farm business management
- international agricultural trade
- soil and water resources.

This associate degree has been designed in collaboration with industry and includes substantial exposure to practical farm management. This industry exposure ensures that you graduate with the technical and business skills needed in agricultural production, farm management and equipment consultancy and sales.

After completing this course, you can apply to study our Bachelor of Agribusiness, with at least 12 months of credit for recognised learning (CRL).

Applying to this course

This is a portfolio entry course. We encourage school leavers with a WACE; Agricultural College students; students who have a TAFE Cert III, IV or Diploma in Agriculture; and mature-age students to apply.

If you don’t have a WACE, complete our one-semester UniReady program and then apply for entry to this course.

If you have an ATAR of less than 70 but have completed Mathematics Applications ATAR (or higher) and an ATAR science subject, you can apply for the Bachelor of Agribusiness.

Professional recognition

Graduates of this course in Australia may be eligible to commence the Australian Institute of Agricultural Science’s professional development for Certified Practising Agriculturalist.

Careers

- Agribusiness banking
- Agronomic and livestock sales
- Agronomic and livestock technical services
- Business consulting
- Commodity trading
- Agricultural export agent/consultant
- Financial management
- International marketing
- Professional farm management

Industries

- Agriculture
- Agricultural product supply
- Agriculture marketing
- Agricultural supply chain logistics
- Agronomy services
- Farming
- Banking and finance
- Consultancy
- Farmer grower groups
- Agricultural research

Agricultural Science

Gain a career-ready understanding of the science and technology of agriculture.

DEGREE

Bachelor of Science (Agricultural Science)

GUARANTEED ATAR

70

PREREQUISITES

ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE

ATAR subjects (or equivalent):
Animal Production Systems, Applied Information Technology, Aviation, Biology, Chemistry, Computer Science, Earth and Environmental Science, Engineering Studies, Human Biology, Integrated Science, Marine and Maritime Studies, Physics, Plant Production Systems

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth

CRICOS CODE

061600D

LEARN MORE

curtin.edu/bach-agric

DEGREE

Bachelor of Advanced Science (Agricultural Science) (Honours)

GUARANTEED ATAR

95

PREREQUISITES

ATAR subjects (or equivalent):
Mathematics Methods

DESIRABLE

ATAR subjects (or equivalent):
Biology, Chemistry

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION

Perth

CRICOS CODE

095949E

LEARN MORE

curtin.edu/badvsci-agsci

Overview

Agriculture is the science and practice of food and fibre production. With food production and security being important issues for developed and emerging economies, careers in agricultural production and development are available throughout the world.

There are also career options in research, extension and service provision to agriculture and horticulture industries.

Australia has the potential to be a leader in developing innovative solutions for sustainable, economical and ethical food production, across domestic and international markets.

This course will give you an industry-ready understanding of the science and technology required for the production of plants and animals for food and fibre.

As a multidisciplinary science, agricultural science builds from the basics of biology, chemistry and statistics, to the components of agricultural systems – including soil science, crop science, animal science and molecular genetics.

You’ll study topics ranging from overarching issues such as food security, sustainability and climate change, to the specifics of crop and animal production and soil health.

You’ll also be introduced to satellite-based technologies used in precision agriculture for crop, pasture and livestock management systems.

During your studies you’ll engage with Curtin-based research centres, which could lead to career options in those areas.

Professional recognition

Graduates of the Bachelor of Advanced Science (Agricultural Science) (Honours) may be eligible to commence the Australian Institute of Agricultural Science’s professional development for Certified Practising Agriculturalist.

Careers

- Agricultural management/consultant
- Agricultural and resource economist
- Agricultural scientist/technologist
- Agronomist
- Biotechnologist
- Climate scientist
- Plant breeding
- Soil scientist

Industries

- Agriculture and precision agriculture
- Agriculture and grain marketing
- Plant and animal breeding
- Farming and farmer grower groups
- Agricultural supply chain logistics
- Biosecurity
- Chemical industry
- Food security
- International agricultural aid
- Government agriculture departments

Coastal and Marine Science

Be a part of Australia's coastal and marine science community that is ensuring the sustainable management of the marine environment.

DEGREE
Bachelor of Science (Coastal and Marine Science)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Earth and Environmental Science, Marine and Maritime Studies

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-coamar

DEGREE
Bachelor of Advanced Science (Coastal and Marine Science) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
Mathematics Methods ATAR

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Marine and Maritime Studies

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/badvsci-cmsci

Overview

Marine environments around the world are increasingly vulnerable to climate change, coastal development and resources extraction.

This course responds to the growing need to protect Australia's coastal waters in particular, with an emphasis on marine biology, oceanographic sciences and resource management.

In this course you will be challenged to think as a marine scientist, developing your initiative and intellectual curiosity to help understand and protect the marine environment.

The course is delivered by staff with research expertise in fish ecology, coral reef ecology, marine pollution, seafloor mapping, sustainable fisheries and aquaculture. It has also been designed with industry input, to ensure you develop scientific and marine research skills.

During your studies you'll interact with professionals working in marine and coastal science and management organisations. These may include Curtin's Centre for Marine Science and Technology; marine science consultancies; and Western Australia's Department of Fisheries, Water and Environmental Regulation, and Department of Biodiversity, Conservation and Attractions.

Double degrees

See pages 134–135 for double degrees with Coastal and Marine Science.

Careers

- Marine scientist
- Aquaculturalist
- Ecotoxicologist
- Environmental officer
- Fisheries scientist
- Natural resource manager

Industries

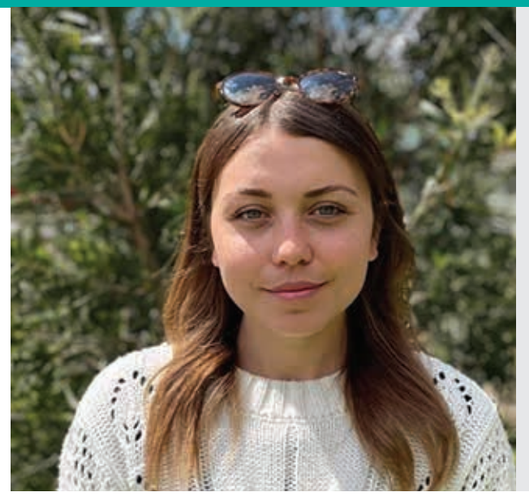
- Aquaculture
- Coastal management
- Ecotourism
- Fisheries
- Marine conservation
- Pollution control

"My Torres Strait Islander culture definitely drew me to study marine and environmental ecosystems at Curtin.

I really enjoy the practical aspect of my course and the fieldwork opportunities, which are crucial to gaining professional connections. I completed a vacation program in the Pilbara, working alongside environmental advisors on dingo management, as well as turtle monitoring and rehabilitation of native flora and protected species."

Brodie O'Breza

Bachelor of Science
(Coastal and Marine Science)



"I've always cared deeply about the state of the environment and I want to make a meaningful contribution to society, which has led me to pursue environmental studies.

The teaching staff are friendly and knowledgeable. They link theory with practical examples and provide us with opportunities to learn from industry, government and community experts.

After graduation, I hope to secure a role as environmental scientist or sustainability officer for local government. I believe education is critical to enact change and move towards a sustainable future."

Kayla Skinner

Bachelor of Science (Environmental Science)

Environmental Science

Help to solve issues related to urban and regional development, pollution, and the protection of global biodiversity.

DEGREE
Bachelor of Science (Environmental Science)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-ensci

[1] Perth intake shown.

DEGREE
Bachelor of Advanced Science (Environmental Science) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Chemistry, Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent): Biology, Earth and Environmental Science

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-envsci

Overview

Environmental scientists apply their expertise to challenges related to land degradation and biodiversity loss, urban and regional development, resources extraction and processing; and pollution. They are increasingly needed to address and avert negative impacts resulting from exploitation of the natural environment.

In this course you will gain expertise in zoology, botany, ecology, genetics, environmental management, conservation and sustainability. You'll also learn experimental design, statistics, communication and critical-thinking skills needed for environmental research.

You'll develop environmental monitoring skills through field activities, alongside laboratory and computer-based skills.

In your final year, you'll complete a capstone research unit involving field or laboratory data collection. Together with a work-integrated learning unit, this will ensure that you can apply your expertise to real-world environmental issues as soon as you graduate.

You can select from a range of specialisations to study with this major. Combining Environmental Science with the Environmental Management specialisation and a relevant minor will position you to help address current and future environmental challenges.

Double degrees

See pages 134–135 for double degrees with Environmental Science and with Environmental Biology.

Professional recognition

Graduates may be eligible for membership of the Environment Institute of Australia and New Zealand and the Ecological Society of Australia.

Careers

- Environmental scientist/consultant
- Conservation scientist/consultant
- Mine restoration consultant
- Natural resource manager
- Remediated lands consultant

Industries

- Environment
- Agriculture
- Mining and resources
- Government policy and planning
- Urban and regional planning
- Research and development

Food Science

Find your career in the expanding and diverse fields of food sciences and food securities.

DEGREE
Bachelor of Science (Food Science)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Chemistry

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-fsci

Overview

Careers in food science are diverse and challenging: one day you could be developing a new food product, and the next you could be solving technical issues on a processing line.

Food scientists develop and improve ways to process raw ingredients – including grains, fruit, vegetables, meats, and milk – into safe, nutritious and tasty foods.

As a multidisciplinary science, Food Science involves the study of biology, chemistry, nutrition, microbiology and engineering. It also includes the latest research in the handling, processing and packaging of foods, from the farm to the consumer's plate.

This degree is designed to provide a pathway to a professional career in the industry or to further study in the expanding fields of food sciences and food securities.

Careers

- Food scientist/technologist
- Food microbiologist
- Food product development
- Quality control technologist

Industries

- Food manufacturing and supply
- Food research and development
- Agricultural research
- Supermarket and grocery
- Wine and viticulture
- Airline and hospitality
- Analytical laboratories
- Food marketing and sales
- Hospitals and health agencies
- Education

Geography

Analyse opportunities and threats that arise from urbanisation, globalisation and climate change.

DEGREE
Bachelor of Arts (Geography)

LEARN MORE
See page 35 and online at
curtin.edu/bach-geogr

Overview

Geographers are social and environmental scientists who help improve our understanding of the world. They're interested in the convergence of people and the environment, and in our relationships with urban, rural, regional and remote spaces.

In this course you will gain the skills to address issues such as climate change, growth of cities, bushfires, food security and changing communities.

During your studies you'll explore migration changes, social movements and contests over space and place. You'll develop analytical and practical fieldwork skills, such as interviewing and surveying, mapping, participant observation and statistical analysis, recording field notes and writing demographic reports.

You'll also learn spatial analysis and mapping using ARCGIS and other software.

Throughout the course you'll apply your learning to local environments during fieldtrips within Perth, Fremantle and the Wheatbelt.

You'll also benefit from our strong links with local communities and industries, as well as our Sustainable Livelihoods program with Papua New Guinea.

Double degrees

See pages 134–135 for double degrees with Geography.

Careers

- Bushfire management consultant
- Community development officer
- Demographer
- Environmental assessor
- Secondary school teacher[1]
- Landcare advisor
- Natural resource manager
- Regional development coordinator
- Spatial analyst
- Sustainability officer

[1] *Requires an additional teaching qualification.*

Industries

- Disaster management
- Education
- Environmental assessment
- Government
- International development
- Natural resource management
- Regional planning and development
- Sustainability

"The Geography course taught me skills that I can apply in many different career paths – sustainability management, mapping technologies, field research, and topics like natural hazards and new and emerging geographical theory.

Throughout my studies the teaching cohort have always been great academic mentors and have consistently shown genuine care."

Max Rocci
Bachelor of Arts (Geography)

Architecture and construction

The growing need for infrastructure provides opportunities to work on diverse projects, from designing houses, parks and collaborative spaces, to building hospitals, shopping centres and transport routes.

In these courses, you will learn to create quality environments, take new approaches to visual ideas and celebrate futuristic possibilities.

Courses

- Architectural Science
- Construction Management
- Interior Architecture
- Urban and Regional Planning

See also

Civil and Construction Engineering (page 80)

TRENDS TO WATCH

- Flexible workspaces
- Landscaped hotel lobbies
- Glass curtains
- Passive houses
- Organic architecture

#1 IN WA FOR ARCHITECTURE

Curtin ranks first in Western Australia and in the top 25 universities globally for architecture. (QS World University Rankings by Subject 2023)

“I was excited to see that Curtin had the best ranking for Architecture in WA and was among the best in Australia.

The course structure, focus on industry-readiness and the overall atmosphere at Curtin were also big draw cards.

The course lets you explore all sorts of creative avenues, and the tutors are super supportive in helping you achieve your goals.”

Niamh Aitken-Lombardo

Bachelor of Applied Science (Architectural Science)

Architectural Science

From designing houses and parks to building hospitals and shopping centres, the growing need for infrastructure opens many career opportunities.

DEGREE

Bachelor of Applied Science (Architectural Science)

GUARANTEED ATAR

70

PREREQUISITES

None

DESIRABLE

ATAR subjects (or equivalent): Mathematics Applications, Physics, Visual Arts

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth

CRICOS CODE

003868A

LEARN MORE

curtin.edu/bach-arch

Overview

Architecture combines creative practices of architectural design with the cultural, social, technical and sustainability issues of the built environment.

In this course you will study the relationship between the natural and constructed environment, the architectural proposition and the occupation of space.

This course is taught by academic staff, industry practitioners and guest lecturers. You'll also benefit from valuable industry experiences. For example, design company GHDWoodhead and government entity Water Corporation have both provided hands-on design opportunities to Curtin students. Our students have also enjoyed opportunities to work with key industry consultants such as Woods Bagot, Cox and Hassell.

This major is also a direct pathway to the two-year accredited Master of Architecture qualification.

Professional recognition

To pursue a career as an architect in Australia, you must be registered with the relevant state's Architects' Board.

Curtin's accredited Master of Architecture program fulfils one of the pathways to registration, when combined with relevant professional experience and successful completion of the Architectural Practice Examination.

Careers

- Building consultant
- Draftsperson
- Architect (after completing the Master of Architecture)

Industries

- Building and construction
- Local government

Construction Management

Prepare for a professional career in building and construction with this management-oriented course.

DEGREE

Bachelor of Applied Science (Construction Management)

GUARANTEED ATAR

70

PREREQUISITES

None

DESIRABLE

ATAR subjects (or equivalent): Mathematics Methods or Mathematics Specialist

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2[1]

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION

Perth, Malaysia

CRICOS CODE

010548C

LEARN MORE

curtin.edu/bach-conm

[1] Semester 2 intake is suitable for students wanting to study part-time and those with sufficient credit for recognised learning.

Overview

Construction managers work across a range of interrelated disciplines on residential, commercial and infrastructure projects.

This is a management-oriented course taught by dedicated professionals with construction-related qualifications and experience, and designed in collaboration with Curtin's industry partners – including the Australian Institute of Building, Master Builders Western Australia, Broad Construction and Laing O'Rourke.

This major will prepare you for career roles in the building and infrastructure construction industries. Your learning will encompass:

- construction technologies
- quantity measurement
- project planning and management
- strategy and financial management
- contract administration
- construction law
- cost estimating, planning and management
- communication skills.

You'll complete projects and assignments related to the construction industry.

During your studies you'll have the opportunity to visit construction sites in Perth and participate in international study trips. You'll also undertake 80 days of work experience before graduating.

In your fourth year you may complete a supervised research project in the honours stream.

Professional recognition

This course is accredited in Australia by the Australian Institute of Quantity Surveyors and by the Australian Institute of Building; and accredited in Australia and internationally by the Royal Institution of Chartered Surveyors; and accredited in Malaysia by the Board of Quantity Surveyors Malaysia.

Careers

- Construction manager
- Contract administrator
- Project manager
- Building technician
- Property developer
- Building surveyor
- Building contractor
- Estimator
- Quantity surveyor

Industries

- Building and construction
- Local government
- Infrastructure
- Mining and energy

Interior Architecture student Zoe Thomas completed a Planet Positive specialisation to learn how to help combat climate change in her career. She also gained a New Colombo Plan Scholarship for a study trip to Singapore.

“Electives such as Planning Graphics and Design, in addition to the Sustainability Challenge and Start-Up Business Planning, have given me new aspirations for my future career.

This included learning about sustainability in practice and how my interior design background can enable me to move into the planning, architecture and design realms.”

Zoe Thomas

Bachelor of Applied Science (Interior Architecture)

Interior Architecture

Design attractive and sustainable interiors using visual ideas that work with changing trends and future lifestyles.

DEGREE

Bachelor of Applied Science (Interior Architecture) (Honours)

GUARANTEED ATAR

70

PREREQUISITES

None

DESIRABLE

None

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2[1]

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION

Perth

CRICOS CODE

023967K

LEARN MORE

curtin.edu/bach-intarch

[1] Semester 2 intake is suitable for students wanting to study part-time and those with sufficient credit for recognised learning.

Overview

Interior designers offer creative, proactive and innovative design solutions.

In this course you will develop a solid foundation in critical design thinking and theory relating to human occupation, and explore how the human experience is central to interior architecture.

You will learn key employability skills including communication, creative problem solving and collaborative work practice. You'll also learn to consider environmental impact and sustainability by anticipating various scenarios and predicting the consequences of current actions.

Through work-integrated learning opportunities, you'll work on real projects, undertake site visits, create site documentation and deliver client briefings. You may also pitch design concepts to real clients and practitioners.

Before graduating, you must have completed at least 80 hours of relevant work experience.

Specialisations

As part of the course you can choose to study one of the specialisations below, to gain knowledge in a particular area that aligns with interior architecture:

- Animation and Game Design
- Architecture
- Construction Management
- Design Thinking and Visual Communication
- Digital Design
- Graphic Design
- Photography
- Principles of Planning
- Urban Design and Planning.

Honours

This course is a four-year embedded honours program that incorporates applied design research in the final year. This provides you a significant advantage when entering the workforce,as the demand for research-informed design is increasing.

You also have the option to exit the course after three years, graduating with a Bachelor of Applied Science (Interior Design).

Professional recognition

This degree is recognised by the International Federation of Interior Architects/Designers. Students and graduates are eligible for membership of the Design Institute of Australia.

Careers

- Interior designer/architect
- Furniture and lighting designer
- Heritage and conservation specialist
- Indoor comfort consultant
- Event and exhibition designer
- Designer of immersive environments
- Colour consultant
- Design stylist
- Design writer

Industries

- Interior design and architecture
- Building and construction
- Furniture and furnishing
- Lighting
- Arts and culture
- Trade shows, exhibitions and events
- Publishing

Urban and Regional Planning

Improve the ways cities and regions respond to current and future challenges.

DEGREE

Bachelor of Urban and Regional Planning

GUARANTEED ATAR

70

MINIMUM ATAR

70

PREREQUISITES

ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE

None

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION

Perth

CRICOS CODE

003903C

LEARN MORE

curtin.edu/bach-urplan

Overview

In this course you will gain the expertise that underpins innovative planning practices and contributes to the development of a sustainable future for communities.

You'll learn how to balance public and private interests and consider various competing social, economic, environmental, legal and political dimensions to formulate strategies for sustainable land use and development.

You'll then implement those strategies through urban management and development control processes.

Each semester you can complete fieldwork in planning projects that will help you learn core industry skills. Projects may be undertaken with Curtin's industry partners (for example, the Department of Biodiversity, Conservation and Attractions; City of Bayswater; and Public Transport Authority) – opportunities that can provide valuable links with future employers.

You may also be interested in overseas internships, fieldwork units and study tours – and explore ways to apply your planning skills in various global and cultural contexts.

After completing this course, you'll graduate with comprehensive expertise relating to land-use planning, design, economics, law, professional communication and ethical and professional practices.

Course structure

You will study core units and specialise in one of these areas:

- Environmental Planning
- Graphics
- International Development
- Landscape and Natural Resource Management
- Social Inclusion and Equity.

Professional recognition

This course is accredited with the Planning Institute of Australia.

Careers

- Planner
- Urban designer
- Developer
- Government project and policy officer
- Urban planning and development consultant

Industries

- Community development and engagement
- Environmental planning
- Transport planning
- Sustainable development
- Land-use planning
- Regional and rural planning
- Planning law
- Urban design

“As part of my degree I had the opportunity to do work experience at Hames Sharley for three months, which turned into casual employment for one year.

When I was there, I was assisting the planning team with their projects – writing reports, taking photos and mapping data. It helped significantly to understand the real-life world of planning and how an office works and functions.”

Reuben Black

Bachelor of Arts (Urban and Regional Planning)

Arts, culture and creative industries

TRENDS TO WATCH

- Microinfluencers
- K-culture
- AI art
- 3D hyper-surrealism
- Theatre VR

If you're ready to make your mark on the world, these courses develop your creativity, encourage you to explore new technologies and apply critical thinking to real industry situations.

The courses are flexible, so you can follow your interests and create a unique, tailored program from a variety of disciplines.

Courses

Arts

- Anthropology and Sociology
- Chinese
- Creative Writing
- Digital and Social Media
- English and Cultural Studies
- History
- Indigenous Australian Culture
- International Relations
- Japanese
- Journalism
- Korean Studies
- Professional Writing and Publishing
- Security and Strategic Studies

Communications

Creative Arts

- Fine Art
- Screen Arts
- Theatre Arts

Design

- Advertising and Design
- Animation and Game Design
- Design Innovation and Fabrication
- Digital Experience and Interaction Design
- Fashion Design
- Graphic Design
- Photography

See also

Geography (page 26)

Law (page 120)

Arts

Ideal for imaginative individuals, our Arts courses will develop your creativity and your critical thinking.

DEGREE
Bachelor of Arts

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent):
Geography major: Geography
History major: Modern History or Ancient History

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, online

CRICOS CODE
068750M

LEARN MORE
curtin.edu/bach-arts

Overview

The Bachelor of Arts is a flexible degree where you can tailor your studies to your creative passions and career goals.

All of our majors combine theoretical study and practical, industry-relevant content, so that you graduate confident and ready to start your career.

Professional recognition

Arts majors are designed, wherever possible, to conform to the membership standards of relevant professional bodies. Refer to individual majors for specific professional recognition and accreditation information.

Customise your Arts degree

At Curtin, you can study disciplines of your choice and gain an Arts degree that is customised to your career interests and your passions. Customise your degree by first choosing your Arts major (step 1) and then complementing it with one of four options (step 2).

Step 1: Choose your major

Select an area that inspires you:

- Anthropology and Sociology
- Chinese
- Creative Writing
- Digital and Social Media
- English and Cultural Studies
- Geography
- History
- International Relations
- Japanese
- Journalism
- Korean Studies
- Professional Writing and Publishing
- Security and Strategic Studies

Step 2: Complete your degree structure

This step usually happens after you accept Curtin's offer for your chosen major. Each of the options outlined below are subject to availability.

Option 1: Add a second major

With this option you benefit from studying two disciplines in equal depth and graduating with a double major. You can choose a second Arts major, a Creative Arts major, a Commerce major or a Science major.

Option 2: Two specialisations

Choose two specialisations in any study area to complement your major – Chinese, Marketing, Human Rights, Journalism and Web Media, for example. To see the full list of specialisations, visit **curtin.edu/specialisations**.

Option 3: A specialisation and electives

Choose a second specialisation to gain expertise in another field. Then, choose four elective units in which you meet the unit prerequisites. To see the full list of specialisations, visit **curtin.edu/specialisations**.

Option 4: Electives

Choose eight elective units in which you meet the unit prerequisites.

Anthropology and Sociology

Gain an advanced understanding of what it means to be human and how societies function.

DEGREE

Bachelor of Arts (Anthropology and Sociology)

LEARN MORE

curtin.edu/bach-antso

Overview

In our world of increasing globalisation and cultural shifts, many employers need the expertise of those with a deeper understanding of human behaviours.

Anthropology is the study of what it means to be human through the lens of cultural diversity. Sociology examines how human actions are shaped by social groups and wider economic, political and social pressures. Both disciplines explore the comparative study of human societies in all their historical and contemporary visions.

This major draws on the strengths of the two interlinked fields. You will focus on local and global contexts to explore how cultural practices, institutions, social groups and everyday lives are being transformed within the context of globalised communication and economic, political and environmental change.

You'll study contemporary issues related to identity, family life, gender relations, language use, sustainability and development, social justice and human rights.

Throughout your studies you'll develop the conceptual skills to respond to those local and global changes, and learn how to do research in the social sciences.

Double degrees

See pages 134–135 for double degrees with Anthropology and Sociology.

Careers

- Anthropologist
- Sociologist
- Heritage specialist

Industries

- Allied health
- Consultancy
- Education
- Heritage
- Information technology
- Journalism
- Government
- Media and creative arts
- Public relations
- Urban planning

Chinese

Gain the skills required for a diverse international career, through knowledge of the world's most spoken first language.

DEGREE

Bachelor of Arts (Chinese)

LEARN MORE

curtin.edu/bach-chnse

Overview

Spoken by 1.3 billion people, Chinese is the world's most spoken first language. China also has one of the world's most vibrant economies, and is a major trade partner of Australia.

With Asia's continuing social and economic growth, an understanding of Chinese language and culture is increasingly important in global engagement.

In thiis major you will gain the knowledge and skills required for a diverse international career. You'll develop a high level of literacy in Chinese – listening, speaking, reading and writing – and a deep understanding of Chinese culture and society.

This major is suitable for all students. Previous study of Chinese is not required and advanced classes are provided for students who have studied Chinese previously.

Double degrees

See pages 134–135 for double degrees with Chinese.

Careers

- Research officer
- Foreign affairs and trade officer
- Interpreter/translator
- Tourism information officer
- Your guide
- Welfare worker
- Teacher – English as a Second Language[1]

[1] Requires an additional teaching qualification.

Industries

- Education
- Foreign affairs and trade
- Global business
- Government and public service
- International relations
- Media
- Resources
- Public service
- Tourism

"After my degree, I started working for Perenti, a mining services company with more than 8000 employees as a communications advisor.

I used my Digital and Social Media studies to roll out Workplace by Meta to all Australian frontline employees who don't have access to emails or intranet.

Now, about 70% of our workforce based on mine sites have their own digital communities to share everything from rosters to pictures of pets."

MJ Rowan

Bachelor of Arts (Digital and Social Media; Professional Writing and Publishing)

Creative Writing

Develop your writing skills in fiction, poetry and experimental and emerging genres.

DEGREE

Bachelor of Arts (Creative Writing)

LEARN MORE

curtin.edu/bach-crwri

Overview

Do you enjoy expressing your creative side through writing? Are you an aspiring author or poet? The standout feature of a creative writing career is the ability to contribute to and influence culture through an understanding of writing conventions and literary techniques.

In this major you will gain the knowledge and techniques that writers need in the age of digital communication and entertainment. You'll develop skills across various writing styles, including fiction, poetry and experimental and emerging genres.

You'll benefit from the advice of Curtin's experienced tutors (many of whom are acclaimed authors) and through critical engagement with your creative peer group.

Double degrees

See pages 134–135 for double degrees with Creative Writing.

Careers

- Copywriter/writer
- Publisher
- Editor

Industries

- Publishing
- Advertising
- Creative arts

Digital and Social Media

Explore the human side of the internet and graduate ready for careers in digital and social media strategy.

DEGREE

Bachelor of Arts (Digital and Social Media)

LEARN MORE

curtin.edu/bach-netcm

Overview

This course explores the social, cultural and political impacts of the internet, and digital and social media platforms.

You will learn the fundamentals of online communications: how people network, create, collaborate and share information through digital and social media platforms, for a range of different purposes and career paths.

Throughout the course, you'll build practical and advanced skills in creating, maintaining and managing online communications across web media, publishing and presence; and develop expertise in online collaboration and community management.

You'll learn how to mobilise digital and social media to promote products, causes and interests.

You'll also explore how digital and social media are reshaping political systems, cultures, societies and economies, and how to use digital and social media to make the world a better place.

After completing your course you'll have the career-ready skills for diverse roles in digital and social media; and strategy, content and policy.

This course can also be studied within the Web Media specialisation of the Bachelor of Communications.

Double degrees

See pages 134–135 for double degrees with Digital and Social Media.

Careers

- Online content creator
- Web designer/developer
- Social media coordinator
- Web communications manager
- Digital producer/strategist
- Data business analyst
- Policymaker

Industries

- Media and communications
- Advertising and marketing
- Research and policy
- Non-profit and community sector

English and Cultural Studies

Explore the power of culture and language and examine how societies operate in the past, present and future.

DEGREE

Bachelor of Arts (English and Cultural Studies)

LEARN MORE

curtin.edu/bach-engcs

Overview

This course explores how meanings and values are circulated in society through textual forms, cultural conventions and social practices.

If you are interested in cultural texts and social issues; and developing your creative and critical thinking, research and writing skills, this course is for you.

You'll critically analyse contemporary texts, including literature, film, digital and social media, to understand how they encode and reflect cultural traditions.

Throughout your studies you'll develop a thorough understanding of how society came to be the way it is, and how to foster social change for the better.

Double degrees

See pages 134–135 for double degrees with English and Cultural Studies.

Careers

- Arts administrator
- Public relations officer
- Journalist
- Copywriter/writer
- Conservator
- Researcher

Industries

- Media and communications
- Education
- Government

Geography

DEGREE

Bachelor of Arts (Geography)

See page 26.

History

Investigate how the modern world emerged and the forces that are likely to shape the future.

DEGREE

Bachelor of Arts (History)

LEARN MORE

curtin.edu/bach-histr

Overview

By studying history, you will gain an understanding of how societies experienced the past and how this shapes the world we live in today.

You'll learn about the forces that have influenced the modern world, including nationalism, democracy, conflict and war, and gender and sexuality.

In this course you'll have the opportunity to study and apply various approaches to researching and writing history.

History graduates contribute to addressing a wide range of society's most complex issues. Studying history develops your skills to identify and critically interpret evidence and enables you to explain the causes and consequences of political, environmental and social change. These skills are essential for a range of careers.

Double degrees

See pages 134–135 for double degrees with History.

Careers

- Historian
- Research officer
- Archivist
- Policy advisor
- Heritage consultant
- Data manager
- Museum curator
- Secondary school teacher[1]

[1] Requires a postgraduate teaching qualification.

Industries

- Non-government organisations
- Local, state and federal government
- Defence and security
- Environmental and mining industries
- Media, arts and creative industries
- Education
- Tourism
- Consulting

Indigenous Australian Culture

Gain the understanding to challenge dominant worldviews and prepare for diverse roles that require knowledge of Aboriginal and Torres Strait Islander identity, history and connection to Country.

DEGREE

Bachelor of Arts
(Indigenous Australian Culture)

LEARN MORE

curtin.edu/bach-arts

Overview

In this course you will learn to identify the key components of Aboriginal and Torres Strait Islander identity and explore cross-cultural and Indigenous ways of seeing and knowing. You'll gain a strong understanding of Indigenous Australian communities and worldview, and be able to contrast that with the dominant worldview.

You'll also learn about the events and ideas that led to the development of colonial, political and ideological structures; and how to challenge dominant discourses of development – including in the context of the United Nations Declaration on the Rights of Indigenous Peoples.

You'll explore the importance of land and sea in Indigenous Australian culture and learn how to appraise the significance of sacred and significant sites within local and global contexts. This knowledge will also help you to apply appropriate cultural competencies when engaging with Indigenous artists.

This course includes on-Country experiences and study tours, and you'll have access to the facilities of Curtin's renowned Centre for Aboriginal Studies.

Upon completing this course you'll have the skills for diverse professional roles, including in government departments, the private sector and Indigenous organisations.

Careers

- Aboriginal support officer / consultant
- Indigenous culture consultant
- Heritage consultant
- Tourism and travel consultant
- Curator
- Museum officer / consultant
- TAFE teacher[1]
- Researcher / research assistant

[1] May require an additional teaching qualification.

Industries

- Arts
- Tourism
- Regional development
- Health
- Mining and energy
- Education
- Foreign affairs

International Relations

Study the art of diplomacy and policy-making, and explore contemporary global issues.

DEGREE

Bachelor of Arts (International Relations)

LEARN MORE

curtin.edu/bach-intrl

Overview

International relations is a dynamic, multidisciplinary field that investigates the diplomatic, normative and economic relationships between different political bodies.

This course explores contemporary global issues through various analytical frameworks of political theory, international relations theory, foreign policy, strategic studies and political history.

You'll study the art of diplomacy and policymaking, geopolitical change and national and regional security in military, political and geo-economic contexts.

You'll also delve into the key political and regional issues impacting Australia – with an emphasis on the Indo-Pacific region – and examine statecraft, international trade, environmental change and emerging technologies.

On completing this course you'll have a comprehensive understanding of the actors, institutions and processes of international politics and organisations. In addition, you'll have developed skills in critical analysis, problem-solving and written and oral communication – all of which underpin influential careers in international relations.

When coupled with Business Law or Economics you can complete this major as part of the Bachelor of Commerce.

Double degrees

See pages 134–135 for double degrees with International Relations.

Careers

- Diplomat
- Intelligence analyst
- Cybersecurity analyst
- Signals analyst
- Government agent
- Journalist
- Thinktank researcher
- United Nations political affairs officer
- Strategist
- Foreign policy
- Public servant

Industries

- Diplomacy
- International trade
- Intelligence
- Defence and military
- Law enforcement
- Government
- International aid and development
- International law

Japanese

Gain a high level of literacy in Japanese and an advanced understanding of Japanese culture.

DEGREE

Bachelor of Arts (Japanese)

LEARN MORE

curtin.edu/bach-japan

Overview

Japanese is a fascinating language that comprises several written systems and is spoken by 135 million people worldwide.

Japan is one of Australia's top three trade partners and a gateway to Asian nations that are rapidly changing and rich with career opportunities.

In this major you will gain a high level of literacy in Japanese and an advanced understanding of Japanese culture.

Prior study of Japanese is not required for this course – classes range from beginners who have no prior study of Japanese, to advanced classes for students who have studied the language previously.

The teaching methods that are applied to both spoken and written language use the latest technology and cultural awareness activities.

You'll graduate ready to explore career opportunities in Japan and bilingual roles in Australia and internationally.

Double degrees

See pages 134–135 for double degrees with Japanese.

Careers

- Interpreter/translator
- Trade measurement officer
- Hotel/motel manager
- Tourism officer
- Flight attendant

Industries

- International trade
- Diplomacy
- Banking and finance
- Foreign affairs and trade
- Mining and minerals production
- Government/public service
- International relations
- International media
- Education
- Tourism and hospitality

Journalism

Use your creative flair and investigative skills to create content for radio, television and online platforms.

DEGREE

Bachelor of Arts (Journalism)

LEARN MORE

curtin.edu/bach-journ

Overview

Curtin has a reputation for producing highly skilled journalists able to research, investigate and report on topics across mainstream and independent media platforms.

In this major you will learn to research and prepare news, features and other content for radio, video and online platforms.[1]

[1] If you're interested in additional communication fields such as web media, marketing or graphic communication, our Bachelor of Communications may be the better option for you.

You'll learn theory and practical skills from staff with strong industry experience and connections.

During your studies you'll use industry-standard media facilities and platforms. These include our new media production studio, Curtin FM radio and the student online news publication, *Western Independent*.

You may also complete a professional placement unit, which provides valuable opportunities to undertake work experience with potential employers.

When coupled with Public Relations, you can complete this major as part of our Bachelor of Arts or Bachelor of Commerce. Your choice will determine your core units.

Double degrees

See pages 134–135 for double degrees with Journalism.

Careers

- Journalist (online, video, radio)
- Media presenter
- Communications officer
- Public relations consultant
- Media relations consultant
- Digital media officer

Industries

- Media
- Business
- Government

Korean Studies

Gain a strong understanding of Korean culture and language, expand your career opportunities through intercultural literacy and learn skills in global engagement.

DEGREE

Bachelor of Arts (Korean Studies)

LEARN MORE

curtin.edu/bach-korea

Overview

Worldwide, Korean is the fastest-growing language among non-native speakers, and with the global popularity of K-pop and K-dramas, the interest in Korean culture is no surprise.

In Australia, over the past decade there's been increasing awareness of Korean studies as a language/culture-based studies area, and Korea–Australia relations are growing in economic, political and intercultural importance. As a result, there is a growing demand for graduates in Korean studies.

In this course you will explore Korean society, culture, history, politics and international relations and gain strong competency in the Korean language. You'll also delve into some of the most intriguing societal and cultural issues of the Korean peninsula, ranging from South Korea–North Korea relations to the success of Hallyu, which refers to the rising wave of popularity of South Korean culture.

The course will give you a transformative learning experience so that you can work and engage comfortably in diverse cultural environments – an attribute that is increasingly vital as cultures and industries become more globally entwined.

Importantly, the language learning incorporates in-class activities that have a strong focus on active learning and developing communication skills in real-world contexts.

You do not need prior knowledge of the Korean language, or any other Asian language, to study this major.

Double degrees

See pages 134–135 for double degrees with Korean Studies.

Careers

- Communications, marketing and media consultant/officer
- Diplomat
- Foreign policy advisor
- Language specialist
- Education professional
- Policy consultant or researcher
- Travel and tourism business development manager
- Exports advisor

Industries

- Global business
- Cultural enterprise
- Cultural development
- Energy
- International relations
- International trade
- Non-government organisations (NGOs)
- Journalism
- Public service

Professional Writing and Publishing

Learn how to research, write, edit and publish a range of material, for a career in professional communications.

DEGREE

Bachelor of Arts
(Professional Writing and Publishing)

LEARN MORE

curtin.edu/bach-prwp

Overview

Employers across all sectors need people who can research, write, edit and publish informational and creative content.

In this major you will develop your skills and knowledge in many genres and styles of writing and publishing practice, while exploring your creativity.

You'll learn to produce and edit feature articles, speeches, reports, discussion papers, website content, creative nonfiction, media releases and other forms of content for the workplace.

You'll also learn about copyright, censorship, plagiarism and the ethics of writing in the public domain.

In your final semester, you may have the opportunity to undertake a professional placement with an industry employer.

Double degrees

See pages 134–135 for double degrees with Professional Writing and Publishing.

Careers

- Copywriter/writer
- Editor
- Publisher
- Media and communications advisor
- Writer
- Social media content creator
- Blogger

Industries

- Media
- Publishing
- Government / public service

Security and Strategic Studies

Learn the art of strategy and leadership, and understand present and future threats.

DEGREE

Bachelor of Arts (Security and Strategic Studies)

LEARN MORE

curtin.edu/bach-security

Overview

National security and defence has become one of the most critical factors of everyday life.

Security and Strategic Studies is a timely, in-demand and highly relevant field that investigates and explains security challenges associated with:

- traditional threats (military, security)
- asymmetric threats (terrorism and insurgency, and organised crime)
- other risk factors such as energy security and climate change.

In this course you will become a strategic thinker and leader, who understands major dilemmas that profoundly impact national and international sustainability, prosperity and sovereignty.

You'll study an exciting curriculum where you'll learn contemporary strategic and defence thinking and planning, intelligence analysis, strategic leadership, ethics, policy planning and decision-making.

Topics may include the human security impact of nuclear tests conducted on the land and sea of traditional owners; and the impact and legacy of Australia's frontier wars.

You'll also acquire skills in intelligence and critical analysis, crisis management and problem-solving, written and oral communications – all of which underpin successful careers in policy, strategy, leadership and management.

This course will give you industry-ready, practical skills. It is ideal if you are looking for a career in defence, intelligence, analysis and strategic policy or law enforcement. It is also useful for careers in business, particularly the security industry, critical infrastructure and resource sectors.

Double degrees

See pages 134–135 for double degrees with Security and Strategic Studies.

Careers

- Intelligence officer
- Business analyst
- National security analyst
- Logistics specialist
- Cryptologist

Industries

- Defence
- Government
- Law
- Resources
- Business and finance
- Transport

"I chose this course because I wanted to discover what a career in publishing could look like.

I loved the opportunities that were available to us throughout the course, and I got to do a communications internship at Regional Arts WA.

In a roundabout way, doing publishing gave me the skills I needed to move my way into my current marketing position, by teaching me skills of writing, editing, and the psychology of what people want to read and consume."

Matylda Bejger

Bachelor of Arts (Professional Writing and Publishing)

Communications

Gain training and professional skills for traditional and emerging media and communication careers.

DEGREE
Bachelor of Communications

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Dubai, Malaysia, Mauritius, Singapore, online

CRICOS CODE
018629D

LEARN MORE
curtin.edu/bach-mascoms

[1] Perth intake shown

Overview

In this course you will gain expertise in a variety of communications areas including journalism, digital media, screen production, public relations, marketing and graphic design.

You'll study subjects in media, design and business, gaining foundational knowledge in media and corporate communications and the scope to specialise in two fields of your choice.

You'll also develop critical thinking and practical skills, using commercial-level equipment to produce content for print, radio, film, television and online media.

In your first year you'll be introduced to the different spokes of communications and study optional units that reflect or refine your learning in specific communication areas.

In your second and third years you'll choose two specialisations to study: one media specialisation and one design or communications specialisation, or two media specialisations.

Media specialisations

Corporate Screen Production

This specialisation introduces you to advertising and promotion, corporate communications and informational and educational media.

You'll tell visual stories that either effect social change, or deliver an original visual idea, working collaboratively with non-profit community organisations on an approved project to create media content in a professional environment.

You'll also develop an understanding of studio-based production in a practical, production-oriented environment. You'll work collaboratively in authentic industry roles to produce a television project.

Journalism

The study of journalism encompasses many of the most important areas for learning and discussion in the world right now: truth, fake news, freedom of speech, cancel culture, democratic structures, media literacy and critical thinking.

In this specialisation you will learn practical reporting skills such as research, interviewing, writing and presenting. You'll be introduced to contemporary multimedia journalism and learn how to report for audio, video and online.

Web Media

This specialisation provides a pathway to a career in the expanding field of web-based media and communications, from website creation to online community management. It emphasises social media and networking, and units combine practical components with core concepts to give you the necessary understanding and skills you need in the online environment.

Design and communications specialisations

Digital Design

This specialisation gives you a comprehensive education in digital design and new media, focusing on key principles and techniques in website design, user interface/experience design (UI/UX) and app design. You will use digital technologies to develop forward-thinking and innovative design solutions to real-world problems.

Graphic Communication

Graphic Communication combines words and images in an organised and persuasive way to sell products and ideas. This specialisation focuses on professional practice and media production processes, to prepare you for a career in the creative advertising industry.

Photography

Photography is undergoing rapid transformation with the advent of new and continually evolving digital image capture and production technologies.

These technologies and production processes are key areas of study and investigation within this specialisation, with emphasis on design principles and practice. You will develop your competencies in technical, mechanical, cultural and aesthetic aspects of photography and their interdependence.

Marketing Communication

Modern marketing involves the analysis of market trends and the innovative use of a range of platforms to engage with prospective customers.

This specialisation will introduce you to the core concepts of marketing, including how consumers think and how marketers can adapt their strategy to appeal to different markets.

You'll learn the skills needed to develop, organise and implement marketing activities in a competitive, volatile environment.

Through engagement with industry professionals, you'll also learn how to expand a customer base and set an organisation on the path to growth and success.

Public Relations

Public relations is a versatile and dynamic industry that requires a natural curiosity for the world around you. Successful PR professionals are excellent listeners and in tune with changing trends and expectations.

This carefully selected series of units is designed to prepare future PR professionals to communicate with stakeholders across all facets of business. It can complement related majors such as marketing, management, international relations and journalism, but is also ideal for students in other disciplines, such as health, engineering or finance who want to enhance their communication skills.

Because professional communicators work across all industries, a grounding in public relations can provide you with varied career options, including in government, non-profit, agency and corporate employment.

Careers

- Public relations officer/consultant
- Market researcher
- Media and communications officer/consultant
- Web communications consultant
- Production coordinator
- Web developer
- Internet project manager
- Marketing manager
- Content creator
- Media liaison officer/consultant
- Filmmaker
- Photographer
- Advertising/creative advertising specialist
- Cinematographer
- Internet analyst
- Website manager

Industries

- Media
- Marketing
- Public relations
- Advertising
- Film and television
- Radio broadcasting

Creative Arts

Ideal for imaginative individuals, these courses develop your creativity and critical thinking.

DEGREE
Bachelor of Creative Arts

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent):
Theatre Arts major: Drama

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
0100633

LEARN MORE
curtin.edu/bach-crarts

Overview

If you're passionate about pursuing a career in the creative industries, this course will give you the skills and experience to take your career anywhere in the world.

You'll gain a broad-based, contemporary understanding of theory and practice in your chosen major, learning from discipline experts and industry professionals who share their innovative, passionate and contemporary knowledge of the creative arts.

You'll also gain first-hand experience working with industry-standard equipment in our Media Production Studio, Hayman Theatre and the Design and Art precinct studios, labs and galleries.

With professional internships available and opportunities to exhibit, perform and screen works to the public, you'll be immersed in the creative sector well before you graduate.

Customise you Creative Arts degree

Step 1: Choose your major

By focusing on creative arts as a practice and discipline, you'll balance creativity and practicality to broaden your career opportunities.

Select a major that suits your career aspirations:

- Fine Art
- Screen Arts
- Theatre Arts

Step 2: Complete your degree structure

Complement your major with:

- a specialisation within or outside the field of creative arts, plus electives in any field, OR
- electives in any field

"Straight from first year we are pushed out of our comfort zone and encouraged to experiment with all mediums. So I've had experience in everything from soft sculpture, to painting, printmaking, textiles and multimedia art.

We've also had multiple opportunities to participate in group exhibitions and be a part of install, gallery sitting, organising the opening, co-curation – everything that goes into an exhibition really. These are all important skills to have as an artist."

Zali Morgan
Bachelor of Creative Arts (Fine Art)

Fine Art

Pursue a creative career and contribute to the artistic, and cultural needs of contemporary society.

DEGREE
Bachelor of Creative Arts (Fine Art)

LEARN MORE
curtin.edu/bach-finar

Overview

Professional artists are creative people who contribute to the artistic, aesthetic and social needs of contemporary society.

This major is designed for those who wish to be professional artists or pursue a career in the creative industries.

In the first two years of your course you'll engage in studio-based activities, focusing on painting, print media, sculpture, drawing, installation, new media and emerging disciplines.

In your final year you'll undertake self-directed projects, culminating in the opportunity to present your artworks at our annual graduate show.

You'll also benefit from our artist-in-residence program. Each semester Curtin appoints a new artist-in-residence, so you can access the diversity of professional expertise.

Careers

- Artist
- Artisan/craftsperson
- Arts administrator
- Gallery professional
- Curator

Industries

- Arts
- Creative arts
- Community arts
- Public art
- Fashion

> My time at Curtin was a hands-on exploration of filmmaking, where we had the opportunity to use industry-standard equipment to create professional-looking films.
>
> The practical aspects of the course were invaluable – like shooting a feature horror film with VFX and stunts for my major project.
>
> These experiences not only developed my skills but also gave me a tangible portfolio to impress potential employers and break into the film industry.

James Hoare

Bachelor of Arts (Screen Arts)

Screen Arts

Learn how to combine production skills, creativity and theory to create diverse and innovative screen projects.

DEGREE

Bachelor of Creative Arts (Screen Arts)

LEARN MORE

curtin.edu/bach-scrar

Overview

This major prepares you for diverse opportunities in the expanding screen-based media industry. You will be able to develop and enhance your passion for creative media production and storytelling – skills that are sought after in diverse industry areas.

Throughout the course you'll develop practical and analytical skills while gaining an understanding of a growing multiplatform industry.

You'll learn to apply screen theories, understand the importance of cinema history and how screen communication informs, entertains and engages audiences – all of which will help you in creating your own works in the realms of factual events and drama.

You'll develop technical skills in areas such as production and emerging types of contemporary digital post-production (such as virtual backgrounds and visual effects), using Curtin's advanced production facilities to develop the technical and practical skills of an effective visual storyteller.

These facilities include:

- Western Australia's largest working television studio in a tertiary setting
- a suite of high-definition cameras
- sound recording, lighting and grips equipment
- editing, grading and audio post-production labs.

In your final year you'll write, direct or produce a major screen production to industry standard.

If you choose to study Screen Arts as a single major, we encouraged you to choose elective units from within the discipline, to enhance your understanding and career opportunities.

Double degrees

See pages 134–135 for double degrees with Screen Arts.

Careers

- Film/TV/video director
- Production assistant/producer
- Camera operator/director of photography
- Sound recordist/designer
- Picture editor
- Multi-platform developer
- Post-production producer
- Script writer
- Screen critic
- Screen curator

Industries

- Film and television
- Advertising
- Marketing
- Tourism
- Events

Theatre Arts

Are you a budding actor or director? This course prepares you for a bright future in theatre arts.

DEGREE

Bachelor of Creative Arts (Theatre Arts)

LEARN MORE

curtin.edu/bach-thtra

Overview

This major equips you with the creative practice and the theory you need to perform both on and off the stage. It is a comprehensive training ground for passionate theatre artists.

At Curtin you will benefit from studying in the longest-established theatre arts course in Western Australia. You'll develop the full range of fundamental skills, theoretical understanding, and practical experience of theatre and performance practice. These include:

- acting
- directing
- writing and devising
- dramaturgy
- critical analysis
- stage management
- theatre production.

You'll have the opportunity to work on five major productions and up to 25 student directed productions each year. Staged on campus and in venues around Perth, these productions range from classical drama to contemporary works.

You'll also learn from artists-in-residence who have professional production experience, and you could apply your skills in the Hayman Theatre Company's on-campus public production program.

Double degrees

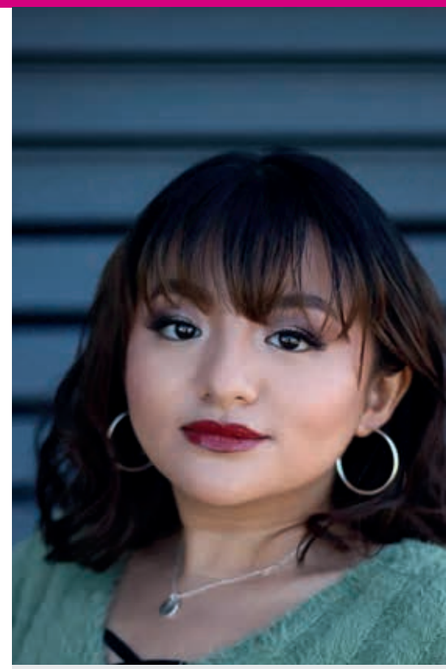
See pages 134–135 for double degrees with Theatre Arts.

Careers

- Actor
- Stage/film/TV director
- Performing arts technician
- Playwright
- Production crew
- Stage manager

Industries

- Theatre and screen
- Screen advertising



Theatre Arts student **Crystal Nguyen** starred in a modern rendition of Shakespeare's Richard III, under the mentorship of celebrated Curtin graduate Kate Mulvany OAM.

Written by Michael Law and titled Teenage Dick, the play explores disability representation and inclusion.

For Crystal, working with Kate helped her find the human in the misunderstood character of Richard III.

> Throughout the mentorship, I continued to be in awe of Kate's artistry and integrity.
>
> I also discovered new ways of taking ownership of my strengths as a disabled performer.

Pictured: Actress, playwright and screenwriter Kate Mulvany OAM with Theatre Arts student Crystal Nguyen

Design

Learn to design using advanced industry-standard equipment, technologies and media platforms.

DEGREE
Bachelor of Design

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent):
Design

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Mauritius

CRICOS CODE
098137F

LEARN MORE
curtin.edu/bach-design

[1] Perth intake shown.

Overview

If design is your passion, this flexible degree offers exciting majors that will develop your practical skills in a global context, so you can take your career anywhere in the world.

Throughout the three-year program you will learn through project-based activities and have the opportunity to work together with students from other disciplines, mirroring a real industry environment.

You'll use industry-standard equipment and software and graduate with a comprehensive portfolio that demonstrates your skills to future employers.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Customise your Design degree

Step 1: Choose a major

Select an area that inspires you, from:

- Advertising and Design
- Animation and Game Design
- Design Innovation and Fabrication
- Digital Experience and Interaction Design
- Fashion Design
- Graphic Design
- Photography

Step 2: Choose a Design specialisation[1]

- Animation and Game Design
- Creative Advertising Design
- Digital Design
- Fashion Design
- Graphic Design
- Illustration
- Photography

[1] You cannot study the same discipline as your major.

Step 3: Complete your degree structure

Choose one of the three options below to complete your degree structure.

Option 1: Choose a second Design specialisation

Choose a second Design specialisation from the list in step 2.

Option 2: Choose a non-Design specialisation

Choose a specialisation in another area to gain expertise in a second field. Your choice of specialisation is subject to unit availability.

Option 3: Choose four electives

Choose four elective units in any area of interest, provided you meet the prerequisites.

"I had an incredible lecturer at Curtin who taught me so much and helped me secure a three-month internship at The Brand Agency. While there, the digital agency upstairs, Longtail, started hiring for creatives. Tim and I were selected, paired up as a creative team – and the rest is history!"

Gene Brutty

One half of the creative duo 'Tim and Gene' and co-founder of IMAGINE IF LABS

Advertising and Design

Learn how to drive the development of creative advertising and to capture the imagination and attention of consumers with your designs.

DEGREE
Bachelor of Design
(Advertising and Design)

LEARN MORE
curtin.edu/bach-advert

Overview

Effective advertising is persuasive, targeted, clever and original. When you study this course, you will not only learn how to bring creative ideas to life, you'll also learn about the business processes behind the scenes, such as planning, consumer research and managing campaigns.

You'll hone your skills in idea generation, art direction, design, creative strategy and critical thinking. You'll also learn to use advertising and design effectively to drive business growth and development.

This major gives you the choice to expand your knowledge and skills in either brand management or copywriting.

The course is taught through authentic learning experiences that reflect real-world industry standards and practice, helping you transition to the workforce and begin an exciting career.

We also encourage you to enter student competitions run by industry bodies such Design and Art Direction (D&AD), the Advertising Council of Australia and Perth Advertising and Design Club.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- Creative director
- Art director
- Copywriter
- Advertising and marketing coordinator
- Advertising campaign manager
- Account manager
- Account director

Industries

- Advertising
- Marketing
- Media and communications
- Publishing

Animation and Game Design

Gain professional animation and game design experience using industry-standard software and simulated environments.

DEGREE
Bachelor of Design
(Animation and Game Design)

LEARN MORE
curtin.edu/bach-anigd

Overview

Animators, visual effects artists and video game designers are experts in computer-generated imagery, designing everything from settings and characters to immersive player-driven stories.

In this major you will specialise in the exciting field of animation and game design.

You'll explore the latest industry trends and technologies to create compelling experiences to engage your audience.

During your studies you'll learn and apply the fundamentals of animation and game design through:

- analysing game design content and the latest animated experiences
- investigating various industry approaches and techniques for 3D modelling and animation
- exploring the design of narrative structures and immersive experiences
- developing creative and compelling visuals utilising 3D animation and visual effects, motion graphics and game-related technologies.

You'll also gain experience using current industry standard software in simulated studio environments.

This major has strong connections to local, national and international animation and digital game industries.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- 3D artist
- Character designer
- Visual effects artist
- Broadcast designer
- Game designer
- Art/creative director
- Animator
- Motion graphic designer

Industries

- Animation and motion graphics
- Digital gaming
- Film and television
- Advertising
- Media and communications

Design Innovation and Fabrication

Design and produce prototypes of the things that people want, from mobile phones and furniture to children's toys and self-driving cars.

DEGREE

Bachelor of Design (Design Innovation and Fabrication)

LEARN MORE

curtin.edu/bach-innfab

Overview

The rapid emergence and expansion of smart products is increasing the demand for a new wave of designers and product manufacturers.

In this major, you will develop the creative and technical skills needed to transform your ideas into cutting-edge creations, and learn to design concepts through user engagement and collaboration.

You'll study your craft in our design studio and progress your digital modelling and fabrication skills in our School of Design and Built Environment's makerspace, where your design can come to life.

The course offers industry expertise and practical, hands-on learning, and you'll be encouraged to exhibit an innovative approach to your work.

When you graduate, you will be well placed to work in emerging fields of contemporary industrial design such as inclusive design, the Internet of Things, smart living applications and broader smart product design.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- Industrial designer
- Furniture designer
- Project technician
- Design consultant
- 3D digital modeller and fabricator
- Biomedical technology designer
- Usability expert

Industries

- Consumer appliances and electronics
- Manufacturing
- Textiles
- Biomedical technology
- Automotive

Digital Experience and Interaction Design

Create accessible, engaging and intuitive digital experiences for an online world.

DEGREE

Bachelor of Design (Digital Experience and Interaction Design)

LEARN MORE

curtin.edu/bach-digde

Overview

Digital experience design is at the heart of many of our daily interactions with modern technology. Our buying habits, social lives, work and health are increasingly informed and shaped by apps and websites, as well as smart assistants and wearable tech.

Digital experience designers are future-facing – they combine traditional graphic design and creative skills with specialist software skills to develop user-centred interactive digital products.

In this major you will focus on designing digital experiences that look and feel great for users, while also considering and anticipating their needs.

You'll learn about aesthetics, design principles, usability and user psychology, and leverage digital technologies to create innovative designs in response to real-world problems.

The coursework combines theoretical fundamentals with hands-on, practical learning, and focuses on emergent technologies and industry demands.

in addition to creative and technical abilities, you'll also develop important workplace skills, such as communication and collaboration.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- UX designer
- App and web designer/developer
- Multimedia designer

Industries

- Advertising/marketing
- Media and communications
- Publishing

Fashion Design

Weave together art, culture and your passion for design to produce your own contemporary garment line.

DEGREE

Bachelor of Design (Fashion Design)

LEARN MORE

curtin.edu/bach-fashn

Overview

This major suits creative individuals who have a keen interest in fashion and a passion for contemporary design.

You will study the foundations in creative thinking and the relationship between garment and body. You'll use theoretical and contextual frameworks to understand the cultural significance and practice of fashion design and global trends, and expand your knowledge beyond the history of Eurocentric fashion to explore non-western pattern-cutting, to reflect global changes in society and culture.

You'll learn the principles of design and creative studio practice, and also explore innovative design practices that respond to local and global issues faced by the fashion industry.

At our advanced fashion studio – which is equipped with industrial machinery, specialist equipment and digital design and digital pattern-cutting software – you'll develop skills in fabric manipulation and construction, design, pattern making, styling and fashion illustration.

This major encourages you to take an innovative approach to design, achieve technical competence and gain industry experience. You'll graduate with the expertise for a range of career opportunities within the fashion industry.

Graduating fashion students may also present their work to industry professionals at our end-of-year fashion show.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- Fashion designer
- Fashion buyer
- Theatre costume-maker and designer
- Fashion stylist
- Trend forecaster

Industries

- Fashion
- Advertising
- Publishing

Graphic Design

Learn to communicate ideas visually across a range of media to persuade, inform and educate.

DEGREE

Bachelor of Design (Graphic Design)

LEARN MORE

curtin.edu/bach-grpds

Overview

Graphic designers visually communicate across a range of media to persuade, inform and educate audiences online, in print and within a wider environment.

This major responds to rapid changes in the design and commercial industries, as well as cultural and sociotechnical shifts in retail and media consumption behaviours.

In this course you'll develop a deeper understanding of graphic design and its distinct specialist applications. These include:

- user experience design
- design thinking
- branding
- data visualisation
- editorial
- information design
- interaction design
- way-finding
- packaging design
- service and experiential design.

You'll learn how to solve complex communication problems through the exploration and application of design theory and practice, whilst developing skills across a range of industry applications.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- Graphic designer
- Design strategist
- Art director
- Brand manager
- Creative director
- Creative consultant
- Production manager
- Illustrator
- Entrepreneur

Industries

- Advertising
- Marketing

Photography

Turn your interest in photography into a career, learning photographic techniques alongside professional practices.

DEGREE

Bachelor of Design (Photography)

LEARN MORE

curtin.edu/bach-photo

Overview

This major gives you the opportunity to develop your creative skills and explore pathways to careers in our ever-increasing visual world.

The course examines the interchanges between design, editorial and fine art photography. This approach will enable you to develop your own practice to a standard of excellence across multiple platforms.

You will study histories and theories of photography and explore experimental approaches to the medium through lectures, tutorials, studio workshops and gallery visits.

Throughout your course you'll learn through project-based activities and collaboration with students from other disciplines – mirroring a true industry environment.

As a Curtin student, you'll also benefit from our links with industry and major cultural institutions.

The range of work-integrated learning opportunities available means that you can expect to graduate ready for successful photographic practice in diverse industries.

Professional recognition

Graduates may be eligible for membership of the Design Institute of Australia.

Careers

- Photographic artist/artist
- Photojournalist
- Commercial photographer
- Creative director

Industries

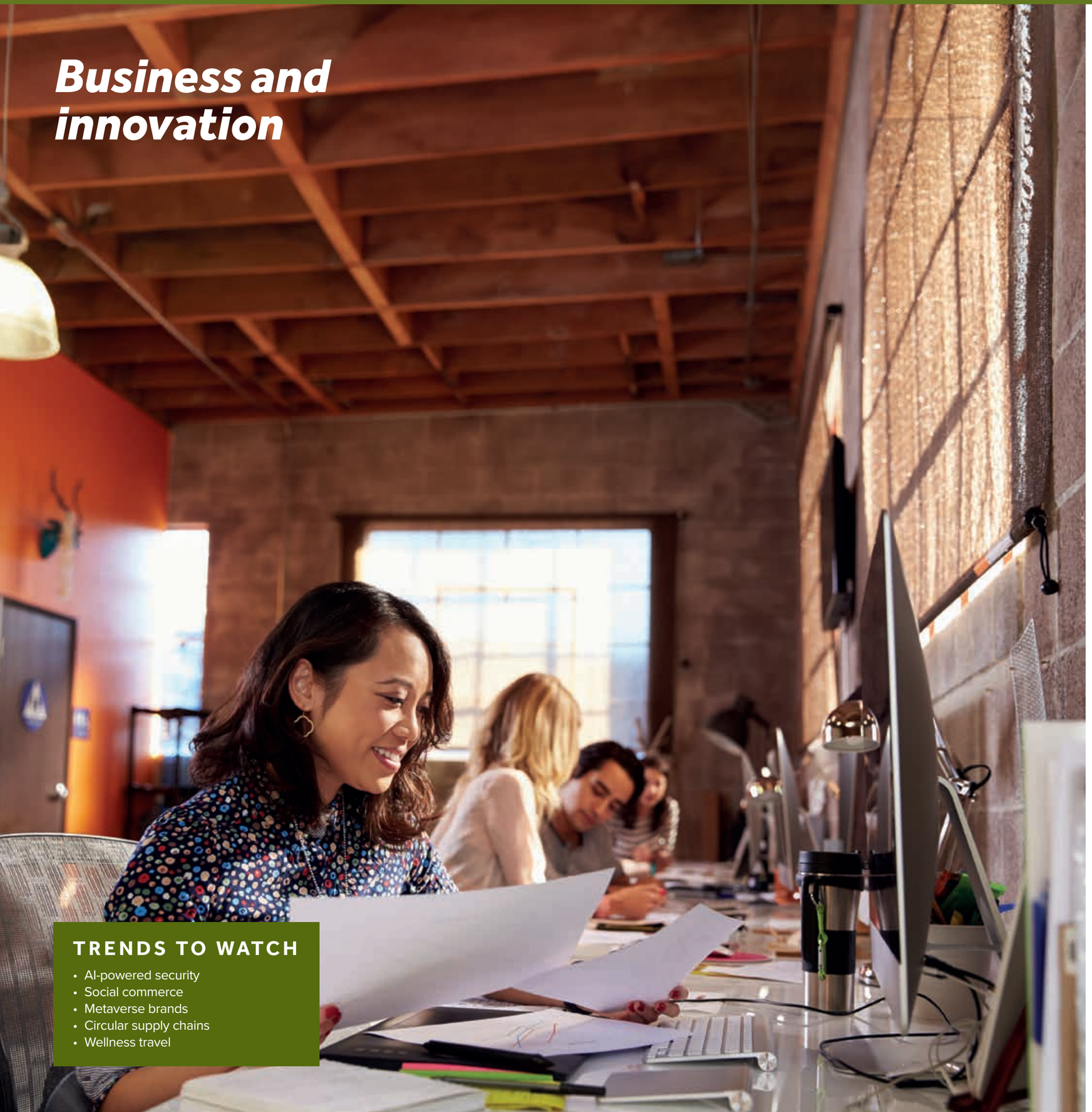
- Fashion
- Advertising and marketing
- Media and communications
- Events

Curtin fashion students **Molly Ryan** and **Claudi Janse Van Rensburg**, together with friend Shannon Itzstein, established Fibre Economy – a social enterprise to redistribute second-hand workwear from mine sites to those who need them, reducing the environmental impact of the fashion industry.

During their studies, Molly and Claudi completed internships at Redress, the world's largest and most proactive organisation in sustainable fashion design, based in Hong Kong. Molly explained that the experience motivated them to established Fibre Economy, where they sort the clothes and send the new and worn jeans to employment charities that help people transition into the workforce.

To learn more about Fibre Economy, visit **fibreeconomy.com**.

Business and innovation



TRENDS TO WATCH

- AI-powered security
- Social commerce
- Metaverse brands
- Circular supply chains
- Wellness travel

To thrive in the agile business world, you need a versatile degree that responds to change. That's why we've moved beyond business-as-usual teaching practices, and created courses as innovative as the industries you'll work in.

You can customise your course to align with your career aspirations, and with our triple accreditation from global business school accreditation systems, you can be assured that your Curtin qualification is recognised internationally.

Courses

Actuarial Science

Business Administration

Commerce

Innovation

Commerce and Innovation majors

- Accounting
- Accounting and Audit Analytics
- Business Information Systems
- Business Law
- Economics
- Finance
- Finance and Financial Planning
- Human Resource Management
- International Business
- Logistics and Supply Chain Management
- Management
- Marketing
- Property Investment and Development
- Property Development and Valuation Extension
- Taxation
- Tourism and Hospitality

See also

Agribusiness (page 21)

Financial Mathematics (page 128)

Industrial and Systems Engineering (page 82)

International Relations (page 39)

Law (page 120)

AACSB ACCREDITED

EQUIS ACCREDITED

Curtin Business School is the only Western Australian business school to hold accreditation from AACSB International, a five-year accreditation from EQUIS and an EFMD Accredited MBA. Curtin is also a proud signatory to the UN Principles for Responsible Management Education (PRME).

Actuarial Science

Become an expert in predicting the effects of long-term risk in financial decisions and planning.

DEGREE
Bachelor of Science (Actuarial Science)

GUARANTEED ATAR
92

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
038785D

LEARN MORE
curtin.edu/bach-actuar

Overview

Actuaries analyse various data to predict and assess the long-term risks involved in financial planning and decisions. They also apply their expertise to other areas – such as assessing the timing and location of extreme weather events, to help predict risks and associated costs for investments or insurance.

In this course you will gain the knowledge and skills in mathematics, statistics, data analytics, demographics, finance and economics to work as a financial analyst in organisations that deal with risk.

You'll learn the mathematical and statistical techniques to model industrial and commercial processes against a financial and economic background.

You'll also learn how to identify the risk factors and determine the price and cost of those risks.

In your third year your studies will focus on Actuarial Science or Actuarial and Applied Statistics.

Actuarial Science

This area is recommended if you intend to complete further studies and qualify as an actuary. It enables you to gain exemptions from the six subjects comprising the Foundation Program of the Actuaries Institute (Australia).

You must achieve the required course-weighted average to study Actuarial Science in third year.

Actuarial and Applied Statistics

This area is suited to you if you want to broaden your expertise in data analysis and statistics but do not intend to work as an actuary. (It doesn't include all subjects of the Actuaries Institute's Foundation Program.)

Professional recognition

This course is accredited in Australia by the Actuaries Institute. It is the only accredited actuary course offered by a Western Australian university.

Careers

- Actuary
- Business analyst
- Data scientist
- Mathematician
- Risk manager
- Statistician

Industries

- Banking
- Education
- Financial services
- Health
- Mining and energy resources
- Insurance
- Public sector finance and infrastructure
- Superannuation

Business Administration

Gain broad career options and wide-ranging expertise in marketing, finance, project management, human resources and strategic management.

DEGREE
Bachelor of Business Administration

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION[2]
Perth, Colombo, Dubai, Malaysia, online

CRICOS CODE
018007A

LEARN MORE
curtin.edu/bach-busadm

[1] Perth intake shown
[2] Not all specialisations are available at all locations or online.

Overview

This course is designed to help you become a highly adaptive business professional, with skills and knowledge in a wide range of sectors.

You'll begin by studying a suite of core units in business. You'll explore value-creation in business, learn to use financial information to make informed and responsible decisions, and develop business intelligence and analytical capabilities to interpret data. This will provide you with a strong base to build on as you progress through the course.

You'll also study a suite of core units in management, gaining a foundational understanding of key business areas such as marketing, finance, information systems, human resources and project management. You'll learn about the key activities, tools, and strategies of each area, and gain an insight into technological advancements and influencing trends.

In your first year, our expert staff will help you design your degree to suit your career goals. You'll choose two business specialisations that align with your unique interests. You'll then choose between an optional third specialisation from selected areas in business, arts, design or science; or four elective units.

In your final year you'll undertake a capstone experience to gain valuable industry experience. This unit 'caps' off your study, enabling you to put your skills and knowledge into practice and helping provide a smooth transition from study to the workforce.

As a graduate of this course, you'll be well-prepared for employment in a broad range of sectors in the dynamic business industry. With a diverse skillset that employers value and the ability to pivot to the needs of industry, you can confidently pursue a successful career as a highly adaptable and in-demand business professional.

Careers

- Business administrator
- Business consultant
- Business strategist
- Operations manager
- Retail manager
- Sales manager
- Senior manager

"I was born and raised in India but had visited family friends in Perth who were attending Curtin. I stepped foot onto the campus for the first time when I was only eight years old, and I was fascinated! When it was time for my application, there was no second choice for me.

I am a fashion lover and I knew I wanted to do something creative but needed some backing on how to manage things. I also studied the Digital Marketing and International Business specialisations.

After a great learning experience, I'm establishing my own startup and I cannot wait to step out into the real business world!"

Ayusha Surve
Bachelor of Business Administration

Commerce

Gain skills and knowledge in a specific discipline, paving the way for a thriving career in business sectors demanding industry accreditation or in-depth expertise.

DEGREE
Bachelor of Commerce

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION[2]
Perth, Kalgoorlie, Dubai, Malaysia, Mauritius, Singapore, online

CRICOS CODE
013905G

LEARN MORE
curtin.edu/bach-comm

[1] Perth intake shown.
[2] Not all majors are offered at all locations. These majors are available to study online: Accounting, Accounting and Audit Analytics, Business Law, Finance, Management, Marketing, Taxation.

Overview

Versatile business professionals in areas such as finance, marketing, and business systems, are highly sought after in the global job market.

This degree is designed to hone your skills in one or more business disciplines, readying you for a specialised career in this dynamic industry. It's a great choice for pursuing careers such as an accountant, financial planner, business analyst, tourism marketing manager, talent acquisition specialist, or supply chain manager.

You'll begin by studying a suite of core units in business. You'll explore value-creation in business, learn to use financial information to make informed and responsible decisions, and develop business intelligence and analytical capabilities to interpret data. This will provide you with a strong base to build on as you progress through the course.

You'll also choose your preferred discipline/s, and begin study in this area.

In your second year, you'll continue to develop expertise in your chosen discipline/s. You'll further develop your decision-making and leadership skills, which are essential in a future marketplace. You'll also benefit from exposure to industry through field trips, work-related tasks, guest lectures and networking events.

In your final year you'll undertake a capstone experience, enabling you to apply your skills in an industry environment.

Real-world learning is an important component of this degree. Depending on your chosen major, you might gain hands-on skills in industry software such as Refinitiv Workspace (for stock market trading and analysis), or have opportunities to undertake extra-curricular work experience, such as volunteering at the Curtin Tax Clinic.

As a graduate of this course, you'll have the strong business acumen and specialised skillset required to thrive in your chosen career.

Professional recognition

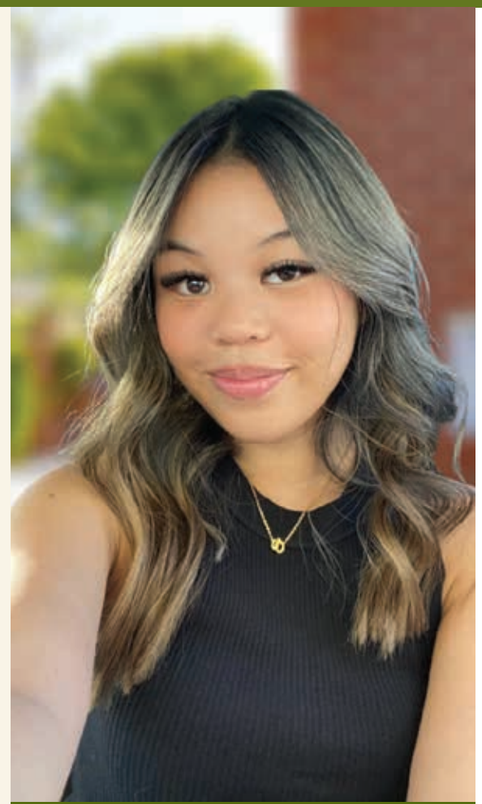
Commerce majors are designed, wherever possible, to conform to the membership standards of relevant professional bodies. Refer to individual majors for specific professional recognition and accreditation information.

Advanced Commerce

Learn alongside the next generation of business leaders and researchers.

Our Advanced Commerce (Honours) degree combines our three-year Bachelor of Commerce with our one-year Honours program, creating a holistic study journey available to high-achieving students.

Visit **curtin.edu/bach-advcom.**



"I chose Curtin as it values building relationships with industry, and I knew this would be valuable not only during my course but also for my career.

Most of my units include interacting with businesses in Western Australia and investigating how to help that business advance in their industry – we learn valuable lessons from people in the industry every day.

I'm also the current president of the Curtin Women in Business (WIB) organisation. My involvement with WIB has helped me build industry connections and enhanced my networking, marketing, PR and events skills."

Angela Pua

Bachelor of Commerce (Entrepreneurship and Marketing)

Innovation

Develop the abilities and creative mindset needed to solve tough problems, opening the door to an array of impactful careers.

DEGREE

Bachelor of Innovation

GUARANTEED ATAR

70

PREREQUISITES

None

DESIRABLE

None

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION[1]

Perth, partially online

CRICOS CODE

112415A

LEARN MORE

curtin.edu/bach-innov

[1] Core units are not available to study online. Only these majors are available to study online: Business Law, Finance, Management, Marketing, Taxation.

Overview

This course aims to develop the next-generation of innovators. It integrates our 'GRIT' concepts: global, responsible, innovative, technology – skills that the World Economic Forum has identified as non-negotiable for the 21st century.

During your studies you'll learn how to innovate ethically, engage globally, and use technology decisively to deliver solutions with positive social and industry impacts.

You'll study our business core and gain a strong foundation in business. You'll then build on this with our suite of innovation fundamentals units.

In your second and third years, you will apply your business knowledge, creative-thinking skills and innovation strategies to a specific business major of your choice, or pursue a multidisciplinary skillset by studying two specialisations from study areas such as business, arts, design, science and Indigenous studies.

Throughout the course, you'll have scaffolded opportunities to build expertise through four transformative experiences. These immersive, real-world experiences will challenge you to solve local, regional and global problems using your innovation skillsets.

You'll also have the opportunity to join the Curtin Ignition and Curtin Accelerate entrepreneurship programs, and access executive education masterclasses to help you set up your own enterprise.

This course supports the United Nations Sustainable Development Goals and advocates for the stewardship of First Nations Peoples. You'll enhance your understanding of diverse cultural perspectives and effective communication across local, regional and global contexts.

Careers

- Innovation analyst/startup advisor
- Entrepreneur
- Consultant (in area of major/ specialisation)
- Business analyst
- Chief strategy officer
- Product strategy manager
- Tourism and event manager
- Venture capitalist diligence officer
- Web developer

Industries

- Design
- eCommerce
- Health innovation
- Higher education
- Government and non-profit
- ICT and cybersecurity
- Media and marketing
- Resources and energy
- Tourism
- Transport and supply chains

Commerce and Innovation majors

Accounting

Become a qualified accountant, capable of working in dynamic business environments around the world.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce

LEARN MORE

curtin.edu/bach-acct

Overview

Every business in every industry needs the services of an accountant. After all, accountants are the ones responsible for knowing how to handle one of the most crucial aspects of business: money.

In this major you'll study the International Accounting Standards and how to implement them. You'll learn how to undertake cost analyses and forecasting, and how to analyse and report on financial statements.

You'll master your skills in learning environments that simulate working in industry. You'll also have access to industry professionals through guest speakers and panel presentations.

In your final year you'll apply your skills through a capstone experience, such as an internship or study tour. This valuable opportunity will enable you to further your practical skills and business knowledge at a local, national or international level.

Our graduates have found work across a wide range of industries, from fashion to mining to finance. And our accreditation with CAANZ and CPA Australia means that when you register as a Chartered Accountant or a Certified Practising Accountant, your qualification will be recognised worldwide – leaving you to just negotiate your role and salary.

Study combinations

Our Accounting major comprises more units than most of our other business majors. This is to meet the necessary accreditation requirements. As such, you can only combine this major with a second major in Audit Analytics, Business Law, Finance or Taxation; or with a specialisation and/or elective units.

Double degrees

See pages 134-135 for double degrees with Accounting.

Professional recognition

This course is accredited by Chartered Accountants Australia and New Zealand, and CPA Australia. It is recognised by the Institute of Public Accountants, the Association of Chartered Certified Accountants, and the Institute of Chartered Accountants in England and Wales.

Careers

- Certified public accountant (CPA)
- Chartered accountant (CA)
- Corporate or government accountant
- Environmental, social and governance accountant
- Non-profit accountant

Accounting and Audit Analytics

Learn how to apply strategic insight to financial data, helping manage company records more efficiently and helping identify and prevent fraud.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce

LEARN MORE

curtin.edu/bach-audit

Overview

Technology-savvy accounting professionals are in high demand worldwide. With expertise in audit analytics, accounting professionals can not only improve conventional accounting practices, but also uncover opportunities to combat fraud and corruption.

In this course you'll gain hands-on skills using professional software to analyse financial transactions and data sets. You'll explore how technology is used in accounting, delving into topics such as data visualisation, analytics, and business valuation.

You'll acquire a solid foundation in accounting and auditing, as well as taxation and relevant areas of business law and financial management. Through this, you'll develop the expertise to strategically interpret financial data, and use these insights to inform business decisions.

This double major offers opportunities to engage with industry through real-world projects and guest lecturers. In your final year you'll undertake an immersive industry experience such as an internship or study tour, connecting you with potential employers.

As a graduate of this accredited double major, you could pursue diverse careers, from working for the Office of the Auditor General, to investigating financial crimes with the Australian Police Force. Thanks to globalisation, a growing economy and a complex tax and regulatory environment, your expertise is expected to be in strong demand into the future.

Professional recognition

This course is accredited by Chartered Accountants Australia and New Zealand, and CPA Australia. It is recognised by the Institute of Public Accountants, the Association of Chartered Certified Accountants, and the Institute of Chartered Accountants in England and Wales.

Careers

- Audit analyst
- Chartered accountant
- Company secretary
- Corporate treasurer
- Forensic accountant
- Financial analyst
- IT auditor
- Internal/external auditor
- Risk manager
- Systems accountant

Business Information Systems

Launch an in-demand career by learning how to use technology to transform businesses and make them more successful.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-binfo

Overview

Become an expert in the world of business and technology with a major in Business Information Systems (BIS).

In this major you'll explore the world of data analytics. You'll learn how to collect, process and analyse complex data sets, with your insights leading to improved decision-making in businesses.

You'll become an expert in the software tools and programming languages used by industry. You'll also get practice in designing and maintaining information systems and digital solutions. This valuable, hands-on experience will give you a competitive edge in the job market.

Throughout your study, you'll also develop strong problem-solving and critical thinking abilities. You'll learn to analyse business challenges and identify opportunities for improvement. You'll apply your knowledge to create innovative solutions that align with business objectives.

The globalised nature of modern business and the widespread adoption of technology means career prospects for Business Information Systems (BIS) graduates are abundant worldwide. Nationally, jobs in this area are projected to grow strongly, and can be very lucrative. You can also find jobs in a wide range of industries, from non-profits to cybersecurity, giving you the opportunity to work in an area you're passionate about.

Careers

- Business analyst
- Data analyst
- IT systems consultant
- Systems developer

Business Information Systems Extension

If you wish to gain professional accreditation, you should instead study the Business Information Systems Extension major.

The extension major is accredited at the professional level by the Australian Computer Society, which is a member of the Seoul Accord.

See **curtin.edu/bach-binfoex**.

"I chose to study a Bachelor of Commerce in Information Technology and Information Systems at Curtin because the business school is highly regarded worldwide.

The course offers students the chance to solve real-world problems and plenty of networking opportunities. My lecturers have really developed my passion for technology and given me the skills to find work as a systems analyst or program developer when I graduate."

Bhakti Hirani

Bachelor of Commerce (Information Technology and Information Systems)

Business Law

Learn how to help businesses comply with legal requirements in ethical and sustainable ways, on a local and global level.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-buslaw

Overview

All businesses need to comply with relevant laws and policies, such as when entering contracts, acquiring assets, leasing premises and hiring staff. Experts in business law are therefore vital to organisations to ensure legal compliance and to mitigate legal risk.

In this course you'll gain comprehensive knowledge of the laws that impact businesses and commercial operations. You'll learn how laws are created, changed and applied to organisations, and how to meet legal requirements and manage legal risk.

You'll acquire skills in a range of legal areas, from contracts, corporate law and torts to employment law and intellectual property. You'll also explore ethical issues in business, which is an increasingly important area of local and global business operations.

You'll also have the opportunity to strengthen your skills through real-world, practical experiences such as internships and international study tours.

Upon graduation, you'll be well-equipped to navigate the complex legal issues within the business world, across a diverse range of areas. You could find work as a legal advisor for a corporation, advise on regulatory frameworks in a government department, or consult on international business matters such as trade negotiations and cross-border transactions.

This course does not lead to a professional legal qualification; however, it can act as a stepping stone for entry to our Bachelor of Laws.

Careers

- Compliance manager
- Contract administrator
- Legal administrator
- Paralegal

"I travelled overseas for the London School of Economics summer exchange program, which I applied for through Curtin. The program is short and intense, but very rewarding. It was exciting to explore London between classes."

Georgia Strong

Bachelor of Commerce (Economics), Bachelor of Arts (International Relations)

Economics

Become an expert in analysing and influencing how wealth is created, consumed and distributed.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-econs

Overview

Economists study more than just money – they analyse the world around them, from global markets to government policy to world events, to help make informed decisions in diverse industries. These decisions can impact how individuals and society access, consume and distribute wealth.

With a focus on applied economics, this major gives you the knowledge and skills to understand important real-world issues such as unemployment, housing affordability, climate change, energy challenges and inequality.

You will learn how to use big data, statistics, mathematics and business insights to evaluate trends and patterns in consumer spending, levels of competition in different industries, business cycles and financial crises.

Economics gives you the tools to analyse decisions and create solutions. You'll gain a solid foundation in macroeconomics (factors that impact an economy as a whole) and microeconomics (the function of individual markets). You'll also develop strong communication and interpersonal skills to successfully share complex data with a general audience.

You'll graduate from this course as a critical thinker with a keen understanding of the world and the ability to enhance economic activities in the public and private sectors.

Double degrees

See pages 134-135 for double degrees with Economics.

Professional recognition

Students in Australia may be eligible for student membership of the Association of Financial Advisers. Graduates may be eligible for associate membership of the Economic Society of Australia (WA Branch) and the Women in Economics Network.

Careers

- Analyst (risk manager)
- Economic analyst
- Economist
- Policy analyst
- Policy/research advisor

Finance

Gain comprehensive skills in managing money and knowledge of financial markets, and learn how to manage investment risks that we may face in the future.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-fince

Overview

Finance professionals operate globally with great flexibility, helping people and companies manage financial matters, set their financial goals and make investment decisions. They work in a range of areas, including corporate finance, financial markets, managed funds, superannuation, banking, and private wealth management.

In this course you'll learn about the role, structure, and operations of financial markets, and how to make decisions on investments, funding activities and disbursement of profits. You'll become skilled at providing finance solutions and advice on starting or expanding businesses, drawing on acquired knowledge in capital budgeting, financial risk management, cash flow and profitability analyses.

You'll develop strong practical skills using the industry-standard Refinitiv Workspace software for trading and analysis, and simulated trading through StockTrak. You could also begin building your professional network, with opportunities to engage with industry professionals through internships, guest lectures and industry events, such as the CFA Institute Research Challenge.

The finance industry is a dynamic area that offers challenging careers with high earning potential. This versatile major can be tailored to suit a particular career, or complemented with other business areas, such as Accounting or Economics, to provide broad career options.

If you wish to pursue a career as a financial advisor/planner, you'll need to study a double major in Finance and Financial Planning.

Double degrees

See pages 134-135 for double degrees with Finance.

Professional recognition

Graduates of this course may be eligible to apply for affiliate membership of the Chartered Financial Analyst (CFA) Institute.

For CFA membership, a passing score for level 1 exam is needed along with more than one year of professional work experience.

Careers

- Credit analyst
- Finance manager/consultant
- Innovation consultant/analyst
- Investment banker/analyst
- Portfolio manager
- Stockbroker/trader

"Curtin has a reputation for a good level of applied coursework, which assists in building necessary skills for the beginning of your career. I completed an internship as part of the Commerce capstone experience, which led to me receiving a permanent position while completing my studies.

I was also one of 30 students invited to the University of Arizona for the Microsoft Excel Collegiate Challenge. It was an amazing opportunity to test my financial modelling and Excel skills against some of the best students in the world. Having this opportunity to represent Curtin at an international event was a highlight of my studies."

Samuel Henley

Bachelor of Science (Mathematics), Bachelor of Commerce (Finance)

Finance and Financial Planning

Empower yourself, individuals and organisations through expert financial knowledge, and gain a qualification that will allow you to give personal financial advice through this accredited course.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce

LEARN MORE

curtin.edu/bach-fnpln

Overview

Financial planning involves understanding budgeting, investing and risk management to help people make informed financial decisions. As a financial planner or advisor, you'll be contributing to people's financial wellbeing and helping them achieve their life goals as well as plan for their future.

In this double major, you'll learn about financial principles and markets, and become skilled in areas such as tax law, corporate finance, portfolio management, estate planning, ethics and compliance.

You'll also delve into behavioural finance, learning the psychology behind people's financial decisions and behaviours. Through this holistic approach, you'll learn to provide insightful financial advice tailored to meet each client's individual goals.

In this industry-aligned course, you'll have access to professional software, such as XPLAN and Refinitiv Workspace, and engage with finance experts through guest lectures. In your final year, you'll apply your skills through a 120-hour internship with a licensed financial planner.

A career as a financial advisor is an excellent opportunity to use your natural flair for analysis and planning to help others. You could also explore career opportunities in fintech, with an increasing market for apps and AI tools that offer quality financial advice.

To practise as a financial advisor in Australia, you'll need to sit ASIC's financial advisor exam and complete one year of professional work and training. Curtin's accredited course is the only direct undergraduate pathway in Western Australia to qualify you to sit the financial advisor exam.

Professional recognition

This course is an FASEA approved degree. To enter the profession and give personal financial advice you must hold an approved degree, undertake a professional year, and pass the financial adviser exam.

You may also be eligible for membership of the Financial Advice Association Australia, CFA Institute, Economic Society of Australia (WA branch) and the Women in Finance Network. Graduates may be eligible to apply as an Affiliate Member of the Financial Services Institute of Australasia (FINSIA).

Careers

- Budget analyst
- Corporate finance analyst
- Financial advisor/planner
- Financial counsellor/coach
- Financial manager

Industries

- Banking
- Brokerage
- Corporate business
- Equity markets
- Financial planning
- Government and non-profit

Human Resource Management

Learn how to help develop the human resource strategies that enable organisations to succeed, and to help staff thrive at work.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-hrm

Overview

Human resource (HR) management is about achieving the best for a business and for its employees' wellbeing, performance and job satisfaction. It's a role where you can not only help an organisation meet its business goals, but also help people derive meaning from their work.

In this course, you'll gain expertise in recruitment and selection, remuneration, performance, training and development, conflict management and HR analytics.

You'll develop skills in emotional intelligence, critical thinking and adaptability. Our practical learning approach means you'll work on projects and assessments that mimic real-life scenarios. You'll also have opportunities to engage with industry through one or more immersive experiences, such as an internship or international study tour.

In the current era of automation there is a rising demand for HR generalists and specialists, with many businesses requiring their expertise in the workplace teaming of humans and machines. In fact, Job Skills Australia's latest employment projections estimate there'll be an additional 19,300 jobs created for HR managers by 2026.[1]

As a graduate of this accredited course, you could find work at a local business or multinational enterprise, or for a government or non-government organisation. Wherever you choose to work, you'll have the confidence and expertise for a successful career in this growing industry.

[1] Source: labourmarketinsights.gov.au, Occupation Profile: Human Resource Managers (October 2023)

Double degrees

See pages 134-135 for double degrees with Human Resource Management.

Professional recognition

This course is accredited by the Australian HR Institute (AHRI). You may be eligible for membership of AHRI once you graduate.

Careers

- Employee wellbeing and enablement consultant
- HR manager/consultant
- Recruitment consultant
- Training and development consultant

International Business

Expand your horizons, learning to work across different cultures, countries and business practices.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-intbus

Overview

Different countries and cultures have different ways of doing business, and multinational businesses need skilled business professionals to monitor and manage their overseas business operations.

For a successful career in international business, you not only need advanced business skills, but also the cultural competency to adapt to working in different countries.

In this course you will develop high-level skills in management, problem-solving, planning, organising and managing change, with a global business approach.

You'll learn how to analyse international markets and business systems and how to navigate your way around international business environments. You'll also gain the communication skills that enable you to work in cross-cultural teams.

This course has a high practical component and includes industry-based projects and case studies. You also have the option of studying a cultural studies specialisation such as Asian Studies (which includes Chinese and Japanese languages), Korean Studies or Japanese Language.

The interdisciplinary nature of this course means you'll gain flexible skills that can be applied across many different areas, including logistics, marketing, sales, procurement, and finance.

Double degrees

See pages 134-135 for double degrees with International Business.

Professional recognition

Graduates may be eligible for membership of the Australian Institute of Management.

Careers

- Exporter
- Foreign investment analyst
- Foreign trade consultant
- Global supply chain manager
- Importer
- International development manager
- International marketing manager
- International sales executive
- International trader

"I did a summer HR internship during the final year of my degree with the Chamber of Commerce and Industry WA at Apprenticeship Support Australia (ASA).

I am so glad I took the initiative to do an internship as I had such an unforgettable experience. It felt like I was a small fish in the big sea at first, but I was warmly welcomed by the host organisation from day one and received endless support, coaching and mentoring from my supervisor.

Right after my internship, I became a paid employee there – and one and a half years later, I have graduated university and still work for the same organisation that I did my internship in!"

Alaiza Salvador

Bachelor of Commerce (Human Resource Management)

Logistics and Supply Chain Management

Learn to manage the flow of goods and services from supplier to customer in the safest, fastest and most cost-effective way.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-lgscm

Overview

Logistics and supply chain professionals manage the supply of goods and services from the supplier to the customer.

Today's supply chain networks go beyond traditional functions, providing advanced distribution methods that include sustainable practices and innovative technologies for improved efficiency and resilience. Logistics and supply chain professionals are pivotal to navigating network disruptions and fostering sustainable solutions.

In this major, you'll learn foundations and techniques of supply chain management, purchasing, procurement and systems analysis and design. You'll gain experience in project and operations management, and look at strategic procurement issues such as competitive conduct, strategy, logistics, management, and sustainable practices to reduce the environmental impacts from logistics and supply chain management.

Supply chain digitalisation and demand-planning are increasingly important in this fast-evolving industry, and this course enables you to build solid expertise in both areas. You'll also develop valuable skills in supply chain optimisation through the use of innovative simulation technologies.

Globally, the demand for professionals with expertise in logistics and supply chain management is high, with opportunities to work internationally for multinational corporations and logistics firms. You could also increase your career options with study in a complementary area. For example, expertise in automation, blockchain technologies and big data is increasingly desired in supply chain management.

Careers

- Inventory manager
- Logistics coordinator/manager
- Procurement officer/manager
- Purchasing officer/manager
- Supply chain analyst
- Transport manager

Management

Learn how to take a leading role, manage budgets and staff, and deal with the key business challenges organisations are facing today, and into the future.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-mngmt

Overview

Management knowledge and skills such as problem-solving and decision-marking, are valued and needed in small-to-medium enterprises, non-profit organisations, large corporations and government, both locally and globally.

Management is about taking a leading role: supervising and mentoring staff, balancing budgets, and ensuring tasks and projects are completed successfully, together with recognising issues such as values, ethics and sustainability. It means taking responsibility, being entrepreneurial, getting things done and making the most of your staff and resources for a sustainable and regenerative future.

This major focuses on the key challenges facing managers today and in the future. You'll learn skills in problem-solving, decision-making, critical thinking, communicating with people, and handling budgets.

With a strong focus on practical application and experiential learning, you'll be well-prepared for the challenges of the professional workplace. You'll also gain skills in strategic management, change management, innovative leadership, and incorporating ethics and sustainability into the workplace.

By the time you graduate, you'll have gained a versatile set of skills that will empower you to excel in the dynamic world of business management. Whether you embark on an entrepreneurial venture or assume a managerial role in an established organisation, you'll be well-equipped for a successful career in the business world.

Double degrees

See pages 134-135 for double degrees with Management.

Professional recognition

Graduates may be eligible for membership of the Australian Institute of Management.

Careers

- Business or retail manager
- Innovation manager
- Management consultant
- Product development manager
- Service delivery manager
- Sustainability officer/manager

Marketing

Learn how to market products and services to help organisations reach their business goals and to help consumers make the right choice.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-mrktg

Overview

Marketing is a fascinating blend of behavioural science and creativity. Businesses need strategies to engage with potential clients and meet the organisation's business goals for their products or services, and consumers need the information that helps them make decisions about which product or service is right for them.

As a marketing professional, you'll learn how to engage an audience through effective strategies that embrace creative approaches and targeted media channels and help business to differentiate their products and services in the marketplace..

In this course you'll learn about consumer behaviour and the mix of advertising, digital and social media, sales strategies, public relations, and events that marketers can use to engage consumers.

You'll analyse the behaviour of both competitors and customers to discover how marketing can be used to predict customer demand for products, services and ideas. You'll also explore digital marketing, pricing, promotion, distribution strategies and international marketing.

Our commitment to practical learning means you'll gain hands-on skills in social media management software, and have opportunities to engage with industry professionals through immersive experiences such as internships and study tours.

All businesses use marketing in one form or another. This means you'll have the chance to target an industry you're passionate about, from the arts to sciences.

Double degrees

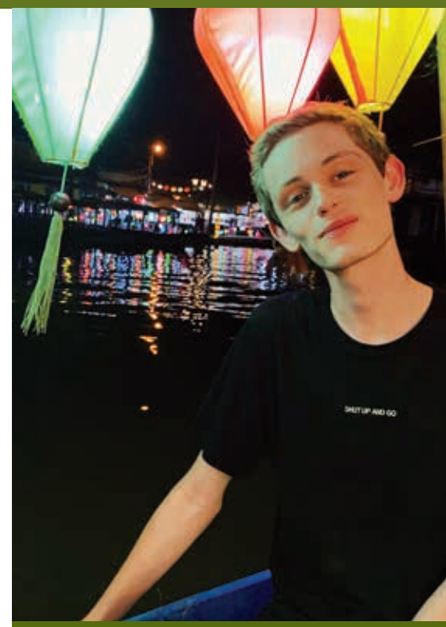
See pages 134-135 for double degrees with Marketing.

Professional recognition

Graduates of this course may be recognised internationally by the Australian Marketing Institute and the Chartered Institute of Marketing.

Careers

- Brand manager
- Content marketer
- Digital marketing manager
- Marketing strategist
- Product marketing manager



"I was lucky enough to be partnered with an amazing team from Curtin and across the globe to develop our own concept and pitch to real life venture capitalists and investors.

We were ecstatic to receive the highest mark, and to be asked by a top investor, 'How much money do you want to bring this to life?'

I think this experience really made me industry-ready, and I'm lucky now to be working for a company where I get to be surrounded by innovation and technology similar to this experience."

Josh James

Bachelor of Commerce (Marketing and Public Relations)

Property Investment and Development

Learn about property investment and development and the real estate industry.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-prop

Overview

Property is one of Australia's most popular investment options. Understanding how to make smart decisions in property development, investment, valuation and sales can lead to a lucrative and varied career.

In this major you will develop knowledge in economics, law, construction and finance, which can be applied not only to the property industry but also related sectors. You'll learn to analyse property investments and developments, gain insight into the structure and operations of the real estate industry and develop the essential legal, analytical and economic skills required to begin a career in property.

You'll also consider property-related issues and their impacts on Australian and global property markets, such as housing supply and demand, equitable housing options and sustainable property development.

You'll undertake site visits and work on real-world client projects, and have the opportunity to engage with more than 30 guest speakers throughout the course.

Our graduates have found work across a range of industries including property development, finance, sales and leasing and banking. Many have found work in government, for private investors, residential and commercial developers and consultancies.

If you want to pursue a career as a property valuer, consider studying our Property Development and Valuation Extension major.

Careers

- Development manager
- Commercial property consultant
- Investment analyst
- Property consultant
- Property finance professional
- Property manager

Property Development and Valuation Extension

Learn how to value properties and become a savvy analyst of the property industry.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce

LEARN MORE

curtin.edu/bach-prptyex

Overview

If you want to learn how property – one of the nation's most critical assets – is developed and valued, this course is for you.

You'll gain the same expertise as if studying Property Investment and Development, while extending your skillset into property valuation, commercial development and sustainability.

You'll learn about the role and the role property plays in our economy and society, covering fundamentals in property valuation, economics, finance, law, construction, sustainability, and investment analysis. As a result, you'll be well equipped to accurately assess a property's worth – a skill highly valued by credit lenders and developers.

Our accreditation through the Australian Property Institute and Royal Institution of Chartered Surveyors ensures you're learning the most up-to-date skills required by industry.

You'll gain hands-on experience with professional software, and engage with property experts through guest lectures, site visits and real-world projects. You'll also have opportunities for internships throughout your course, including a three-week work placement in your final year with an Australian Property Institute recognised valuation firm.

This course is ideal for aspiring property valuers, investors, and developers. It's a great choice if you're a person with strong decision-making skills, or a real estate professional seeking to upskill.

Upon graduation, you'll be eligible to pursue a property valuer certification, enabling you to work independently or for banks or government bodies like Landgate. You could also pursue a career in property development, allowing you to shape the construction, sustainability and affordability of new dwellings.

Professional recognition

This course is accredited by the Australian Property Institute (API) and the Royal Institute of Chartered Surveyors. Students are eligible to apply for membership of these institutions.

To apply to become a Certified Practising Valuer, you'll need to be a member of the API, complete their Practical Valuation Training and meet their professional work experience requirements.

Careers

- Commercial property consultant
- Investment analyst
- Property developer
- Property finance professional
- Property manager
- Property valuer

Industries

- Asset management
- Banking and investment
- International property
- Property development
- State and local government
- Valuation

Taxation

Gain diverse expertise in tax so you can help people and businesses effectively navigate ever-evolving tax regulations, locally and globally.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-tax

Overview

Join an industry on the forefront of change. Digital innovation is transforming the tax industry through advanced data visualisation tools, big data analytics, and AI tools for routine processes. Future tax professionals will increasingly take on higher value advisory roles that require deep understanding of complex tax systems, in a career that's in demand both locally and globally.

In this major, you'll become an expert in state, federal and international tax legislations, setting the groundwork for you to practise in Australia and overseas. From income tax to the tax implications of business structures, you'll gain a multifaceted skillset in taxation matters.

You'll put your skills into practice through immersive learning opportunities. You could volunteer or intern at our pro-bono Curtin Tax Clinic, helping vulnerable people navigate the tax system and advocating for their needs. Or explore other immersive experiences, such as an overseas tour to study the tax systems of other countries.

You'll also take part in outreach programs, visiting prisons and remote communities to provide tax support, and field trips to the Australian Tax Office and courthouses to experience tax practice and laws in action.

Double degrees

See pages 134-135 for double degrees with Taxation.

Professional recognition

Graduates may be eligible for membership of the Taxation Institute, CPA Australia, Chartered Accountants Australia & New Zealand, and the Association of Taxation and Management Accountants.

Graduates may also qualify as meeting the educational requirements to be a registered tax practitioner with the Tax Practitioners Board.

Careers

- Global indirect tax analyst
- Inhouse tax advisor
- International tax analyst
- International tax researcher
- Tax advisor/consultant
- Tax specialist

Tourism and Hospitality

Learn how to design creative destinations and innovative experiences with a socially responsible and global mindset, setting you up for a dynamic career in a diverse industry.

DEGREE OPTIONS

- Bachelor of Advanced Commerce (Honours)
- Bachelor of Commerce
- Bachelor of Innovation

LEARN MORE

curtin.edu/bach-trhosp

Overview

Tourism and hospitality are rapidly growing industries offering career paths in areas such as tourism development, event and festival organisation and hotel resort management.

Employers in this field need staff who enjoy travelling, meeting new people and sharing their experiences with others.

In this major you'll gain the knowledge and skills you need to become an effective manager in the tourism and hospitality sectors in Australia and overseas.

You will learn about contemporary issues in international tourism, such as event and tourism sustainability, the impact of tourism and events on the local and global economy, destination management, hospitality management and marketing.

Curtin is one of the best places in Australia for learning about hospitality and tourism, rated fourth in the country in this field by the ShanghaiRanking's Global Ranking of Academic Subjects for 2023. This means that not only will you get a great education, but also gain a competitive edge in the job market.

Double degrees

See pages 134-135 for double degrees with Tourism and Hospitality.

Professional recognition

Graduates may be eligible for membership of the Australian Institute of Management.

Careers

- Corporate travel consultant
- Hotel or motel manager
- Resort manager
- Restaurant and catering manager
- Tourism information officer
- Tourism manager
- Travel consultant

"My highlight from this course was participating in an international experience in Italy, where I was able to immerse myself into Italian heritage and culture, and gain hands-on experience learning the concept of destination marketing. I would definitely recommend this course if you are passionate about meeting new people and travelling."

Tiffany Hiew

Bachelor of Commerce (Tourism and Hospitality)

Education

TRENDS TO WATCH

- Personalised learning
- AI-customised learning paths
- Microschools
- Gamified eLearning platforms
- VR / AR experiential learning

Education is the stepladder to a prosperous future. If you enjoy helping others reach their potential, a Curtin education course will provide the right degree for you.

You'll learn about the cultural, social and individual needs of schoolchildren and how you can make a difference to their future.

Courses

Early Childhood Education

Primary Education

Secondary Education

Educational Studies

Early Childhood Education

Play an integral role in shaping the social and cognitive development of young children.

DEGREE

Bachelor of Education
(Early Childhood Education)

GUARANTEED ATAR

70

PREREQUISITES

You must submit a non-academic statement with your application

DESIRABLE

ATAR subjects (or equivalent):
Mathematics Applications

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION

Perth, online

CRICOS CODE

020852A

LEARN MORE

curtin.edu/bach-edec

Overview

In this initial teacher education course you will gain the skills, knowledge and practical learning experiences to teach young children (aged from birth to eight years) in early education settings. These include early learning and childcare centres, kindergarten, pre-primary and junior primary classes.

You will learn about child development, the curriculum areas and the importance of family partnerships. You'll also choose two elective units from a list of education subjects to broaden your learning.

Teaching placements

As part of the course you will complete four teaching placements in schools or early learning centres. Totalling 840 hours of supervised teaching practice, the placements are undertaken in full-time blocks, regardless of your study mode. You maybe able to undertake a rural, interstate or overseas placement.

Your supervised teaching practice will comprise:

- a three-week full-time block in the second year of your course
- five one-day visits plus a three-week full-time block and a four-week full-time block in the third year of your course
- a block of one school term (typically 10 weeks) in the final year of your course.

Professional recognition

This course is accredited in Australia by the Australian Children's Education and Care Quality Authority, and accredited in Western Australia by the Teacher Registration Board of Western Australia.

Careers

- Early childhood teacher
- Junior primary teacher
- Childhood education advisor / reviewer
- Early learning centre educator / manager

Industries

- Early education (government and non-government)
- Education (government and non-government)

Primary Education

Gain the qualification you need to teach primary school-aged children in Australia.

DEGREE
Bachelor of Education (Primary Education)

GUARANTEED ATAR
70

PREREQUISITES
You must submit a non-academic statement with your application.

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Applications

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth, online

CRICOS CODE
020853M

LEARN MORE
curtin.edu/bach-edpr

Overview

Primary school teachers educate children in years 1–6 across the range of Australian curriculum learning areas.

This initial teacher education degree provides the qualification to teach primary school students in the Australian Government, Catholic and Independent school sectors.

Graduates are eligible for registration as a teacher in all Australian states and territories, and in countries that recognise Australian teaching qualifications.

This course takes a student-centred approach to teaching and learning, encouraging analytical and critical thinking. Core education units comprise the bulk of this degree, but you will also select three units that enable you to specialise in an offered area of the primary school curriculum.

Teaching placements

As part of the course you will complete four professional work experience placements in schools. Totalling 760 hours of supervised teaching practice, these placements are undertaken in full-time blocks, regardless of your study mode. You may be able to undertake a rural, interstate or overseas placement.

Your supervised teaching practice will comprise:

- a two-week full-time block and a three-week full-time block in the second year of your course
- a four-week full-time block in the third year of your course
- a block of one school term (typically 10 weeks) in the fourth year of your course.

Professional recognition

This course is accredited in Western Australia by the Teacher Registration Board of Western Australia.

Careers

- Primary school teacher
- Curriculum designer
- Policy development officer
- Education administration officer
- Trainer, mentor or coach
- Special programs officer

Industries

- Primary education (government and non-government)
- Early education (government and non-government)

Secondary Education

Guide students through adolescence and prepare them for a successful life ahead.

DEGREE
Bachelor of Education
(Secondary Education)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):

- **Mathematics Education major:** Mathematics Methods
- **Science Education (Biology) major:** Mathematics Applications
- **Science Education (Chemistry) major:** Chemistry, Mathematics Applications
- **Science Education (Physics) major:** Mathematics Methods, Physics.

You must also submit a non-academic statement with your course application.

DESIRABLE
ATAR subjects (or equivalent):

- **Mathematics Education major:** Mathematics Applications, Mathematics Specialist
- **Science Education (Biology) major:** At least one of these Science subjects: Animal Production Systems, Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Marine and Maritime Studies, Physics, Plant Production Systems, Psychology
- **Science Education (Chemistry) major:** Mathematics Methods, Physics
- **Science Education (Human Biology) major:** Mathematics Applications, Chemistry, Biology or Human Biology
- **Science Education (Physics) major:** Chemistry, Mathematics Specialist
- **Science Education (Psychology) major:** At least one of these Science subjects: Animal Production Systems, Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Marine and Maritime Studies, Physics, Plant Production Systems, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
096505C

LEARN MORE
curtin.edu/bach-edsc

Overview

This initial teacher education degree prepares you for a rewarding career in secondary school teaching and enables you to pursue specialist interests. You will develop the critical knowledge and skills of best practice in education to meet the needs of 21st-century learners.

You can specialise in one or two curriculum areas, gaining specialist discipline knowledge and units that develop your pedagogical knowledge.

You'll also study units that establish your understanding of teaching practice, such as educational psychology, Indigenous education, and teaching students with diverse learning needs.

Secondary Education majors

- English
- HASS (Geography)
- HASS (History)
- HASS (Economics)
- HASS (Politics and Law)
- Health and Physical Education
- Mathematics
- Science (Biology)
- Science (Chemistry)
- Science (Human Biology)
- Science (Psychology)
- Science (Physics)
- The Arts (Drama)
- The Arts (Media Production and Analysis)
- The Arts (Visual Arts)

Teaching placements

As part of the course you will complete four professional placements in schools. Totalling 720 hours of supervised teaching practice, these placements are undertaken in full-time blocks, regardless of your study mode. You may be able to undertake a rural, interstate or overseas placement.

Your supervised teaching practice will comprise:

- a two-week full-time block and three-week full-time block in the second year of your course
- a three-week full-time block in the third year of your course
- a block of one full school term (typically 10 weeks) in the fourth year of your course.

Professional recognition

This course is accredited in Western Australia by the Teacher Registration Board of Western Australia.

Careers

- Secondary school teacher
- Policy development officer
- Special programs officer
- Trainer, mentor or coach
- Curriculum designer

Industries

- Education (government and non-government)

Educational Studies

Increase your workplace skills in education, gaining comprehensive knowledge of education curricula, leadership and research.

DEGREE
Bachelor of Educational Studies

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Applications

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
095951M

LEARN MORE
curtin.edu/bach-educ

Overview

The field of education includes a range of professional roles that require comprehensive understanding of the education curriculum and advanced communication skills.

In this degree you will learn about the field of education from the perspective of someone who isn't intending to seek registration as a qualified school teacher.

You'll explore core learning areas of the curriculum and learn how to respond to the diverse needs of students.

You'll examine mentoring, leadership and research within an educational environment. This knowledge is useful for those working in education administration and management teams. You can specialise in early years and primary education or in secondary education.

After you graduate from this course, if you are interested in seeking registration as a qualified teacher, you can apply for entry into our initial teacher education courses and apply for Credit for Recognised Learning for units you have completed.

You may also gain employment in education-related fields such as tutoring, training and developing education programs for a variety of organisations.

This course is not designed for those who wish to have a career in teaching and is not accredited by the Teacher Registration Board of Western Australia.

Careers

- Education administrator
- Education policy developer
- Coach/mentor
- Curriculum designer
- Teaching support officer

Industries

- Early, primary and secondary education (government and non-government)

Engineering, mining and surveying

Learn how to design, construct and test machines, systems, structures, materials and processes.

Depending on your course, during your studies you may be able to transfer to study at Curtin Kalgoorlie or at one of our overseas campuses or partner institutions.

Courses

Engineering

- Chemical Engineering
- Civil and Construction Engineering
- Electrical and Computer Engineering
- Energy Engineering
- Industrial and Systems Engineering
- Mechanical Engineering
- Mechatronic Engineering
- Metallurgical Engineering
- Mining Engineering

Extractive Metallurgy

Mine and Engineering Surveying

Mining

Surveying

See also

Earth Sciences (page 127)

Software Systems Engineering (page 119)

TRENDS TO WATCH

- Pre-fabricated construction
- Energy-storing bricks
- Cybersecurity in engineering
- Green mining
- AI-driven geotechnology

#1 IN AUSTRALIA

We're number one in Australia for mineral and mining engineering, and second in the world. (QS World University Rankings by Subject 2023)

Engineering

Curtin's Bachelor of Engineering offers you an industry-connected university experience in which you will learn how to create solutions to societal challenges, to improve the quality of life for communities around the world.

DEGREE

Bachelor of Engineering (Honours)

GUARANTEED ATAR

80

PREREQUISITES

ATAR subjects (or equivalent): Mathematics Methods, plus one or more from Chemistry, Engineering Studies, Mathematics Specialist, Physics

DESIRABLE

ATAR subjects (or equivalent): Mathematics Specialist

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE[1]

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

4 years full-time

LOCATION[2]

Perth, Kalgoorlie, Dubai, Malaysia, Sri Lanka

CRICOS CODE

072467B

LEARN MORE

curtin.edu/beh-engr

[1] Perth intake shown.
[2] Majors offered may vary between locations.

As a Curtin Engineering student, you will learn in purpose-built engineering facilities, gaining the skills to work as a professional engineer as soon as you graduate.

Your studies will begin with the Engineering Foundation Year (EFY). Designed in extensive consultation with industry, the EFY will teach you the fundamental concepts and skills required by all areas of engineering.

Importantly, the EFY allows you to explore Curtin's range of engineering majors before choosing your preferred major.

Our engineering majors are:

- Chemical Engineering
- Civil and Construction Engineering
- Electrical and Computer Engineering
- Energy Engineering
- Industrial and Systems Engineering
- Mechanical Engineering
- Mechatronic Engineering
- Metallurgical Engineering
- Mining Engineering
- Software Systems Engineering.

Engineering Foundation Year

The EFY will give you a comprehensive grounding in theory and you'll gain strong practical skills in our dedicated first-year engineering studio.

You'll also develop professional career skills such as cultural awareness and an understanding of major societal challenges (climate change and energy transition, for example) that engineers have an increasing role in addressing.

In addition, you'll learn about emerging themes such as data analytics, 3D printing, machine learning, automation and other areas relevant to the future of your field.

Overall, the EFY and its support services will help you progress smoothly into your chosen discipline and graduate as an industry-ready engineer.

It includes:

- interactive lectures
- small group tutorials and workshops
- hands-on physical and computer laboratories
- team-based design and simulation projects
- portfolio development, with an emphasis on reflection and self-evaluation
- participation by industry representatives, giving you more exposure to professional practice.

First-year engineering studio

The first-year studio and project rooms reflect the modern working environment, so that you become familiar with the layout of a professional industry environment.

The studio is also a hub to develop social and academic networks.

It comprises:

- an open-plan office
- computing, electrical and mechanics laboratories
- project meeting rooms.

Years 2 – 4

In the second, third and fourth years of your course, you'll study units relevant to your chosen major. You may also choose to undertake research or specialisations beyond your major, giving you the flexibility to broaden or deepen your expertise.

In your fourth year, you'll complete an honours-level research project. This experience will not only give you an in-depth understanding of your minor thesis or project topic, it will also demonstrate to employers your ability to plan and complete a complex body of work within deadlines.

Professional practice

To graduate with a Bachelor of Engineering (Honours), you must complete 480 hours of engagement with professional engineering practice. This can comprise a combination of real-world experiences – such as paid and voluntary work placements, working on university-based industry projects, attending extra-curricular technical lectures and workshops, and industry site visits in Australia or overseas.

Professional recognition

Curtin's Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia (EA) and recognised internationally.

Note: Curtin proactively seeks course accreditation by EA, to ensure that our graduates have professional recognition in Australia and by international signatories to the Washington Accord.

As EA accreditation is outcomes-based, when a course is new or recently established (and therefore yet to produce the threshold number of graduates), it may be granted provisional accreditation. Provisional accreditation indicates that the course meets the accreditation criteria to the extent possible at the time of evaluation and is likely to be granted full accreditation in the future.

Our Energy Engineering and Software Systems Engineering majors are recently established courses that are currently seeking provisional accreditation.

Chemical Engineering

Gain the expertise for diverse career options in process engineering industries.

DEGREE

Bachelor of Engineering (Honours) (Chemical Engineering)

LEARN MORE

curtin.edu/beh-chmen

Overview

Chemical or process engineering involves developing the best sequence of physical, chemical and biological processing steps, and the right operating conditions, to convert raw materials into higher value materials – safely, economically and on a large scale.

Hydrocarbon products and metals production are among the most recognised applications of chemical engineering, although the discipline encompasses diverse products that serve the changing needs of society. These include the emerging hydrogen economy and battery technologies, as well as polymers, advanced materials, speciality chemicals and pharmaceuticals.

They also include consumer products such as food and beverages, cosmetics, agrichemicals, cement, paper and clean water.

Double degrees

See pages 134-135 for double degrees with Chemical Engineering. All Chemical Engineering double degrees are accredited by the Institution of Chemical Engineers (IChemE).

Professional recognition

Curtin's Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally.

This course is also accredited by the Institute of Chemical Engineers (IChemE); and accredited in Malaysia by the Board of Engineers Malaysia.

In addition, graduates are eligible for membership of the Australasian Institute of Mining and Metallurgy (AusIMM).

Careers

- Chemical engineer
- Process engineer
- Production/operations engineer
- Risk and safety manager

Industries

- Energy, including oil, gas and energy storage
- Bioengineering and biotechnology
- Agrochemical
- Food processing
- Mineral and material processing
- Pharmaceutical
- Semiconductor
- Biomass and sugar refining
- Cement and lime production
- Industrial and fine chemical production
- Petrochemical and polymer production
- Paper and board manufacturing
- Water and wastewater treatment

“I chose a double degree in civil engineering and commerce because I was keen to combine my passion for bringing ideas to life, with skills in financial management. When I finish my studies, I’d like to put my civil engineering skills to use in Sri Lanka, helping build schools and hospitals.

As a John Curtin Scholarship recipient, I’ve been surrounded by other high achievers who are motivated to make every opportunity count. Alongside the JCSP programs, I’ve signed up for several Curtin Volunteers! experiences – I’ve done everything from setting up a concert in Nungarin to building a trail in Gingin. And with each new experience, I’ve overcome different challenges that have helped me develop my problem-solving skills.”

Ramudhi Kottage

Bachelor of Engineering (Honours) (Civil and Construction Engineering), Bachelor of Commerce

Civil and Construction Engineering

Learn how to design and construct the infrastructure of tomorrow.

DEGREE

Bachelor of Engineering (Honours) (Civil and Construction Engineering)

LEARN MORE

curtin.edu/beh-cceng

Overview

Civil engineers design and construct society’s infrastructure. They are key members of teams involved in providing buildings, bridges, roads and highways, harbours, dams, irrigation and water supplies, municipal infrastructure and other large projects.

As our built environment becomes more complex, ambitious construction projects require teams of people with different skills, working together. The civil engineer is central to this process.

In this course, you will develop scientific, mathematical and practical skills, and apply these skills to develop your civil engineering capabilities and create engineering solutions.

You’ll learn to apply these skills in structural analysis and design, geotechnical engineering, transportation engineering, hydraulics, construction, water and environmental resources, and professional practice.

In your final year you’ll integrate your design, construction and management skills in large civil engineering projects, and undertake a major civil engineering research project.

You’ll also choose specialisation units in the areas of structural, geotechnical, transportation, water resources and environmental engineering.

Double degrees

See pages 134–135 for double degrees with Civil and Construction Engineering.

Professional recognition

Curtin’s Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally.

This course is also accredited in Malaysia by the Board of Engineers Malaysia.

Careers

- Civil engineer
- Construction engineer
- Geotechnical engineer
- Mining engineer
- Site engineer
- Structural engineer

Industries

- Construction
- Consulting
- Contracting
- Government
- Mining
- Transportation
- Water supply

Electrical and Computer Engineering

Gain knowledge and skills in electrical and computer engineering and specialise in your choice of industry area.

DEGREE

Bachelor of Engineering (Honours) (Electrical and Computer Engineering)

LEARN MORE

curtin.edu/beh-eceng

Overview

Advances in electronic communication, the Internet of Things (IoT) and renewable energy are increasing the diversity of career opportunities in electrical and computer engineering.

In this course you will gain a thorough understanding of the concepts that underpin electrical and computer engineering. You’ll then choose to specialise in one of three areas: Power Systems, Electronics and Communications or Embedded Systems.

In your final year you’ll complete a major research or design project and 12 weeks of professional practice.

Power Systems

As the use of fossil fuels reduces, we must harness alternative sources of electrical energy, such as solar and wind.

This specialisation will help you address the challenges in the generation, transmission and distribution of electricity. It covers topics such as smart grids, distribution systems and the integration of renewable energy.

Electronics and Communications

Throughout society, the demand is growing for intelligent transportation systems, broadband access, remote operations and tactile internet – the next evolution of IoT.

This specialisation will help you address the challenges of telecommunication systems, to enable fast and reliable communication anywhere and anytime.

Embedded Systems

Our world is increasingly characterised by intelligent devices containing embedded systems that enable a computer to control, monitor and provide sophisticated functionality to another computer.

In this specialisation you will learn the theoretical and practical aspects of embedded systems, sensors and electronic design.

Double degrees

See pages 134–135 for double degrees with Electrical and Computer Engineering.

Professional recognition

The previous iteration of this course (Electrical and Electronic Engineering) is accredited in Australia by Engineers Australia and recognised internationally. Confirmation of accreditation transfer to this course is currently being sought.

Careers

- Electrical engineer
- Electrical power engineer
- Electronics engineer
- Communications engineer
- Embedded systems engineer
- Medical systems engineer
- Network controller
- Power systems engineer
- Systems engineer

Industries

- Application engineering
- Computer hardware design
- Electronic systems
- Fibre optics
- Mobile communications
- Manufacturing and robotics
- Software development
- Solar and renewable energy

Energy Engineering

Gain a groundbreaking degree designed for a new generation of engineers, who are needed to work in the rapidly changing energy industries, and energy transition.

DEGREE

Bachelor of Engineering (Honours) (Energy Engineering)

LEARN MORE

curtin.edu/beh-eengr

Overview

This course is designed to meet the demand for roles in energy efficiency, renewable energy technologies, fossil-fuel reduction, hydrogen systems, geo-energy options and environmental compliance.

The course is the first of its kind to offer the breadth and depth of knowledge needed to conceive, design, build and operate engineering processes relevant to a clean energy future.

Following your Engineering Foundation Year, you’ll choose four specialisation units to complete, in an area such as power systems engineering, low-carbon transition, subsurface energy engineering and energy conversion technologies. In your final year, you’ll undertake an industry-guided capstone design project, integrating your knowledge to solve an industry problem in an energy engineering context. Ethical and sustainable decision-making and collaborative problem-solving will be key aspects of the project.

Emphasising environmental and social responsibility – and aligning with the United Nations’ Sustainable Development Goals and Australia’s net-zero carbon emissions target – this course also highlights sustainability principles and Indigenous perspectives in addressing global energy engineering challenges.

Professional recognition

Energy Engineering is a recently established course seeking provisional accreditation.

Careers

- Energy (systems) engineer
- Energy transition consultant
- Subsurface energy engineer
- Energy researcher
- Energy conversion consultant

Industries

- Energy and renewable energy
- Mining
- Hydrogen production
- Electricity networks and supply
- Government (local, state and national)

Industrial and Systems Engineering

Gain the knowledge and analytical and problem-solving skills to optimise complex systems and processes.

DEGREE

Bachelor of Engineering (Honours) (Industrial and Systems Engineering)

LEARN MORE

curtin.edu/beh-inden

Overview

Industrial and systems engineers design, install and improve systems that integrate people, materials, equipment, energy, information and finance – all while ensuring that quality, safety, environment and human needs are met. They utilise engineering management techniques with the principles and methods of engineering design and analysis to evaluate and predict the results of change.

Industrial and systems engineers are also key members of teams responsible for timing, costing, layouts, process flows, equipment requirements, plant operations and whole systems – including manufacturing facilities, supply chains, transportation networks and warehouses.

This major incorporates units from engineering, sustainability, management and industrial mathematics.

You will gain specialist knowledge and practical foundations in engineering design, manufacturing, quality, systems engineering, control, operations research, practice and management, modelling, simulation and optimisation of industrial processes.

As an Industrial and Systems Engineering graduate, you'll be a frontline engineer for the rapid expansion from basic time and motion analysis to digitised automation of operations, maintenance, production monitoring, driverless trucks and unmanned aerial vehicles.

Professional recognition

This course is endorsed by the Naval Shipbuilding College and has provisional accreditation by Engineers Australia.

Careers

- Manufacturing engineer
- Production engineer
- Data modeller
- Logistics specialist
- Material handling, maintenance or scheduling specialist
- Plant manager
- Process control analyst
- Process improvement specialist
- Quality controller

Industries

- Minerals and energy
- Communications
- Defence
- Space exploration
- Banking and finance
- Healthcare
- Hospitality
- Retail

Mechanical Engineering

Learn how to analyse and develop machines and moving systems.

DEGREE

Bachelor of Engineering (Honours) (Mechanical Engineering)

LEARN MORE

curtin.edu/beh-mecen

Overview

Mechanical engineers analyse and develop technological systems that involve motion, helping society harness the energy and forces that exist in nature.

Recognised worldwide, mechanical engineering is one of the broadest engineering disciplines, providing you with versatile skills for diverse career opportunities.

System conception, design, manufacturing, maintenance and management are all within the scope of mechanical engineering. These systems include micromechanical devices, power-generating turbines, thermal power generation and air and transport systems.

This course is designed to give you skill development opportunities with hands-on experience. You'll learn how to apply your expertise to devise and/or develop solutions for a range of engaging industry challenges.

In particular, you'll be able to apply your multidisciplinary, problem-solving skills across a spectrum of science and engineering endeavours, extending through to biomedical engineering.

In your final year, you'll undertake an individual research project.

Double degrees

See pages 134-135 for double degrees with Mechanical Engineering.

Professional recognition

Curtin's Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally.

This course is also accredited in Malaysia by the Board of Engineers Malaysia.

Careers

- Mechanical engineer
- Aeronautical engineer
- Mechatronic engineer

Industries

- Transportation
- Automotive
- Manufacturing
- Power generation
- Water supply
- Marine engineering
- Mining
- Mineral and material processing
- Aerospace
- Plant operation and maintenance
- Robotics
- System design

Mechatronic Engineering

Gain the expertise to work in advanced automation and robotics, at the interface of mechanical devices and electronic control systems.

DEGREE

Bachelor of Engineering (Honours) (Mechatronic Engineering)

LEARN MORE

curtin.edu/beh-mexen

Overview

As the world becomes increasingly automated, and the range of industries innovating through digital technologies expands, so do the opportunities for mechatronic engineers. Mechatronic engineers now work in diverse industries including aerospace, agriculture, biotechnology mining and energy resources.

Rapid advances in automation applications – such as self-driving vehicles and mine-site automation – are increasing the demand for mechatronic engineers with expertise in mechanical, electronic and computer systems engineering.

Numerous industries, including mining, transportation, agriculture and biomedical engineering, also require mechatronic engineers to work towards solutions for some of society's most pressing problems.

In this major you will develop sound theoretical knowledge in the key disciplines of mechanics, electronics, computer systems and control.

You'll then apply your knowledge and develop practical skills through projects on topics including mobile robot communications and automation, pneumatic automation systems and machine control.

In your final year you'll undertake a major research or design project.

Double degrees

See pages 134-135 for double degrees with Mechatronic Engineering..

Professional recognition

Curtin's Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally.

Careers

- Mechatronic engineer
- Mechanical engineer
- Automation engineer
- Computer systems engineer
- Data scientist

Industries

- Manufacturing
- Aerospace
- Agritechnology
- Energy resources
- Mining and minerals
- Autonomous vehicle
- Biosensors and security
- Biotechnology and biomechanics
- Robotics
- Subsea engineering

"The course has not only taught me technical skills – such as data structures to use when programming, or using different equations from electrical and mechanical contexts to determine solutions – I've also gained communication and teamwork skills that will help me work in an engineering firm to solve complex engineering problems.

My internship at Woodside helped me learn about how a large-scale engineering firm operates and gave me my first look at the oil and gas industry. I obtained my Basic Offshore Safety Induction and Emergency Training, to travel and live on a floating production storage and offloading ship for a week.

I also participated in an international study tour to Thailand, to learn more about energy transition."

Georgia Farquar-Smith

Bachelor of Engineering (Honours) (Mechatronic Engineering), Bachelor of Computer Science

> “I chose to study metallurgical engineering because I’ve always had a passion for chemistry and an understanding of chemical processes from a practical perspective.
>
> The most enjoyable part of my degree has been relocating to the WA School of Mines (WASM) in Kalgoorlie for my third and fourth years. I was able to immerse myself in the WASM culture and take on extracurricular roles, professional development and social events — all while being in the heart of the mining industry.”

Sarah Montague

Bachelor of Engineering (Honours) (Metallurgical Engineering)

Metallurgical Engineering

Learn to design and manage plant processing operations to create mineral and metal products.

DEGREE

Bachelor of Engineering (Honours) (Metallurgical Engineering)

LEARN MORE

curtin.edu/beh-metal

Overview

Metallurgical engineers work substantially in converting raw metals and minerals into more useable formats, such as converting iron ore and coal into steel. They extract, refine and recycle resources that are used in everyday life – including energy production, food production, housing and transportation.

In this major you will learn to design, develop, optimise and manage the operation of metallurgical processing plants, transforming low-value raw materials into high-value mineral and metal products in an efficient and environmentally responsible way.

You’ll gain a thorough grounding in chemical and physical engineering; economic, environmental and sustainability principles; and the extraction of metals from ores.

This course also has a strong management component.

After your Engineering Foundation Year at Curtin Perth, you can transfer and complete your studies at Curtin Kalgoorlie or study your second year in Perth and complete your third and fourth years in Kalgoorlie.

Studying in Kalgoorlie offers meaningful exposure to the resources sector.

Double degrees

See pages 134–135 for double degrees with Metallurgical Engineering.

Professional recognition

Curtin’s Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally.

Graduates also are eligible for membership of the Australasian Institute of Mining and Metallurgy (AusIMM).

Careers

- Metallurgist
- Hydrometallurgist
- Metallurgical engineer
- Minerals engineer
- Process control specialist
- Process engineer
- Process mineralogy specialist
- Pyrometallurgy specialist

Industries

- Mining and minerals processing
- Engineering
- Transportation
- Banking and finance
- Equipment design and sales
- Research and development

Mining Engineering

Develop the skills you need to extract minerals from underground or open-pit mines.

DEGREE

Bachelor of Engineering (Honours) (Mining Engineering)

LEARN MORE

curtin.edu/beh-mneng

Overview

Mining engineering is a profession that is characterised by rapid scientific and industry advancement. Mining engineers typically use the latest technologies to extract minerals from the earth safely and efficiently.

This major is tailored to guide your transition to a career in the global resources sector, equipped to exploit the technological developments that are transforming the industry.

You will learn about emerging mining technology such as robotics, data analytics and machine learning.

You’ll also delve into mining economics, gain understanding and consideration of working with Indigenous cultures, and discover how to make a positive contribution to sustainable development.

In addition, you can study a specialisation or minor in an other discipline, to broaden your expertise and your career options.

In your first year, you’ll complete the Engineering Foundation Year (EFY), learning fundamental concepts and developing skills that are common to all engineering disciplines.

During your second year, you’ll strengthen your knowledge of foundation engineering and study units in geoscience and mining engineering.

You’ll complete your third and fourth years at Curtin Kalgoorlie, where you’ll gain meaningful exposure to the mining industry.

As you progress through the course there will be an increased emphasis on mining science and technology. These topics include soil and rock mechanics, explosives and rock breakage, materials transport, mining methods, mine planning, project evaluation and the environment.

In your final year, you’ll undertake major research project and a team design project.

Double degrees

See pages 134-135 for double degrees with Mining Engineering.

Professional recognition

Curtin’s Bachelor of Engineering (Honours) is accredited in Australia by Engineers Australia and recognised internationally..

Graduates also are eligible for membership of the Australasian Institute of Mining and Metallurgy (AusIMM).

Careers

- Mining engineer
- Management consultant
- Mine manager
- Mine planner and designer
- Mining company director
- Operations manager

Industries

- Government
- Mining and resources
- Research and development
- Risk analysis and investment

Extractive Metallurgy

Learn to manage the operation of metallurgical processing plants in an economical and environmentally responsible way.

DEGREE

Bachelor of Science (Extractive Metallurgy)

GUARANTEED ATAR

70

PREREQUISITES

ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE

ATAR subjects (or equivalent): Chemistry, Physics

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth, then Kalgoorlie

CRICOS CODE

061600D

LEARN MORE

curtin.edu/bach-exmet

Overview

Extractive metallurgists extract and purify metals and other products from ores obtained through mining operations. They have a strong understanding of chemistry, environmental science and mineralogy.

In this course you will learn to develop, optimise and manage the operation of metallurgical processing plants in an economical and environmentally responsible way. These plants transform low-value raw materials into high-value mineral and metal products.

You’ll cover the chemical, physical, economic, environmental and sustainable principles and practices for the extraction of metals from ores.

Your first year of study will be at Curtin Perth. You’ll complete your second year at Curtin Perth or Curtin Kalgoorlie, and your final year will be at Curtin Kalgoorlie, where you can maximise your exposure to industry and potential future employers.

Double degrees

See pages 134–135 for double degrees with Extractive Metallurgy.

Professional recognition

This course is recognised by the Australasian Institute of Mining and Metallurgy (AusIMM), and graduates may be eligible for membership of AusIMM.

Careers

- Metallurgist
- Plant metallurgist
- Process metallurgist
- Processing consultant

Industries

- Banking and finance
- Minerals and mining
- Research and development

Mine and Engineering Surveying

Become a specialist surveyor with expertise in using advanced software and equipment, including GPS and drones, to acquire and process land and satellite data.

DEGREE
Bachelor of Mine and Engineering Surveying

MINIMUM ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Methods

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, then Kalgoorlie

CRICOS CODE
110733C

LEARN MORE
curtin.edu/bach-mineengsurv

Overview

Mine and engineering surveying is a specialised area within engineering and science. Also known as geomatics engineering or geomatics, the profession has a vital role in the resources industry and related infrastructure development.

Mine surveyors are responsible for the measurement, representation and management of data associated with a mining operation. Their core responsibilities include marking, measuring and maintaining mine site surfaces and underground workings. They are also responsible for (under the Mines Safety and Inspection Act 1994) preparing and updating all mine surveying plans for open-pit and underground workings.

Engineering surveyors are integral to the construction industry, ensuring that the locations of civil engineering works are positioned and oriented correctly. Engineering surveying typically precedes construction associated with roads, bridges, tunnels, buildings, industrial plants and hydraulic engineering.

In this course you will learn the advanced technology and scientific principles and methods of surveying; and how to apply these to industry applications, including land development, construction, mining and mapping.

You'll learn how to access, evaluate and generate surveying, spatial and related information from multiple sources. You'll also gain the expertise to recognise, analyse and resolve surveying challenges through surveying methods and technologies. These include total stations, satellite and space positioning (for example, GPS), laser scanning, photogrammetry via drone surveying, geographic information systems (GIS), airborne and marine navigation, digital mapping, satellite and airborne remote sensing, and specialised alignment surveying.

You'll study the first two years of your course at Curtin Perth and your third year at Curtin Kalgoorlie, where you'll have opportunities to engage with industry practices.

Careers

- Engineering surveyor
- Mining surveyor

Industries

- Construction
- Mining and resources
- Urban and regional development

Mining

Gain the skills to help plan and direct the extraction of minerals, both for existing industries and the rapidly expanding critical minerals and rare earths industries.

DEGREE
Bachelor of Science (Mining)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications plus Chemistry or Physics

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, then Kalgoorlie

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-mngsc

Overview

Mining continues to benefit and sustain communities in Australia and around the world, and the extraction of critical minerals and rare earths is increasingly important to the diversity of energy transition industries.

In this course you will study mining methods, rock mechanics, geology and mine planning. You'll develop the skills necessary to work with mining engineers in the extraction of minerals from underground and open-pit mines, safely and economically.

You'll study the first and second years of your course at Curtin Perth and your final year at Curtin Kalgoorlie, where you can engage with industry and potential future employers.

You'll also have field-trip opportunities to gain real-world mining experience.

Double degrees

See pages 134–135 for double degrees with Mining.

Professional recognition

This course is recognised by the Australasian Institute of Mining and Metallurgy (AusIMM). Graduates may be eligible for membership of AusIMM.

Careers

- Engineering consultant
- Mine manager
- Mine ventilation officer
- Mining engineer
- Mining company director

Industries

- Mining and minerals
- Energy

Surveying

Surveying is a highly specialised professional discipline that involves measuring the surface of the Earth and its features.

DEGREE
Bachelor of Surveying (Honours)

MINIMUM ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Methods

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
102612A

LEARN MORE
curtin.edu/bach-surv

Overview

Surveyors use sophisticated technology and scientific principles to provide practical surveying solutions and services to numerous areas of industry and government.

The course draws upon elements from a diversity of disciplines, including computing, engineering, environmental science, geography, geology, physics, mathematics and management.

You'll study specialist areas such as cadastral surveying, engineering surveying, geodesy and photogrammetry; and related areas such as hydrographic surveying, land development, mine surveying, planning and remote sensing.

You'll also become familiar with high-tech areas such as airborne and marine navigation, drone surveying, digital mapping, land and environmental management, laser scanning, satellite and space positioning and specialised alignment surveying.

Professional recognition

Curtin offers the only comprehensive honours degree in surveying in Western Australia.

Graduates can apply for membership of the Geospatial Council of Australia and the WA Institute of Surveyors.

To become a licensed surveyor requires an additional two years' training. Graduates can apply to the Land Surveyors Licensing Board of Western Australia to enter a practical training agreement. Further licensing in hydrographic surveying and mine surveying is also available.

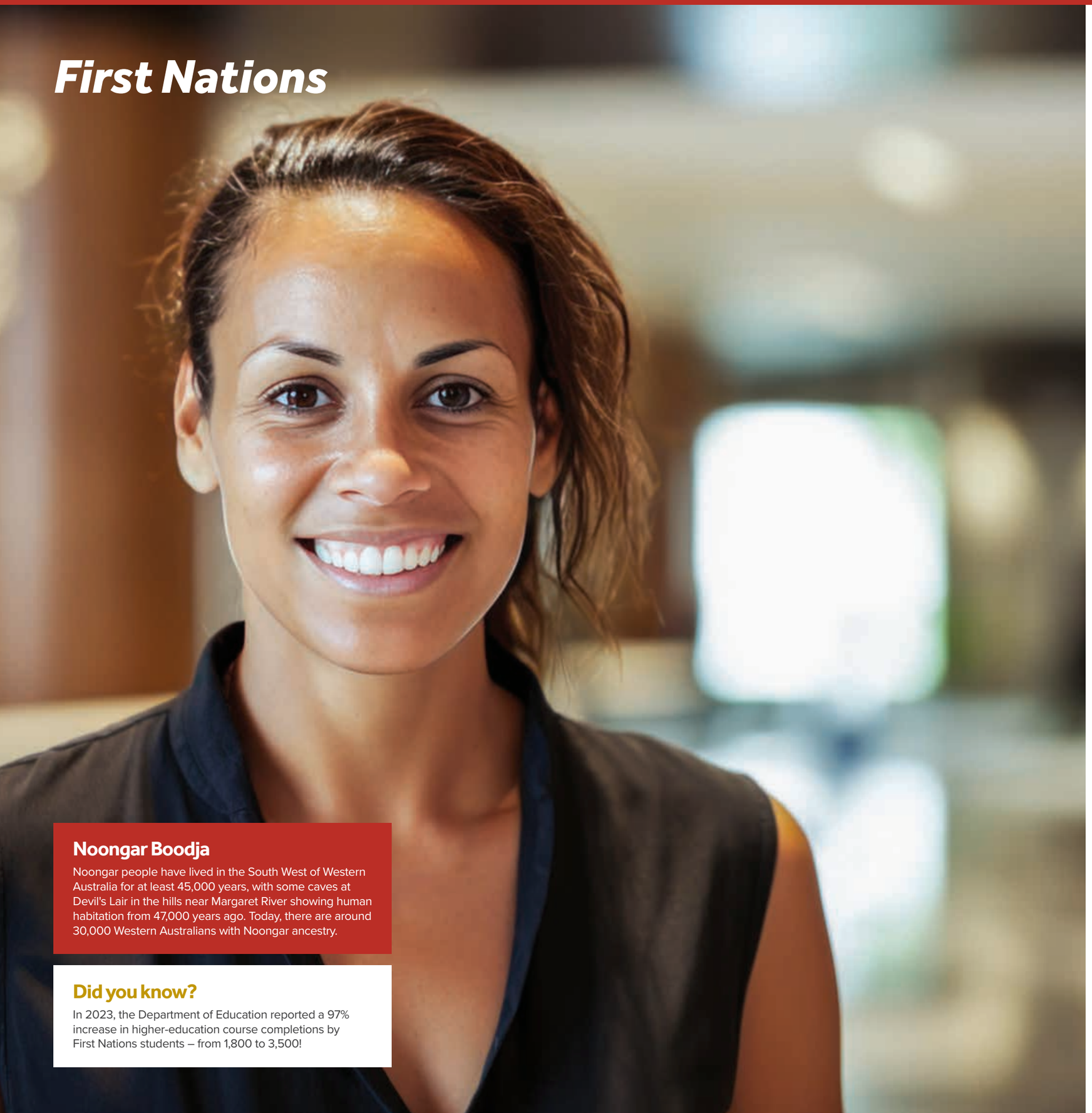
Careers

- Engineering surveyor
- Hydrographic surveyor
- Licensed land surveyor
- Mine surveyor

Industries

- Construction
- Mining and resources
- Government
- Real estate
- Scientific and technical services

First Nations



Noongar Boodja

Noongar people have lived in the South West of Western Australia for at least 45,000 years, with some caves at Devil's Lair in the hills near Margaret River showing human habitation from 47,000 years ago. Today, there are around 30,000 Western Australians with Noongar ancestry.

Did you know?

In 2023, the Department of Education reported a 97% increase in higher-education course completions by First Nations students – from 1,800 to 3,500!

Enjoy learning in a culturally appropriate environment that supports your university journey.

The Centre for Aboriginal Studies (CAS) is a supportive base on campus that gives you a sense of belonging and empowers you to take control of your learning.

The centre has a distinctive design that echoes the CAS logo – a goanna, or karda in the Nyungar language, curled in a circular shape to represent the continuity of life, as well as unity and equality.

Courses

- **Indigenous Pre-Medicine and Health Sciences Enabling Course**
- **Indigenous Pre-Science and Engineering Enabling Course**
- **Indigenous Tertiary Enabling Course**
- **Indigenous Professional Practices**
- **Indigenous Professional Practices (Associate degree)**
- **Undergraduate Certificate in Indigenous Mental Health**

See also

Indigenous Australian Culture (page 38)

Indigenous Pre-Medicine and Health Sciences Enabling Course

An enabling course to help First Nations students gain entry into any health sciences course, including Medicine.

QUALIFICATION

Indigenous Pre-Medicine and Health Sciences Enabling Course

MINIMUM ATAR

N/A

PREREQUISITES

You must be at least 17 years old, of Indigenous Australian descent, and meet English language proficiency and other entry requirements.

Apply at **curtin.edu/en-premed** or send an expression of interest to the Centre for Aboriginal Studies with any relevant academic transcripts or training documents. Proof of Aboriginal descent may be required.

DESIRABLE

N/A

STAT

To demonstrate English proficiency only

PORTFOLIO

Not accepted

INTAKE

Semester 1

STUDY MODE

Full-time

DURATION

1 year

LOCATION

Perth

LEARN MORE

curtin.edu/en-premed

Overview

Are you interested in a career in medicine or health? This course will prepare you for entry into most Curtin health courses (including Bachelor of Medicine, Bachelor of Surgery), giving you the skills and confidence to study a health course in a culturally appropriate environment.

You'll study several foundation subjects, including health sciences, chemistry, mathematics, academic literacy and study skills.

Completion of two units – Foundations for Professional Health Practice, and Human Structure and Function – will be credited to your chosen degree.

Indigenous Pre-Science and Engineering Enabling Course

Our Indigenous Pre-Science and Engineering Enabling Course will prepare you for an enjoyable career in science or engineering.

QUALIFICATION
Indigenous Pre-Science and Engineering Enabling Course

MINIMUM ATAR
N/A

PREREQUISITES
You must be at least 17 years of age, of Indigenous Australian descent and meet the English language proficiency and academic requirements.

To apply, visit the link below or send an expression of interest to the Centre for Aboriginal Studies. Provide any relevant academic transcripts or training documents with your application. Proof of your Indigenous Australian descent may also be required.

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time

DURATION
1 year full-time

LOCATION
Perth

LEARN MORE
curtin.edu/en-indpse

Overview

This enabling course is a pathway for Indigenous Australian students interested in studying an undergraduate science or engineering course at Curtin.

It will help you meet the requirements for your chosen course and will equip you with the skills, knowledge and confidence to succeed at university.

Throughout the enabling course, you'll benefit from small class sizes and a range of academic support services at the Centre for Aboriginal Studies, including mentoring and tutoring.

When you complete the course, you will be eligible for entry into a range of Curtin's undergraduate science and engineering courses.

Depending on the course you choose, you may be exempt from one unit based on what you've learned in the enabling course.

You can then transition into diverse areas of science or engineering, and gain a solid base for further study or work opportunities.

Indigenous Tertiary Enabling Course

Be supported in your learning and fast-track your studies.

QUALIFICATION
Indigenous Tertiary Enabling Course

MINIMUM ATAR
N/A

PREREQUISITES
You must be at least 17 years of age, of Indigenous Australian descent and meet the English language proficiency and academic requirements.

To apply, visit **curtin.edu/en-indpse** or send an expression of interest to the Centre for Aboriginal Studies. Provide relevant academic transcripts or training documents with your application. Proof of your Indigenous Australian descent may also be required.

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
6 months full-time

LOCATION
Perth

LEARN MORE
curtin.edu/en-tert

Overview

This short course is designed to fast-track First Nations students with a secondary education and/or a relevant TAFE qualification into undergraduate study.

When you complete the course, you will have the skills and confidence you need to study at tertiary level, and you'll be eligible for entry into a range of Curtin's degree and associate degree programs.

You can also benefit from career development opportunities such as mentoring and support in finding student work placements.

Indigenous Professional Practices

Become a role model for positive change in First Nations health and communities.

DEGREE
Bachelor of Applied Science (Indigenous Professional Practices)

MINIMUM ATAR
N/A

PREREQUISITES
Available only to applicants of Indigenous Australian descent. You must do an admissions test and submit a résumé

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Study block 1[1]

STUDY MODES
Full-time*

DURATION
3 years full-time

LOCATION
Perth

LEARN MORE
curtin.edu/bach-indigpp

*[1] You must attend four study blocks on campus per year. See **curtin.edu/blockstudy**.*

Overview

The Bachelor of Applied Science (Indigenous Professional Practices) provides you the opportunity to learn in a culturally appropriate environment about Indigenous mental health and community development.

This course aims to empower you to become a role model for positive change in Indigenous health and communities. You will learn how to achieve this through the application of Indigenous knowledge, mental healthcare, community development concepts and practice, and project development, implementation and evaluation.

Graduates may qualify for entry into a bachelor degree with honours and some graduate certificates, graduate diplomas and master degrees.

This course allows you to choose between two majors: Indigenous Community Management and Development, and Indigenous Mental Health Principles and Practice.

Indigenous Community Management and Development

The Indigenous Community Management and Development major aims to provide Aboriginal and Torres Strait Islander students with the knowledge and skills required to bring about effective, culturally appropriate social change in Indigenous services and community settings.

You will learn about innovative community management practices as well as Indigenous way of working and community development principles.

The course covers six main areas of study:

- Project management theories and practice
- Community development processes and practice
- Policy development and implementation issues
- Analysis of the main historical, social, political and economic factors and the ways in which they have influenced contemporary Indigenous society
- Evaluation research
- Organisational management and governance.

Indigenous Australian Mental Health Principles and Practice

The Indigenous Mental Health Principles and Practice major enables you to develop the skills and knowledge necessary to work as an Indigenous mental health practitioner.

It will provide you with comprehensive mental health strategies, skills, knowledge and treatment methodologies to engage with Aboriginal mental health patients.

Careers

- Community engagement officer
- Indigenous mental health officer
- Policy manager
- Project manager

Industries

- Community development
- Indigenous mental health
- Education
- Health
- Public relations

Indigenous Professional Practices (Associate degree)

This associate degree gives you the skills required to provide an alternative, inclusive approach to health management that acknowledges First Nations healing practices.

DEGREE

Indigenous Professional Practices (Associate Degree)

MINIMUM ATAR

Not applicable

PREREQUISITES

None

DESIRABLE

None

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 2

STUDY MODES

Full-time, part-time

DURATION

2 years full-time

LOCATION

Perth

LEARN MORE

curtin.edu/ad-indigpp

Overview

Skilled Aboriginal and Torres Strait Islander health workers are in great demand. More Indigenous professionals are needed in the health industry to work within their communities and provide holistic healthcare frameworks.

This course also aims to empower you to become a role model for positive change in Indigenous health. You will learn how to achieve this through the application of Indigenous knowledge, primary healthcare, health promotion, community development concepts and practice, and project development, implementation and evaluation.

If you are already working in a health related position, this course will increase your knowledge and skills to perform more effectively. You can learn the skills required to provide an alternative, inclusive approach to health management that acknowledges Indigenous healing practices.

Graduates may qualify for entry into a bachelor degree with honours and some graduate certificates, graduate diplomas and master degrees.

The course allows you to choose between two majors: Indigenous Community Health and Indigenous Mental Health Worker.

Indigenous Community Health

This major provides you with the skills and knowledge necessary to work in the policy, planning, health promotion and project management areas of the Indigenous health industry.

It aims to empower and strengthen the wellbeing of Aboriginal and Torres Strait Islander communities through a holistic, multidisciplinary approach that encompasses contemporary Indigenous healing practices, Indigenous self-determination in health, the application of Indigenous knowledge, primary health care, health promotion concepts and practices.

This major will you to take leadership roles in the formulation and implementation of programs, in particular, through the development and application of Aboriginal Terms of Reference.

Indigenous Mental Health Worker

This major gives you the skills and knowledge necessary to work in Indigenous mental health.

It aims to empower and strengthen the wellbeing of Aboriginal and Torres Strait Islander communities through a holistic, multi-disciplinary approach that encompasses traditional healing practices and best practice treatment in mental healthcare.

It provides comprehensive mental health strategies, skills, knowledge and treatment methodologies to engage and inter-relate with Aboriginal community mental health patients who may be suffering with a mental health illness.

Careers

- Community engagement officer
- Indigenous mental health officer
- Policy manager
- Project manager

Industries

- Community development
- Indigenous mental health
- Education
- Health
- Public relations

Health

Like much of the world, Australia is experiencing an acute shortage of health professionals – including in allied health, diagnostics, medicine, midwifery and nursing.[1]

The shortage highlights the need for skilled health professionals and the exceptional career opportunities open to health sciences graduates.

Curtin provides simulated workplaces so you can gain experience as close as possible to real-world work environments. We also provide practical experience in community clinics.

[1] Skills Priority List Key Findings Report, Australian Government, September 2023.

TRENDS TO WATCH

- Precision medicine
- Virtual healthcare assistants
- eSkin
- AR in surgery
- 3D-printed surgical tools and prosthetics

Courses

- **Advanced Biomedical Sciences**
- **Biomedical Sciences**
- **Exercise and Sport Science**
- **Health Promotion**
- **Health, Safety and Environment**
- **Health Sciences**
- **Laboratory Medicine**
- **Medical Radiation Science**
- **Medicine**
- **Midwifery**
- **Nursing**
- **Nutrition and Food Science**
- **Occupational Therapy**
- **Oral Health Therapy**
- **Pharmacy**
- **Physiotherapy**
- **Psychology**
- **Psychology and Human Resource Management**
- **Social Work**
- **Speech Pathology**

See also

- **Biochemistry** (page 125)
- **Molecular Genetics (Advanced)** (page 131)
- **Multidisciplinary Science** (page 132)

Advanced Biomedical Sciences

Contribute to the advancement of health and scientific discovery by completing an honours degree in biomedical research.

DEGREE
Bachelor of Advanced Biomedical Sciences (Honours)

MINIMUM ATAR
90

PREREQUISITES
ATAR subjects (or equivalent): Chemistry, Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent): Biology, Human Biology, Physics

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
102739H

LEARN MORE
curtin.edu/bach-advbio

Overview

This honours degree is designed for high-ATAR students with an interest in biomedical science research.

In your first year, you will study units specific to this course and inter-professional units with students from other disciplines.

From your second year, you'll study your chosen major – either Discovery Bioscience or Clinical Medical Science – and build skills in experimental design, ethics, statistical analysis, data management, critical interpretation and scientific writing.

You'll undertake project units with strong industry and research collaborations that provide guided practical experience in biomedical research.

You'll also participate in a research roadshow in operational research settings, such as laboratories and clinical trial sites, and have opportunities for extracurricular activities that further develop your research skills.

In your final year, you'll complete a full-year research program in the laboratory of an approved university, research institute or industry site.

Discovery Bioscience

In this major you will explore how knowledge of the biological processes that underpin a person's health is advancing. Topics include genomics, bioinformatics, transcriptomics, proteomics, metabolomics and lipidomics, as well as the application of new technologies.

Clinical Medical Science

In this major you will study clinical biosciences and emerging therapies. Topics include population and personalised medicine and clinical trials. You'll also gain a strong foundation in anatomy, physiology, neuroscience, immunology and regenerative medicine.

Careers

- Biomedical scientist / researcher
- Biotechnologist
- Researcher / research assistant
- Medical communication
- Biomedical sales

Industries

- Biotechnology
- Pharmaceutics
- Medical diagnostic
- Hospital and medical
- Biomedical technology and product development
- Tertiary education

“I chose Biomedicine and the Human Biomedicine major to gain a deeper understanding of the human body and how it functions. I came from a non-science background in high school, but Curtin provides amazing resources and study sessions, and every tutor was happy to help if you asked!

I enjoy that every unit is hands-on – we learn practical skills from day one – and also being able to explore different topics, such as molecular biology, genetics and chemistry.”

Polina Longva

Bachelor of Biomedical Sciences

Biomedical Sciences

Combine biology with medicine for a career at the cutting edge of health science and innovation.

DEGREE

Bachelor of Biomedical Sciences

MINIMUM ATAR

70

PREREQUISITES

ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE

ATAR subjects (or equivalent): Biology, Chemistry, Human Biology

STAT

Accepted

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth

CRICOS CODE

102738J

LEARN MORE

curtin.edu/bach-biomed

Overview

In this course, you will explore areas of biology that are related to human health and disease. It is a flexible course in which you can tailor your studies to your preferred career path – from vaccine development to formulating new pharmaceuticals.

In your first year, you will complete foundation studies in human biology, genetics, cell biology, microbiology and immunology. You'll also study relevant areas of biostatistics, chemistry and scientific communication.

You'll then select one or two majors, as well as specialisations and optional units. All options combine theory with practical sessions in advanced laboratories, where you'll work on real-world scenarios that prepare you for your career.

Majors and specialisations

You can choose to study one or two of the majors in Human Biomedicine, Molecular Genetics or Pharmacology.

If you select one major, you can also study a specialisation in Human Pathology, Immunology and Cell Biology, Microbiology, Human Genetics or Pharmacology.

Or, you may instead choose a specialisation from another discipline, such as Corporate Governance.

Human Biomedicine

Biomedicine is the application of biological and physiological principles to clinical practice.

You will learn applied human anatomy, physiology and neuroscience, with laboratory experience using cadaveric specimens and physiology equipment.

If you study the Human Pathology specialisation, you can extend your studies into clinical pathophysiology and neurophysiology, which will prepare you for a career as a clinical physiologist.

Molecular Genetics

Molecular genetics is a rapidly advancing discipline. In this major you will learn about genetics and genomics and how universal principles and advances in this area can improve health outcomes.

Learning theory alongside practical laboratory training, you'll study molecular biology, human genetic disease, bioinformatics and genetic engineering.

You'll also be introduced to advanced technology for molecular and genetic analyses and develop skills in critical thinking and science communication.

Pharmacology

Pharmacology explores the effects of drugs on living organisms, and is the foundation for a career in drug discovery and development.

In this major, you will gain a strong understanding of drug action against microorganisms and pharmacological management of health conditions.

You'll undertake computer-based simulations and laboratory work covering molecular, cellular and physiological responses; and modern drug analysis techniques.

You'll also learn about the dose–response relationship, toxicity, and drug metabolism and elimination; drug design and development; and how genetic variation between populations influences drug response.

Optional units

You can study optional units to further explore your career interests in areas such as reproductive technologies, bioinformatics, forensics and psychology.

Careers

- Clinical, research or life scientist
- Laboratory technician / assistant
- Physiologist
- Anatomist
- Forensic scientist
- Biotechnologist
- Molecular geneticist

Industries

- Clinical health
- Clinical / medical research
- Biotechnology
- Pharmaceutics
- Health policy
- Biomedical infrastructure
- Tertiary education

Exercise and Sport Science

Gain the expertise to deliver exercise programs for health and wellbeing, athletic performance, and the prevention of injury and disease.

DEGREE

Bachelor of Science (Exercise and Sport Science)

MINIMUM ATAR

70

PREREQUISITES

None

DESIRABLE

ATAR subjects (or equivalent): Human Biology, Mathematics Applications, Physical Education Studies

STAT

Accepted

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth

CRICOS CODE

077744A

LEARN MORE

curtin.edu/bach-exsprhb

Overview

Exercise scientists help people prevent and recover from injury and disease, help maximise athlete performance, and promote wellbeing and healthy ageing. They use a person-centred approach to educate individuals and communities about the benefits of exercise and encourage lifelong positive exercise behaviours.

In this course, you will gain the theoretical knowledge and practical skills within each of the foundational pillars of exercise science: biomechanics, physiology, psychology, behaviour change, and motor control and learning.

In your first year of study, you'll gain foundational knowledge and skills. In your second and third years, you'll delve deeper into each pillar of exercise science. In your final year, you'll apply your expertise in real-world settings.

Your professional practice experience will include at least 140 hours at our site at Cockburn Aquatic and Recreation Centre and through one of our industry partnerships – which span elite sport, strength and conditioning, corporate health, clinical exercise physiology and paediatric exercise.

This is a practical course and active participation in practical classes is essential. Please note that some practical classes involve disrobing, as well as palpation of muscles and bony landmarks for learning anatomy and skills such as anthropometry.

Further study

High-performing students may apply to complete an honours degree. An honours program involves managing a research project to contribute to scientific knowledge, while experiencing working as an exercise or sport scientist.

For high-performing students, the Bachelor of Science (Exercise and Sport Science) is also the stepping stone to our Master of Clinical Exercise Physiology – which will broaden your capabilities and enable you to use exercise to treat chronic conditions.

Professional recognition

Graduates are eligible to apply for accreditation with Exercise and Sports Science Australia.

Careers

- Fitness and performance consultant
- Exercise scientist
- Strength and conditioning coach
- Corporate health consultant
- Health and fitness assessor
- Workplace wellbeing consultant
- Sport developer
- Preventative health / early intervention
- Health promotion consultant
- Cardiac technician (preventative health and early intervention)

Industries

- Sport and recreation
- Healthcare
- Defence
- Business
- Government
- Education
- Industrial, resources and mining
- Research and development

Health Promotion

Improve the health of people and communities using strategies to address needs, prevent disease and benefit society.

DEGREE
Bachelor of Science (Health Promotion)

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, online

CRICOS CODE
003779B

LEARN MORE
curtin.edu/bach-hlprom

Overview

In this course, you will gain a strong understanding of the social, political, economic and environmental factors that influence health.

You'll learn how to plan, implement and evaluate health promotion strategies such as health policy, advocacy, and community education and development.

In your first year, you'll study the foundations of public health – including biostatistics, epidemiology and human biology – and health in social and cultural contexts.

In your second and third years, you'll learn about social justice and how to improve the health of marginalised people. You'll also participate in fieldwork and complete an on-campus health promotion project.

In your final year, you'll undertake 100 hours of professional placement with a health promotion organisation, to develop and practise key industry competencies before you graduate.

You may also have opportunities to advance your expertise at the Collaboration for Evidence, Research and Impact in Public Health (CERIPH) – an internationally acclaimed centre at Curtin Perth – and through overseas study tours.

Double degrees

See pages 134–135 for double degrees with Health Promotion.

Professional recognition

This course is accredited internationally by the International Union for Health Promotion and Education.

Careers

- Health promotion officer/consultant
- Community development officer
- Health policy officer/consultant
- Health project officer
- Health research officer
- Workplace health officer/consultant

Industries

- Community health
- Health research
- International aid
- Government
- Non-government organisations

Health, Safety and Environment

Gain the expertise for a diverse career in the expanding area of occupational health and safety.

DEGREE
Bachelor of Science (Health, Safety and Environment)

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Malaysia, online

CRICOS CODE
064468A

LEARN MORE
curtin.edu/bach-hlsfenv

[1] Perth intake shown.

Overview

In this course, you will learn how to create, maintain and manage a safe and healthy workplace. You'll also develop skills in critical thinking, information literacy and technology.

In your first year, you'll study interprofessional course units with students from other disciplines.

In your second and third years, you'll learn how to identify and manage risks and hazards; participate in decision-making processes; and improve health and safety to prevent injuries and illness in the workplace.

You'll complete a 100-hour placement in your second year and a 150-hour placement in your third year, to build your practical expertise and experience industry work environments.

Double degrees

See pages 134–135 for double degrees with Health, Safety and Environment.

Professional recognition

This course is accredited by the Australian Occupational Health and Safety Education Accreditation Board (Safety Institute of Australia) and accredited in the UK by the Institution of Occupational Safety and Health.

Careers

- Health and safety advisor/consultant

Industries

- Minerals and energy
- Construction
- Education
- Healthcare
- Manufacturing
- Transport
- Government


Photo credit: Shari Orford

“As part of my course I gained research experience through a placement at the Telethon Kids Institute with a team dedicated to public health. I worked on several projects as a research assistant, which involved applying the skills I had learnt throughout my degree.

Being hands-on in the workplace was such an amazing experience and led to a position as a paid research assistant with the institute, where I contributed to a published report. These opportunities I am forever grateful for.”

Rose Wheatley

Bachelor of Science (Health Sciences)

Health Sciences

Gain expertise in public health, specialising in big data to inform public health policies, or in health sciences for careers in health management and planning.

DEGREE
Bachelor of Science (Health Sciences)

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, online

CRICOS CODE
003691K

LEARN MORE
curtin.edu/bach-hlthsc

Overview

This multidisciplinary course will give you the knowledge and skills for a career in public health, contributing to the prevention of disease and disability at the community or population level.

You'll learn how psychosocial and environmental factors affect health and wellbeing, and about public health and healthcare systems. You'll then apply your analytical and planning skills to create evidence-based approaches that align with the United Nations Sustainable Development Goals.

After completing this course you may apply to study a graduate-entry master course in midwifery, nursing, occupational therapy, physiotherapy, social work or speech pathology.

Choose your specialisation

In your third year of study, you can choose a specialisation to advance your expertise in a particular area. You may specialise in Health Data or Health Sciences or choose an Accelerated Bachelor Master pathway.

Health Data

In this specialisation, you will learn how to analyse big data to reveal health patterns and trends, such as the impacts of climate change on health.

You'll also learn about data capture, cybersecurity and data visualisation, and how artificial intelligence and machine learning are being used in health.

In addition, you'll build interpretive and decision-making skills and learn how to present results to various audiences, including clinicians, health professionals and the public.

Health Sciences

This specialisation allows you to combine optional units with studies in public health disciplines such as health promotion, epidemiology and biostatistics, environmental health, occupational health and safety, and global public health administration.

Career outcomes are diverse and you'll be able to tailor your studies to your career goals.

Accelerated Bachelor Master pathway[1]

In this pathway, in the third year of your course you'll complete four units from a master degree. You may then choose to continue studying for your master degree.

As an accelerated pathway, this option reduces the time needed to complete the bachelor and master degrees separately by six months.

Specialisations available are:

- Public Health
- Health Administration
- Sexology
- Occupational Health and Safety.

1 This pathway requires a course-weighted average of 60 or higher after completing 300 credit points.

Professional recognition

Graduates can apply for membership of the Public Health Association of Australia, the Health Services Research Association of Australia & New Zealand, and the Australasian Epidemiological Association.

Careers

- Community development officer
- Health data management officer
- Health project consultant
- Health research assistant

Industries

- Healthcare
- Government
- Non-government organisations

Laboratory Medicine

Gain the knowledge and skills to launch your career as a professional medical laboratory scientist.

DEGREE
Bachelor of Science (Laboratory Medicine)

MINIMUM ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Human Biology, Mathematics Applications

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
064464E

LEARN MORE
curtin.edu/bach-labmed

Overview

In this course, you will learn about the pathology of disease – its origin, nature and course – and diagnosis.

In your first year, you'll study interprofessional course units with students from other disciplines.

In your second year, you'll learn the cellular and tissue aspects of pathology and the various disciplines of laboratory medicine.

In your third and fourth years, you'll focus on three of these disciplines: anatomical pathology, haematology and transfusion science, clinical biochemistry, immunology, medical microbiology.

You'll also gain extensive practical experience in Curtin's purpose-built Physical Containment Level 2 Laboratory. Here, you'll process and analyse clinical samples, identify microbes and report results as done by a professional laboratory.

You'll further develop your practical skills during a 24-week placement in a diagnostic pathology laboratory.

Professional recognition

This course is accredited by the Australian Institute of Medical and Clinical Scientists.

Careers

- Medical scientist

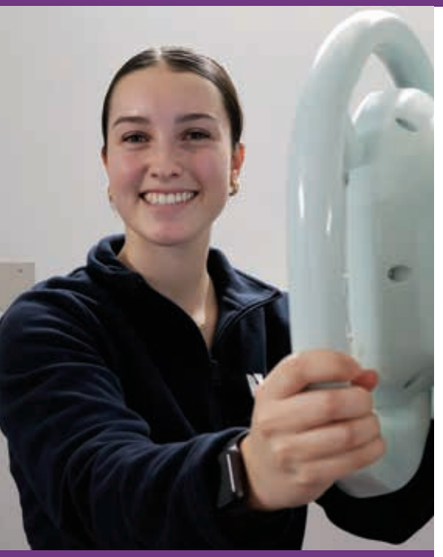
Industries

- Community health
- Education
- Health technology
- Healthcare
- Research and development

“I really enjoy the practical laboratory elements of this course and the engaging, interesting content. It's been great studying with such a diverse cohort and being an active member of the biomedical sciences club. In the future, I'm hoping to work for the World Health Organization as an epidemiologist to create change on a global scale.”

Stefi Susan Binu

Bachelor of Science (Laboratory Medicine)



“I was unsure which course I wanted to do at university, until I discovered Medical Radiation Science at Curtin. One of the best things about this course are the multiple clinical placements – you get to experience what it’s like working in your field, as well as meet people and make connections.

I love that my course allows me to make a meaningful difference in people’s lives daily.”

Indianna Weeden

Bachelor of Science (Medical Radiation Science)

Medical Radiation Science

Learn to use medical radiation to help diagnose, treat and monitor medical conditions or provide cancer therapy.

DEGREE

Bachelor of Science
(Medical Radiation Science)

MINIMUM ATAR

90

PREREQUISITES

ATAR subjects (or equivalent):
Physics, plus Mathematics Applications or Mathematics Methods or Mathematics Specialist

DESIRABLE

ATAR subjects (or equivalent):
Mathematics Specialist

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1

STUDY MODES

Full-time

DURATION

4 years full-time

LOCATION

Perth

CRICOS CODE

088215B

LEARN MORE

curtin.edu/bach-scimrs

Overview

Medical radiation science enables health professionals to diagnose, treat and monitor medical conditions or provide cancer therapy. Due to rapid technological advances, medical imaging and radiation therapy sectors are continuing to expand.

This course comprises foundation studies required for medical radiation science practice. Subjects include medical physics, anatomy, physiology and evidence-based practice; and science and health sciences subjects that provide a grounding in the healthcare environment.

In your first year, you’ll study interprofessional course units with students from other health science and science disciplines. As your studies progress, you’ll major in Medical Imaging or Radiation Therapy.

You’ll also develop the ethical, medico-legal, cultural awareness and communication skills needed for the responsible care of patients.

During your course, you’ll undertake 45 weeks of clinical experience in hospitals, private practices and rural and regional health sites.

Medical Imaging

Medical imaging professionals work with sophisticated diagnostic imaging modalities – including digital radiography, fluoroscopy, computed tomography, magnetic resonance imaging, mammography and angiography equipment.

They produce images that are used to confirm or exclude a medical diagnosis, advise on a treatment or illness, monitor patient progress or provide medical screening.

Radiation Therapy

Radiation therapists have an integral role in the treatment, care and management of patients undergoing radiation therapy treatment, primarily in treating cancer types.

They use a range of complex technologies and equipment to design, develop and deliver radiation therapy treatment.

Professional recognition

This course is accredited by the Medical Radiation Practice Board of Australia.

Careers

- Medical imaging professional
- Radiation therapist

Industries

- Clinical research
- Health and safety
- Private medical practice
- Hospitals
- Technology supply
- Support services
- Tertiary education

Medicine

Train to be a doctor and gain the expertise for a range of careers in medicine.

DEGREE

Bachelor of Medicine, Bachelor of Surgery

MINIMUM ATAR[1]

95

PREREQUISITES[1,2]

ATAR subjects (or equivalent):
Chemistry. Applicants must also complete the University Clinical Aptitude Test ANZ (UCAT ANZ) and the Casper Test[3,4]

DESIRABLE

ATAR subjects (or equivalent):
Biology, Human Biology, Mathematics Applications, Mathematics Methods, Mathematics Specialist

STAT

Not accepted

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1

STUDY MODES

Full-time

DURATION

5 years full-time

LOCATION

Perth

CRICOS CODE

105741A

LEARN MORE

curtin.edu/bach-mbbs

[1] Note that this is a competitve-entry course.
[2] We may request supplementary documents.
[3] Aboriginal and Torres Strait Islander applicants are exempt from the UCAT ANZ and Casper tests.
[4] For details, visit acuityinsights.app.

Overview

In the Bachelor of Medicine, Bachelor of Surgery, you will study biomedical sciences and clinical sciences, as well as healthcare in settings such as primary care, hospitals and aged care.

You’ll also study Indigenous health, population health and professional development concepts.

In your first year, you’ll be introduced to the curriculum domains that underpin a holistic approach to medicine. Patient cases provide the vehicle for integrating the basic and clinical sciences, and problem-based learning will give you the tools for ‘thinking like a doctor’.

Your second and third years will be a more intensive study of medical knowledge that focuses on the structure and function of the human body in health and disease.

In your fourth year, you’ll transition from on-campus learning into hospital and community settings (including in rural and remote locations), working with people of all ages under clinical supervision.

In your final year, you’ll be immersed in clinical settings, working as a member of a healthcare team, in preparation for your internship once you graduate.

Bachelor of Medical Science (Honours)

After completing your third year, you’ll have the option to apply for the Bachelor of Medical Science (Honours). If you are considering a career in clinical research or academia, this one-year program will give you the opportunity to progress to a higher degree by research (HDR) after your internship.

Alternative entry pathways

In addition to the ATAR pathway, other entry pathways are available to Aboriginal and Torres Strait Islander applicants, and rural and equity applicants. To learn more, visit **curtin.edu/bach-mbbs.**

Professional recognition

This course is accredited by the Australian Medical Council.

Careers

- Medical practitioner

Industries

- General medical practice
- Community health
- Rural health
- Aged care
- Mental health
- Pathology
- Research

“I’ve really enjoyed the challenge of studying medicine.

I’ve been fortunate to learn in beautiful, rural locations like Kalgoorlie and Broome where I’ve connected with other Indigenous mobs, as well as my own.

I’m currently working at Fiona Stanley Hospital with amazing mentors and I hope to become an orthopaedic surgeon.”

Isaiah Kamid

Bachelor of Medicine, Bachelor of Surgery

Midwifery

Gain the skills to support and care for women during pregnancy, labour and birth, as a midwife.

DEGREE
Bachelor of Science (Midwifery)

MINIMUM ATAR
80

PREREQUISITES
None

DESIRABLES
ATAR subjects (or equivalent):
Human Biology, Mathematics Applications

STAT
Accepted

PORTFOLIO
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
N/A

LEARN MORE
curtin.edu/bach-midw

Overview

Midwives are an essential part of professional healthcare, working in settings such as healthcare clinics, hospitals, community practices, birthing centres and home settings.

In this course, you will gain the comprehensive knowledge and skills required to practise midwifery.

Your studies will include topics across biological, physical, psychological and social sciences.

You'll also complete supervised clinical placements in maternity units and follow individual women through their childbirth journey through the 'continuity of care experience' (CCE) approach.

Upon graduating, you'll be qualified to work in metropolitan and rural healthcare settings such as antenatal clinics (including specialty clinics for adolescent, high-risk and diabetic women), labour and birth suites, postnatal wards, special-care nurseries, breastfeeding clinics, midwifery group practice and birth centres.

This course is suitable for school leavers and for mature-age students. The current national shortage of midwives means that you can expect excellent career opportunities across Australia.

Professional recognition

This course is pending accreditation by the Australian Nursing and Midwifery Accreditation Council and approval by the Nursing and Midwifery Board of Australia.

Careers

- Midwife
- Antenatal consultant
- Birthing consultant
- Postnatal consultant

Industries

- Healthcare
- Government and non-profit organisations

Nursing

Become a registered nurse with the expertise to deliver comprehensive care to patients in diverse healthcare settings.

DEGREE
Bachelor of Science (Nursing)

MINIMUM ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent):
Human Biology, Integrated Science

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
3 years, 6 months

LOCATION[1]
Perth, Albany, Kalgoorlie

CRICOS CODE
041794K

LEARN MORE
curtin.edu/bach-nurs

[1] Kalgoorlie and Albany offer the Enrolled Nurse to Registered Nurse stream only.

Overview

This is a comprehensive course that includes biological, psychosocial and nursing sciences; advanced clinical skill development; and simulated practice and fieldwork.

Your studies will focus on developing the knowledge and skills needed for our changing healthcare system.

Throughout the course, you'll be encouraged to be an active member of an interprofessional healthcare team, gaining the opportunity to study with various nursing and medical specialists in a range of fields.

You'll develop strong, practical skills through supervised clinical placements in hospital, private practice, aged care, rural health, and community and mental health settings.[1]

You may also have the opportunity for international study experiences.

[1] Note that break from study of more than one semester may incur additional clinical practice.

Alternative streams

If you are currently a qualified enrolled or registered nurse, we provide these options to enhance your qualification:

- Enrolled Nurse to Registered Nurse stream (domestic only)
- Registered Nurse Conversion – Australian Registration Nurse stream (domestic and international)
- Registered Nurse Conversion – Non-Registration Nurse stream (domestic only).

To study one of these three alternative streams, apply for the Bachelor of Science (Nursing) and for credit for recognised learning (CRL). When your CRL is confirmed, select your stream.

Professional recognition

Graduates can apply for registration as a Registered Nurse (Division 1) with the Nursing and Midwifery Board of Australia.

Careers

- Registered nurse

Industries

- Community health
- Hospital (public and private sectors)

▶ ▶ ▶

Nutrition and Food Science

Learn the science of nutrition and the best way to promote healthy diet behaviours.

DEGREE
Bachelor of Science
(Nutrition and Food Science)

MINIMUM ATAR
70

PREREQUISITES
Any ATAR subject from the following list: Biology, Chemistry, Human Biology, Integrated Science, Physics

DESIRABLE
ATAR subjects (or equivalent):
Chemistry, Mathematics Applications

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
003887J

LEARN MORE
curtin.edu/bach-nutr

Overview

This course integrates the fundamental sciences linked to human nutrition and food science with practical experience, giving you the specialist expertise to contribute to global health and wellbeing.

In the first half of your studies, you will develop knowledge in physiology, biochemistry and biomedical sciences, alongside an introduction to health and food behaviours.

Your second year builds on these foundations and explores food chemistry, food processing and the effects of dietary nutrients on health and human development across the life cycle.

You'll also evaluate the latest scientific literature in the fields of nutrition and food science and relate this to developments in the discipline area.

In the second half of your studies, you'll focus on the stream of your choice, either Nutrition or Food Science.

Nutrition

This stream will further develop your understanding of the evidence behind the associations between diet and health outcomes. You'll explore the social and cultural influences that impact dietary decisions within the population.

You'll also conduct a nutrition professional placement, which will develop your career identity and facilitate your transition to the workplace or to postgraduate studies.

Graduate nutritionists may undertake further study to specialise in a professional area, including dietetics, research, food science and technology, health promotion or teaching.

Food Science

Australia is a major food producing country, and nutritionists working in food industries have a critical role in optimising the food supply to enable the population to meet dietary guidelines.

This stream focuses on health outcomes to improve the safety and quality of foods and advocate for healthy choices. During your studies you'll complete a work placement with an industry organisation.

Double degrees

See pages 134–135 for the available double degree, Nutrition and Health Promotion.

Professional recognition

Graduates are eligible for membership of the Australian Institute of Food Science and Technology.

We encourage students in the Nutrition stream to apply for student membership with the Nutrition Society of Australia and the Public Health Association of Australia.

We encourage students in the Food Science stream to apply for student membership with the Nutrition Society of Australia and the Australian Institute of Food Science and Technology.

Careers

- Dietitian
- Nutritionist
- Food scientist
- Food technologist
- Home economist
- Community health consultant
- Educator
- Food manufacturing consultant
- Health and food fitness consultant
- Research assistant

Industries

- Community health
- Education
- Health research and development
- Food manufacturing
- Fitness and wellbeing

“The fieldwork elements in the OT course provide such an amazing opportunity to consolidate skills, knowledge and techniques in a real-world environment.

I feel ready to enter the workforce, and my placements have shown me that I have the skills to start working, with support, at a graduate level.”

Georgia Williams

Bachelor of Science (Occupational Therapy) (Honours)

Occupational Therapy

Gain the skills to help people who have experienced injury, illness or disability to engage in occupations and activities.

DEGREE
Bachelor of Science (Occupational Therapy) (Honours)

MINIMUM ATAR
83

PREREQUISITES
Any ATAR subject from the following list: Biology, Chemistry, Earth and Environmental Science, Integrated Science, Physics, Psychology, Physical Education Studies

DESIRABLE
ATAR subjects (or equivalent): Human Biology, Mathematics Applications, Physics

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
094933K

LEARN MORE
curtin.edu/bach-occt

Overview

Occupational therapists work with people of all ages who may have experienced injury, illness or disability. They help people to engage in occupations or activities that are meaningful to them and to achieve independence, better health, wellbeing and satisfaction in their lives.

In this course, you will learn to identify the physical, psychosocial, cognitive, behavioural and environmental factors that can help or hinder participation in everyday activities.

You'll learn to collaborate with other health professionals to provide cross-disciplinary care focused around the client and their needs.

Throughout the course, you'll learn in laboratories, learning spaces and resource rooms tailored for gaining occupational therapy skills. You'll also complete approximately 1,000 hours of fieldwork practice in various clinical and industry settings.

Professional recognition

This course is recognised by the World Federation of Occupational Therapists.

Graduates using the titles registered health practitioner or occupational therapist must be registered with the Occupational Therapy Board of Australia.

Careers

- Occupational therapist

Industries

- Acute care
- Disability services
- Injury management
- Mental health and wellbeing
- Rehabilitation
- Aged care
- Child health

Oral Health Therapy

Develop the expertise to provide various clinical dental services and promote oral health.

DEGREE
Bachelor of Science (Oral Health Therapy)

MINIMUM ATAR
80

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Human Biology

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
074565F

LEARN MORE
curtin.edu/bach-oralht

Overview

Oral health therapists are experts in the prevention of oral diseases and have an important role in oral health education. Within their clinical responsibilities, they examine and treat patients, professionally cleaning teeth and removing stains and calculus. They are specifically trained to work with children, but can treat tooth decay and perform certain fillings in patients of all ages.

In this course, you'll learn how to communicate with a diverse group of patients, develop public health initiatives, change behaviours and manage oral and dental diseases.

Throughout your studies, you'll complete various placements, collaborating with dentists and other healthcare professionals to address the oral health needs of individual patients.

Upon graduating, you'll have the knowledge, practical skills and confidence required to commence your career as an oral health therapist.

Professional recognition

This course is accredited by the Australian Dental Council and the Dental Board of Australia.

Graduates are eligible for professional recognition by the Australian Dental and Oral Health Therapists Association.

Careers

- Oral health therapist

Industries

- Dental practice
- Hospital
- Government and community health
- Aged care and residential care

Pharmacy

Develop pharmacy practice skills to prepare and dispense medicines, and provide advice.

DEGREE
Bachelor of Pharmacy (Honours)

MINIMUM ATAR
80

PREREQUISITES
ATAR subjects (or equivalent): Chemistry, Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Biology, Human Biology

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
096304A

LEARN MORE
curtin.edu/bach-pharm

Overview

The goal of pharmacy care is to maximise positive healthcare outcomes and improve patients' quality of life with minimum risk.

In your first year of study, you will learn the foundations of biochemistry, physiology, pathophysiology and pharmacy practice. You'll also learn interprofessional healthcare, studying alongside students from other health science disciplines.

You'll then study pharmaceutics, medicinal chemistry, antimicrobial chemotherapy, pharmacology and pharmacotherapy. You'll also continue developing your pharmacy practice skills.

During your studies, you'll complete a minimum of eight weeks (300+ hours) of clinical placements. There are opportunities to complete placements interstate and overseas in hospital, community or industry settings.

After graduating, you must complete 1,824 hours (about one year full-time) of supervised practice to be eligible for general registration as a pharmacist.

Professional recognition

This course is accredited by the Australian Pharmacy Council.

Graduates are eligible to apply for provisional registration as a pharmacist with the Pharmacy Board of Australia.

Careers

- Pharmacist
- Pharmacologist

Industries

- Clinical pharmacy
- Community care
- Hospital
- Retail pharmacy
- Government
- Research

“Curtin's Pharmacy program struck a balance for me with its emphasis on real-world placements and comprehensive study.

My favourite part of the course has been the workshops where we learn all the different types of medications and give advice to patients wherever possible.

All the teachers are very willing to help individual students when support is needed – learning has just been so inspiring.”

Michael Pham

Bachelor of Pharmacy (Honours)

“I love that the course offers so many opportunities to interact with patients thanks to the massage clinic and work placements.

One of the most useful skills I’ve learned is how to communicate and build a trusted relationship with clients so I can best address their individual needs.”

Ashley Teo

Bachelor of Science (Physiotherapy) (Honours)

Physiotherapy

Become a qualified physiotherapist who can provide hands-on treatment and create exercise and health management strategies.

DEGREE
Bachelor of Science (Physiotherapy) (Honours)

MINIMUM ATAR
90

PREREQUISITES
Any ATAR subject from the following list: Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology

DESIRABLE
ATAR subjects (or equivalent): Health Studies, Mathematics Applications, Physical Education Studies

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
108991C

LEARN MORE
curtin.edu/bach-phyth

Overview

In this course, you’ll learn how to prevent, treat and manage physical injuries and assist people of all ages with musculo-skeletal and/or chronic health conditions.

Your first year is interprofessional, gaining the skills to work as part of a healthcare team, while learning about the physical, structural and physiological aspects of human form and movement.

You’ll then study musculoskeletal, cardiopulmonary, cardiorespiratory and neurological sciences; and gerontology, paediatrics, gender health issues and pain management.

Throughout the course, you’ll learn how to select the best treatment option by analysing the research evidence and the individual’s perspective and health environment.

You’ll become proficient in treating acute and chronic conditions and disabilities, providing hands-on treatment, prescriptive exercise and lifestyle advice.

The development of essential ‘soft’ skills is also a part of your learning. These include empathic listening to help accurately diagnose an issue, problem-solving to address clinical obstacles, and reflective practice to critically analyse evidence and monitor the effectiveness of your management strategies.

You’ll develop your practical skills in laboratory classes and complete 1,100 hours in supervised placements in hospitals and community settings, including in rural and remote locations.

In your third and fourth years, you’ll become part of a peer research group that will work to complete (and potentially publish) a small research study under staff supervision.

You’ll graduate with an integrated honours-level qualification, ready to embark on a career as a physiotherapist or continue your studies as a researcher in a field of physiotherapy.

Professional recognition

This course is accredited by the Australian Physiotherapy Council.

Graduates can apply for professional registration with the Physiotherapy Board of Australia.

Careers

- Physiotherapist
- Physiotherapy researcher

Industries

- Hospitals and healthcare
- Community practice
- Education
- Government
- Aged care
- Rehabilitation
- Sport and recreation
- Research

Psychology

Discover how the human mind thinks and why we behave as we do.

DEGREE
Bachelor of Psychology

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Mathematics Applications, Physics, Psychology

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
041070B

LEARN MORE
curtin.edu/bach-psych

Overview

In this course, you will learn about perception, cognition, emotion, personality, behaviour and interpersonal relationships; and how psychologists examine, explain and predict what people do as individuals and in groups.

In your first year, you’ll study interprofessional course units with students from other disciplines.

Throughout your second year you’ll further your knowledge in learning, motivation, perception, child development and social psychology.

In your third year, you’ll prepare a research proposal and develop advanced knowledge in abnormal psychology, adult development, community psychology, cognition, cross-cultural psychology, Indigenous psychology and individual differences.

Your fourth year includes a full-year research project and you’ll develop skills in program evaluation, psychological assessment and counselling.

Due to accreditation requirements, you must attain a minimum credit average in your second- and third-year core psychology units to continue into fourth year. If you don’t meet this requirement, you’ll graduate at the end of your third year with the intermediate award, Bachelor of Science (Psychology).

High-achieving students may be offered a place in our honours program. (Note that places are limited and competitive.)

Double degrees

See pages 134–135 for double degrees with Psychology.

Professional recognition

This course is accredited by the Australian Psychology Accreditation Council.

On graduation from the fourth year of the program, you can apply for an associate membership of the Australian Psychological Society.

For full general registration with the Psychology Board of Australia, you must complete an additional two years of training. This training can be completed via one of two pathways: an accredited one-year master program and one-year internship as a provisionally registered psychologist, followed by the National Psychology Exam; or an accredited two-year master program.

Careers

With further study:

- Registered psychologist
- Endorsed psychologist

Industries

- Healthcare
- Education
- Government
- Community and non-profit
- Sport and recreation

“I’ve always been passionate about mental health and psychology. I’ve loved learning the theories behind human behaviours and exploring how the human mind functions.

Once I‘ve finished my degree, I’d like to complete a Master in Psychology and eventually work as a clinical psychologist.”

Alexandra Nelson

Bachelor of Psychology

Psychology and Human Resource Management

Use your knowledge in psychology to help resolve issues in the workplace, recruit and engage employees and improve individual and team performance.

DEGREE
Bachelor of Science (Psychology and Human Resource Management)

GUARANTEED ATAR
70

PREREQUISITES
None

DESIRABLE
ATAR subjects (or equivalent): Mathematics Applications

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
080702G

LEARN MORE
curtin.edu/bach-psychrm

Overview

This course provides a good basis in the scientific discipline of psychology alongside applications in human resource management professions.

You will gain highly marketable knowledge and skills that will enable you to engage with a range of managers, professionals and consultants.

You'll graduate with the skills to work in human resource management, health and community services, employment and training, welfare agencies and development.

You'll also be prepared to pursue graduate studies in either professional application or research.

To become a registered psychologist after graduating from this course, you must complete an adidtional year of psychology study and two years of skills-based training.

Professional recognition

This course is accredited by the Australian Human Resources Institute (AHRI) and the Australian Psychology Accreditation Council.

Graduates can apply for professional membership of AHRI.

Careers

- Human resources consultant
- Recruitment consultant
- Public relations consultant

With further study:
- Registered psychologist
- Endorsed psychologist

Industries

- Healthcare
- Education
- Government
- Health marketing and promotion

"The community within the social work degree makes it special. Spending hours with like-minded people who constantly support each other is really motivating.

I have been able to develop an array of skills allowing me to be confident in an area like counselling and in a project development role.

This level of diversity and transferable skills obtained within my degree has made me feel prepared to move into my professional career in either counselling or mental health intervention development."

Jarra Kittow

Bachelor of Social Work (Honours)

Social Work

Develop the comprehensive skills to help individuals and groups and promote positive relationships, equality, human rights and social change.

DEGREE
Bachelor of Social Work

MINIMUM ATAR
70

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
068620K

LEARN MORE
curtin.edu/bach-scwk

Overview

In this course, you will gain the skills to work with individuals, groups and communities to address barriers that impact quality of life; promote positive relationships; and advocate for human rights and social change at the societal, individual, policy and legislative levels.

You'll study in-depth human behaviour and complex social processes; and draw on knowledge from various disciplines – including sociology, psychology, politics, philosophy, health and economics – to learn how people engage with each other, their communities and society.

Throughout your studies, you'll develop the skills and values needed to counsel individuals and groups; and to work with children, young people, adults, the elderly, and people from diverse ethnic and cultural backgrounds.

You'll complete two supervised fieldwork placements (totalling 1,050 hours over four years), applying your learning in work environments and developing your professional identity.

Professional recognition

This course is accredited by the Australian Association of Social Workers.

Careers

- Social worker
- Community cultural development officer
- Community liaison officer
- Support/outreach officer
- Mental health worker
- Welfare case worker

Industries

- Healthcare
- Aged care
- Community corrections and juvenile justice
- Disability and rehabilitation
- Refugee services

Speech Pathology

Learn how to diagnose and treat people with communication, speech, swallowing and feeding difficulties.

DEGREE
Bachelor of Science (Speech Pathology) (Honours)

MINIMUM ATAR
80

PREREQUISITES
Any ATAR subject from the following list: Biology, Chemistry, Earth and Environmental Science, Human Biology, Integrated Science, Physics, Psychology

DESIRABLE
ATAR subjects (or equivalent): Mathematics Applications

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
0100583

LEARN MORE
curtin.edu/bach-speech

Overview

Speech pathologists work with a diversity of people and communication challenges. They may provide feeding advice to the parents of a baby born with a cleft palate, help a child with a stutter to speak more fluently, and help an adult who has had a stroke or a brain injury to regain their communication skills.

In this course, you will gain an understanding of typical and acquired communication development, swallowing disorders and clinical practice in speech pathology.

In your first year, you'll study interprofessional course units with students from other disciplines.

You will then focus on the science and anatomy of speech and language, and ways to assess, manage and prevent functional impairment.

You'll complete supervised placements in Curtin's on-campus clinics and in various community settings, to apply your learning and develop practical skills. In your final year you'll manage a research project.

Graduating with an honours degree, you'll have the expertise to launch your career as a highly-trained speech pathologist.

Professional recognition

This course is accredited by Speech Pathology Australia.

Careers

- Speech pathologist

Industries

- Education and training
- Healthcare
- Public administration and safety
- Social assistance

Information technology and computing

Pursue a future-focused career in technology. Learn how to program computers, administer networks and protect computers and systems from hackers. Discover how to create design software and multimedia, develop computer games and use AI in real-world situations.

Depending on your course, during your studies you may be able to transfer to study at one of our overseas campuses or partner institutions.

Courses

- **Computer Systems and Networking**
- **Computing**
- **Data Science**
- **Information and Communication Technology**
- **Information Technology**
- **Software Development**
- **Software Systems Engineering**

See also

- **Animation and Game Design** (page 49)
- **Business Information Systems** (page 61)
- **Digital and Social Media** (page 37)
- **Digital Experience and Interaction Design** (page 50)

TRENDS TO WATCH

- The immersive internet
- Cyber resilience
- 6G
- AI home robots
- Extended reality

Computer Systems and Networking

Expand computer system capabilities and learn how to build the networks of the future.

DEGREE
Bachelor of Technology (Computer Systems and Networking)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Mathematics Methods, Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Malaysia

CRICOS CODE
041280C

LEARN MORE
curtin.edu/bach-compsysnet

[1] Perth intake shown.

Overview

Computer systems and network administrators are responsible for the configuration and reliable operation of computer networks, which form the backbone of modern information systems.

This course will give you the knowledge and skills for careers in the many rapidly expanding areas of computer systems and networking. It integrates current developments in wired and wireless networking and provides a comprehensive view of the industry.

You will learn about computer network design and development technologies, focusing on the design and support of distributed computer and telecommunications networks.

You'll develop skills in network design and management, and the convergence of computer hardware, embedded systems, IT, technical support, real-time systems, software and telecommunications.

You'll also learn about the Internet of Things (IoT) – a network of devices connected to the internet on a global scale. The IoT is expanding rapidly, and it is critical for professionals to understand how the IoT works and how to harness its power to improve business. This course will give you the skills to apply technical knowledge across IoT-related functions in industry.

You'll also complete certification-based training with IT leaders. You'll graduate with the expertise to expand the capabilities of existing networks and build new ones.

Double degrees

See pages 134-135 for double degrees with Computer Systems and Networking.

Professional recognition

This course is accredited in Australia and internationally by Engineers Australia.

Careers

- Industrial network engineer
- IT professional
- Network and system administrator
- Systems designer
- Telecommunications manager

Industries

- Finance and insurance
- Government
- Mining and production operational technology
- Professional, scientific and technical services
- Public administration and safety

Computing

Match your computer career aspirations with options in computer science, cyber security and software engineering.

DEGREE
Bachelor of Computing

GUARANTEED ATAR
80

PREREQUISITES
ATAR subjects (or equivalent):
Computer Science and **Cyber Security** majors: Mathematics Methods
Software Engineering major: Mathematics Applications

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION[2]
Perth, Dubai, Malaysia, Singapore, Sri Lanka

CRICOS CODE
0100817

LEARN MORE
curtin.edu/bach-comp

[1] Perth intake shown.
[2] Not all majors are offered at all locations.

DEGREE
Bachelor of Advanced Science (Computing) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Methods

DESIRABLE
None

STAT
Not accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-comp

Overview

This course will give you high-level knowledge of computer systems and processes involved in software development and maintenance.

It covers aspects of modern computing, commencing with fundamental programming and theoretical knowledge; and followed by a specialisation in computer science, cyber security or software engineering.

You'll use C and Java as the tools for learning core concepts such as object orientation and algorithms. Linux skills are taught throughout the course, starting with the basics and progressing to advanced topics.

Curtin collaborates with industry partners to optimise course content and provide final-year placement opportunities to suitable students.

If you perform well in your first year of the Bachelor of Computing you can apply to transfer to the Bachelor of Advanced Science in Computing. (Note that applicants are interviewed and entry is not automatic.)

Computer Science

This major provides in-depth knowledge of software design, algorithm analysis, artificial intelligence, computer communications, databases and graphics.

You will gain the skills required to build operating systems and design new programming languages. Being mathematically based, Computer Science has a strong emphasis on logic and reasoning.

Cyber Security

This major focuses on the key concepts and challenges in data protection and computer software security.

You will examine both the high-level and low-level practical aspects of computer security. High-level aspects include cryptography theory, data access policy development and security program management. Low-level aspects include computer forensics, network intrusion detection and incident handling.

In this major you'll learn how to identify and implement appropriate applications for specific scenarios. You'll also gain an understanding of issues related to the protection of individual rights.

Software Engineering

This major focuses on the software development lifecycle, but goes beyond programming to evaluate and meet customer needs and design and test software.

You'll develop design techniques and project management skills to solve real-world problems and build reliable, efficient large-scale software systems.

Professional recognition

This course is accredited by the Australian Computer Society.

Careers

- Computer programmer
- IT professional
- Computer security professional
- Software engineer/developer

Industries

- Applications and software development
- Game design and development
- Cyber security
- IT analysis

Data Science

Find the key to innovation, by analysing big data to predict future trends and inform industry decisions.

DEGREE
Bachelor of Science (Data Science)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Singapore

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-datsc

DEGREE
Bachelor of Advanced Science (Data Science) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-datasci

Overview

Data scientists collate and analyse large volumes of data and communicate their findings to a range of audiences. Their ability to use big data to predict future trends is becoming an essential part of decision-making in business and government.

Data sets are being generated at an unprecedented rate and data availability will continue to increase. Every industry is using large volumes of data – from predicting weather patterns and optimising harvesting in agriculture, to improving patient diagnosis in the health industry and enhancing the management of remote infrastructure in mining.

As a multidisciplinary science, data science combines studies in computing, emerging internet technologies, media and statistics. You will gain a foundation in programming and statistics, which will form the basis of higher-level studies in data mining, data security and computer simulation.

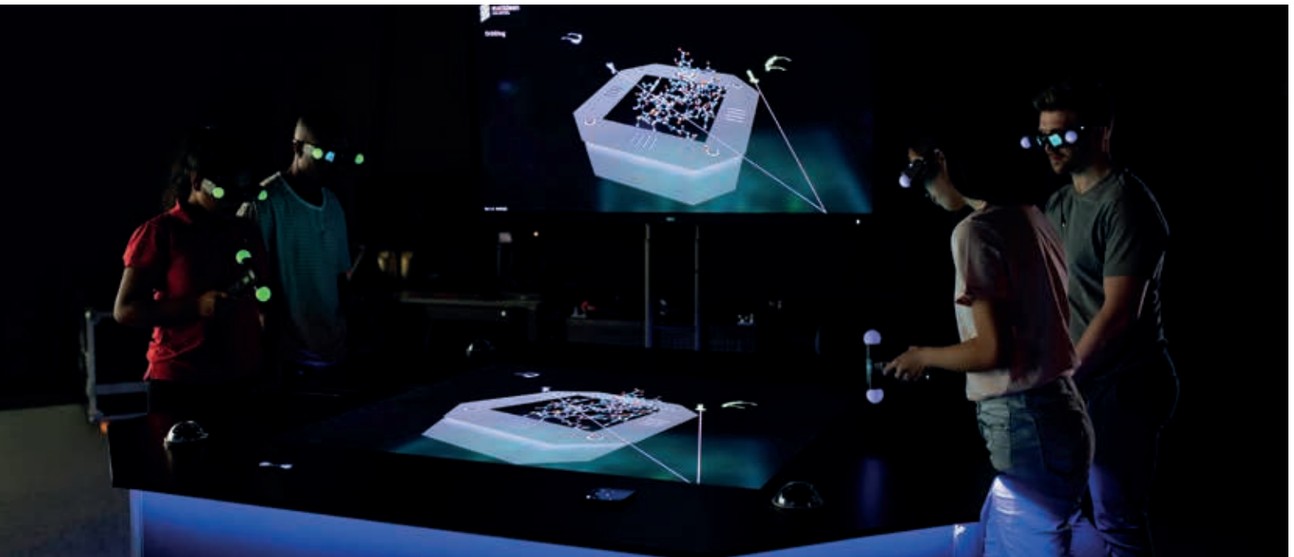
Throughout the course you'll build your capacity to extract, analyse and visualise large volumes of data and communicate analytical outcomes to various audiences. You'll graduate equipped to enter a range of industries where data science is key to innovation.

Careers

- Data analyst
- Data scientist
- Financial analyst
- Econometrician
- Bioinformatician

Industries

- Technology
- Business
- Government
- Mining and resources
- Agriculture and environment
- Economics, banking and finance
- Transport and supply-chain logistics
- Geographic information science
- Media and communication
- Health
- Arts



Information and Communication Technology

Gain the advanced knowledge and skills to problem-solve issues in computers and computer networks.

DEGREE
Bachelor of Science (Information and Communication Technology)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-ict

Overview

Professionals with ICT skills that complement a particular career discipline are increasingly beneficial to many industry and government sectors.

In this course you will learn how modern computer systems connect, operate and are programmed. You'll learn the setup and maintenance of wired and wireless networks, the configuration and hardening of networked computers, and general programming.

You'll gain the expertise to improve the efficiency of computer networks and solve network issues – particularly those relevant to small and medium enterprises (SMEs) – and the automation and process control that underpin Internet of Things (IoT) innovations.

The skills you'll gain are ideal for SMEs that require agile professional staff with discipline expertise and network support skills. Combining this course with a strong industry-related discipline will give you the expertise to customise networks and develop proprietary industry and organisational systems.

Specialisations that best complement this major are Artificial Intelligence and Internet of Things.

Double degrees

See pages 134–135 for double degrees with Information and Communication Technology.

Careers

- ICT specialist
- Computer programmer
- Computer education
- Database design
- IoT engineer
- IT language development
- Network technician
- Software engineer/developer

Industries

- Applications and software development
- Business and finance
- Cybersecurity
- Education
- Network engineering

Information Technology

This course covers fundamental programming and security skills of modern computing and computer networks.

DEGREE
Bachelor of Information Technology

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Methods

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE[1]
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth, Singapore, Sri Lanka

CRICOS CODE
0100818

LEARN MORE
curtin.edu/bach-infotech

[1] Perth intake shown.

Overview

This course will prepare you for careers in high-demand areas of computing. It covers fundamental programming and security skills of modern computing and computer networks, specialising in various aspects of distributed computing.

Throughout your studies you will develop a sound knowledge of computer systems and processes involved in software development and maintenance.

You'll use Python as a tool for learning network and other programming. Linux skills are taught throughout the course, starting with the basics and progressing to advanced topics.

To ensure that you graduate with career-ready expertise, Curtin collaborates with industry partners both to optimise course content and provide final-year placement opportunities.

If you perform well in your first year of studies, you can apply to transfer to the Bachelor of Computing; if you perform exceptionally well, you can apply to transfer to the Bachelor of Advanced Science in Computing. If your application is successful, full credits will be transferred to your new course.

Double degrees

See pages 134-135 for double degrees with Information Technology.

Professional recognition

This course is accredited by the Australian Computer Society.

Careers

- Computer programmer
- IT professional
- Computer security professional
- Software engineer/developer

Industries

- Applications and software development
- Cyber security
- IT analysis

Software Development

Develop advanced knowledge and skills in software development for agile careers in industries ranging from agriculture to entertainment.

DEGREE
Bachelor of Science
(Software Development)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Applications

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

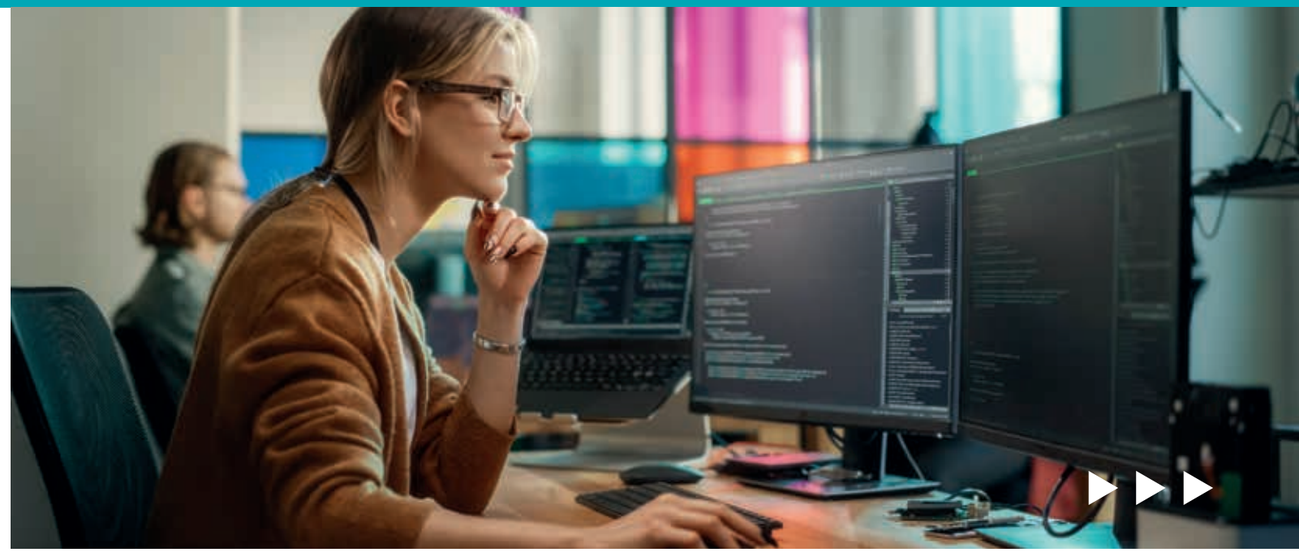
CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-softdev

Overview

Computing skills enhance employability in many areas of science, especially in the vast majority of industries and organisations that rely on efficient and secure computer systems.

In this course you will learn the core components required to develop complex computer applications for small-to-medium enterprises (SMEs) in particular. You'll learn about programming, algorithms, and the entire development cycle – from gathering requirements to testing.



You'll also learn about application development for the Apple device ecosystem. Your learning will be informed by knowledge at the forefront of software development in general.

The skills you'll gain in this course are ideal for positions in SMEs where programming is valuable as a complementary science expertise. Combining this course with a strong industry-related discipline will give you the skills to customise or develop proprietary systems and software for that industry.

For example, if you add a major in Agriculture Science, you'll have the expertise to contribute to the development of digital systems required for modern agriculture.

Or, if you choose to major in Chemistry, your combined skill sets will be ideal for an organisation seeking a computational chemist and for roles requiring both chemistry and computing skills.

Careers

- Application developer
- Software engineer and developer
- Game developer
- Cloud consultant
- Data scientist
- IT language development
- Geographical information system developer
- Programmer
- Software engineer
- Science educator
- Database designer

Industries

- Applications and software development
- Entertainment and gaming
- Business and commerce
- Information technology
- Education
- Finance
- Transport
- Cybersecurity
- Health informatics

Software Systems Engineering

Gain the expertise to engineer novel computer-based systems and enjoy a career at the forefront of the software systems evolution.

DEGREE
Bachelor of Engineering (Honours)
(Software Systems Engineering)

LEARN MORE
curtin.edu/beh-sften

See page 78 for Engineering and online at **curtin.edu/beh-engr**

Overview

Software engineers create the computer-based systems that underpin the function of devices, machines and operations used in everyday life and across diverse industries. These range from mobile apps to electric vehicles, medical robotics and warehouse logistics.

In this major you will learn the principles of software systems design, measurement and analysis, to develop software-based systems.

You'll use current and emerging technologies to develop and communicate engineering solutions to complex problems.

You'll also gain a strong foundation in the related disciplines of computer science and electrical and computer engineering, with emphasis on topics relevant to software requirements, design, implementation, industrial and embedded systems and software testing.

In your final year you'll apply your learning to a significant research project, using systems-thinking to devise an innovative solution to a software systems engineering challenge.

Throughout your studies, you'll develop technical communication, interpersonal, teamwork and time-management skills.

You'll also explore the professional responsibilities of a software engineer – including operational security, social and ethical aspects.

Professional recognition

Software Systems Engineering is a recently established course seeking provisional accreditation.

Careers

- Software engineer
- Software developer
- Systems architect

Industries

- Agriculture
- Banking and finance
- Gaming
- Health
- Manufacturing
- Research and development
- Retail
- Telecommunications
- Transport

Law

If you study Law at Curtin, you'll be learning in the heart of Perth's CBD, close to the Federal Court, Supreme Court, District Court and Perth Magistrates Court – which helps you to quickly become familiar with the culture and ethics of legal practice in Western Australia.

And at Curtin, we encourage you to be a changemaker in the once-traditional field of law, and to consider both sides of a legal challenge before choosing to stand for one.

Course

Law

See also

Commerce (page 56)

Innovation (page 58)

TRENDS TO WATCH

- AI-powered legal research
- VR recreated crime and accident scenes
- Case outcome predictive analytics
- Blockchain-powered smart contracts
- eDiscovery software

Law

An undergraduate degree in law is the first qualification you need to commence a career in legal practice.

DEGREE
Bachelor of Laws

GUARANTEED ATAR
90

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth then Perth city

CRICOS CODE
077962B

LEARN MORE
curtin.edu/bach-laws

Overview

Give legal advice, perform legal work and appear in court as a legal practitioner. An undergraduate degree in law is the first qualification you need to practise as a lawyer in Australia.

Curtin's Bachelor of Laws offers a rich and professionally relevant foundation in legal knowledge. You'll learn core skills essential to effective legal practice and build a strong commercial awareness. From early on in your studies, you'll start to recognise the importance of respecting the rule of law along with the responsibilities and ethics of legal practice.

You can also choose from optional units that focus on topics such as forensic advocacy, employment law, family law, law and technology, human rights law and native title law and policy. This range of optional units enables you to tailor your degree to your interests.

You'll complete most of your course at Curtin Law School in the heart of Perth's legal precinct. You can gain practical experience by undertaking simulated legal proceedings in our high-tech moot court, working on real cases at the John Curtin Law Clinic, and participating in our Legal Internships Program.

The first year of this course is delivered in semesters at Curtin Perth, with the second and third years delivered in trimesters at Curtin Law School in Perth city. This accelerated format enables you to complete the equivalent study load of a four-year degree, in just three years of full-time study.

Legal Internships Program

Through the Legal Internships Program, you can experience working in a legal environment such as a court, law firm or community legal centre, with an organisation's in-house legal team or with a barrister. These experiences will develop your practical legal skills and help you identify the area of law in which you'd like to practise. Curtin Law School has developed relationships with a range of organisations to offer legal internship placements to our students through this optional unit.

Double degrees

See pages 134-135 for double degrees with Law.

Professional recognition

Curtin University provides you with a complete pathway to legal practice. If you go on to complete a Graduate Diploma in Legal Practice after completing your Bachelor of Laws, you will satisfy the academic and practical legal training requirements to qualify for admission to the legal profession in Western Australia.

Careers

- Barrister
- Criminal lawyer
- Employment lawyer
- Family lawyer
- Human rights lawyer
- In-house counsel
- Mining lawyer
- Solicitor

Industries

- Law
- Private legal practice
- Courts and tribunals
- Banking and finance
- Government
- Resources

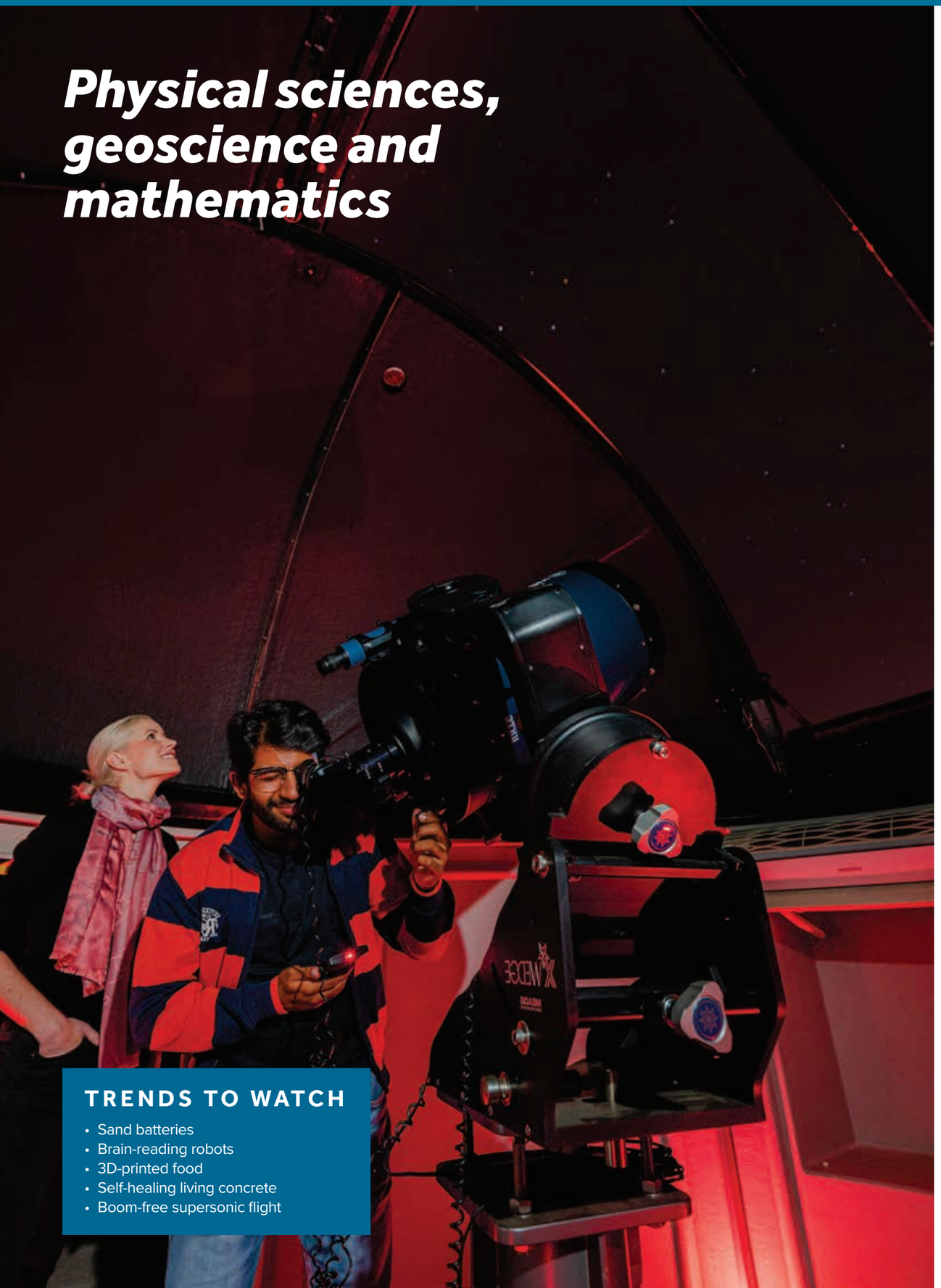
Practical Legal Training

Our Practical Legal Training (PLT) course is a graduate diploma designed for Curtin Bachelor of Laws graduates who intend to apply for admission to the legal profession in Western Australia.

Approved by the Legal Practice Board of Western Australia, this is the first specialised PLT program to be delivered by a WA university.

For more information, visit **curtin.edu/gd-lawlp**.

Physical sciences, geoscience and mathematics



TRENDS TO WATCH

- Sand batteries
- Brain-reading robots
- 3D-printed food
- Self-healing living concrete
- Boom-free supersonic flight

Science and mathematics are at the heart of technology and innovation. At Curtin, you can develop expertise in areas such as biochemistry, data science, industrial modelling or physics, and apply your learning to the real world.

You'll graduate ready for opportunities to work in environments where research and discovery abound.

Courses

Advanced Science

Applied Geology

Biochemistry

Chemistry

Earth Sciences

Financial Mathematics (Advanced)

Industrial and Applied Mathematics (Advanced)

Mathematics

Molecular Genetics

Multidisciplinary Science

Physics

See also

Actuarial Science (page 54)

Data Science (page 116)

Environmental Science (page 25)

Food Science (page 26)

Innovation (page 58)

Advanced Science

Become a highly skilled STEM leader, applying your specialist knowledge to globally significant situations.

DEGREE
Bachelor of Advanced Science (Honours)

GUARANTEED ATAR
95

PREREQUISITES
Each major has specific prerequisite ATAR subjects

DESIRABLES
Each major has specific desirable ATAR subjects

STAT
Each major has specific STAT requirements

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/bach-advsci

Overview

In this course you can better tailor your study to suit your specific interests in science. You'll have access to world-class research groups, work-integrated learning, industry engagement, student-led projects, and accelerated learning pathways.

You'll gain core science knowledge in your discipline and have the choice of elective units that align with your passions.

You can also benefit from interdisciplinary units that are unique to the course and through engaging with like-minded, high-achieving peers.

From your second year you'll build your expertise through career-relevant learning opportunities – giving you the practical skills that employers look for in graduates.

You'll undertake applied, full-year internal and external research activities, and, in your final year, you'll conduct a self-directed honours project that adds to the scientific knowledge of your field.

This course is unique in Western Australia in that you'll also study scientific professional practice, entrepreneurship, communication and leadership – skills that enable agile and innovative responses to changing industry and employment circumstances.

Available majors

- Agricultural Science
- Chemistry
- Coastal and Marine Science
- Computing
- Data Science
- Earth Sciences
- Environmental Science
- Financial Mathematics
- Industrial and Applied Mathematics
- Molecular Genetics
- Physics

“I’ve always enjoyed working in mining and would love to understand how different ore bodies work.

The work experience I’ve completed has been very useful, giving me hands-on experience and helping me to better understand the different course work. After I graduate, I hope to become an underground mine geologist and then progress to a more senior role in the industry.”

Rikki-Jayne Edwards

Bachelor of Applied Geology

Applied Geology

Learn about Earth’s fascinating geological processes that affect the environment, climate and resources.

DEGREE

Bachelor of Applied Geology

GUARANTEED ATAR

70

PREREQUISITES

ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE

None

STAT

Accepted

PORTFOLIO ENTRY

Accepted

INTAKE[1]

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION[2]

Perth, Malaysia

CRICOS CODE

108986M

LEARN MORE

curtin.edu/bach-appgeo

[1] Perth intake shown.

Overview

Geology is the study of the Earth and its resources, and of the natural planetary processes that directly affect people. These processes include the formation of mineral and energy resources, geological hazards, climate change, and environmental protection and management.

In this course you will gain a thorough grounding in theoretical geology with emphasis on mineral, energy and groundwater resources and their environmental management, as well as the sustainable supply of resources for the decarbonising industry.

In your first year, you’ll gain a foundation in geology, chemistry, maths, scientific communication and computer skills. Your second year focuses on the theoretical, laboratory and field skills required to understand geological processes.

In your third and final year, you can study the Applied Geology stream or the Mining Geology stream, and tailor your degree with units that emphasise specific applied aspects of geoscience.

Applied Geology

This stream is offered at Curtin Perth and Curtin Malaysia. It covers the breadth of applied geosciences, including mineral and energy exploration and extraction techniques, groundwater resources and environmental geosciences.

Mining Geology

This stream combines studies of resource and field geology with mining systems, resource estimation and process mineralogy.

Double degrees

See pages 134–135 for double degrees with Applied Geology.

Professional recognition

Graduates are eligible to apply for membership of the Australasian Institute of Mining and Metallurgy, the Australian Institute of Geoscientists and/or the Geological Society of Australia.

Careers

- Geologist
- Engineering geologist
- Environmental geoscientist
- Geochemist
- Hydrogeologist

Industries

- Environmental geology
- Carbon and hydrogen storage
- Radioactive waste storage
- Groundwater extraction
- Mineral and petroleum exploration
- Mining
- Natural hazards and risk analysis
- Research and development

Biochemistry

From forensic science to clinical research, a biochemistry degree can lead to a range of fascinating career paths.

DEGREE

Bachelor of Science (Biochemistry)

GUARANTEED ATAR

70

PREREQUISITES

ATAR subjects (or equivalent): Chemistry, Mathematics Applications

DESIRABLE

ATAR subjects (or equivalent): Biology, Human Biology, Mathematics Methods

STAT

To demonstrate English proficiency only

PORTFOLIO ENTRY

Not accepted

INTAKE

Semester 1, semester 2

STUDY MODES

Full-time, part-time

DURATION

3 years full-time

LOCATION

Perth

CRICOS CODE

061600D

LEARN MORE

curtin.edu/bach-bioch

Overview

Biochemists study the molecular structures and processes that form the foundation for living matter.

In this major you will study the core principles of chemistry, molecular structure and chemical reactivity, and how they are applied to biological molecules.

You’ll study second-year and third-year units in biological, medicinal and natural product chemistry; plus complementary units in cell biology, molecular biology and molecular genetics.

You’ll investigate molecular systems that regulate cell growth, including signalling and defence, and related metabolic pathways.

You’ll also study molecular recognition and its applications in biosensors, drug design and optimisation, and in monitoring the effects that exogenous compounds can have on living systems.

You can specialise in either Chemistry or Environmental Biology.

Chemistry

In this specialisation you’ll study advanced aspects of chemical science. You’ll use complex equipment and procedures to understand the science that underpins biochemistry; and make, analyse and monitor chemicals in the environment.

Environmental Biology

Environmental scientists are needed to understand ecological functions and apply this knowledge to solve issues related to land degradation, urban and regional development, impacts of resources extraction and processing, biodiversity loss and pollution.

In this specialisation you’ll develop skills in experimental design, statistics, critical thinking and communication, gaining the expertise to undertake environmental research and apply it to real-world challenges.

Professional recognition

This course with the Chemistry specialisation is accredited by the Royal Australian Chemical Institute (RACI).

Careers

- Biochemist
- Biotechnologist
- Forensic scientist
- Medicinal scientist

Industries

- Agriculture
- Biotechnology
- Healthcare

Chemistry

Experience science at a molecular level, where major advances are made in medicine, clean energy, forensic science and materials.

DEGREE
Bachelor of Science (Chemistry)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Chemistry, Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Biology, Mathematics Methods, Mathematics Specialist, Physics

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-chemi

DEGREE
Bachelor of Advanced Science (Chemistry) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Chemistry, Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent): Mathematics Specialist, Physics

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-chem

Overview

Chemistry is referred to as the ‘central science’, because it connects other sciences such as physics, biology and geology. It is science at a molecular level, where major advances are occurring in many areas – including in medicine, nanotechnology, sensors and environmental chemistry.

In this course, you will gain the knowledge to become a skilled chemist. Much of your learning will be laboratory-based, at Curtin’s Resources and Chemistry Precinct.

You’ll study theoretical and practical aspects of chemistry, including synthesis, analysis and spectroscopy. You’ll also learn problem-solving, teamwork and critical analysis skills, which can open opportunities for other careers in science.

You’ll specialise in one of three areas:

Analytical and Forensic Chemistry

In this specialisation, you’ll learn how to use sophisticated scientific instruments to solve complex analytical problems in forensic and environmental chemistry. You’ll also develop decision-making skills within the ethical and professional context of analytical and forensic science.

Medicinal and Biological Chemistry

In this crossover field of chemistry you’ll study the essential processes of life at the molecular level. You’ll use complex equipment and procedures to understand the biomolecular world, explore applications in biosensors and drug design, and monitor the effects that new substances have on living organisms.

Chemistry of Sustainable Development

This specialisation focuses on the chemical processes used in local industries. It highlights how chemistry is an integral science to developing solutions to sustainability in areas such as water, energy, industry and the environment.

Double degrees

See pages 134–135 for double degrees with Chemistry.

Professional recognition

This course is accredited by the Royal Australian Chemical Institute (RACI).

Careers

- Analytical chemist
- Environmental chemist
- Forensic scientist
- Industrial chemist
- Materials scientist
- Medicinal chemist
- Synthetic chemist

Industries

- Environment
- Forensics
- Health
- Resources
- Defence

Earth Sciences

Gain the expertise for a career in industries involved in energy transitions, sustainable use of Earth resources, and climate and environmental solutions.

DEGREE
Bachelor of Science (Earth Sciences)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Applications

DESIRABLE
ATAR subjects (or equivalent): Earth and Environmental Science

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-earth

DEGREE
Bachelor of Advanced Science (Earth Sciences) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent): Chemistry, Earth and Environmental Science

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-earthsci

Overview

Earth scientists are essential to meeting society’s future challenges around climate and environmental change, sustainable extraction of critical resources such as water, and minerals for new and emerging technologies.

Across a range of industries, Earth scientists use sophisticated instruments to determine the properties of Earth and planetary materials, and to help understand the evolution of the Earth and the controls and direction of its climate and biosphere.

In this course you will gain advanced knowledge in Earth sciences and learn how to apply that knowledge to scientific, social and ethical issues. You’ll also use digital technologies and learn to gather and interpret data that are relevant to Earth sciences applications and careers.

Careers

- Earth scientist
- Environmental geoscientist
- Hydrogeologist
- Geochemist
- Geologist
- Geotechnician

Industries

- Mining and resources
- Environmental agencies
- Research
- Geological surveys

Financial Mathematics

Learn the analytical and mathematical skills useful for a career in financial operations.

DEGREE
Bachelor of Advanced Science (Financial Mathematics) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Specialist

DESIRABLES
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/bach-finmath

Overview

This course will help you develop a broad range of analytical and mathematical skills, with particular relevance to statistical modelling and operations research in finance.

It also offers you a flexible, personalised approach to studying financial mathematics, exploring the field through for-credit immersive research experiences, industry placement and/or interdisciplinary team-based projects.

You'll receive a strong grounding in corporate finance, financial institutions, financial markets and branches of the financial services industry, which will enhance your career prospects in the technological, industrial and commercial sectors.

You may select from units in accounting, economics and business. In your capstone unit you'll have the opportunity to pursue mathematics projects ranging from pure research through to translational (entrepreneurial) science.

Professional recognition

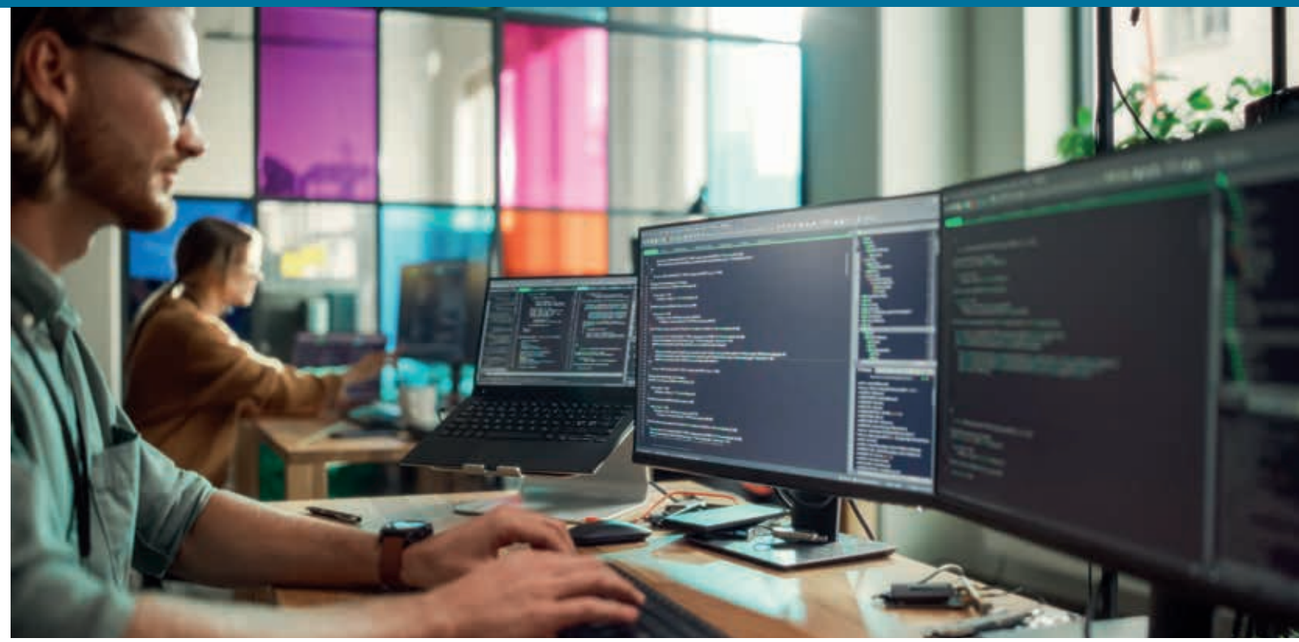
Graduates may be eligible for membership of the Australian Mathematical Society and the Operations Research Society of Australia.

Careers

- Commercial banker
- Finance/funds manager
- Financial analyst
- Financial planner
- Stockbroker
- Superannuation manager

Industries

- Banking and finance
- Econometrics
- Education
- Government
- Insurance
- Investment banking
- Risk management



Industrial and Applied Mathematics

Gain advanced, industry-relevant mathematics skills applicable to diverse STEM careers and applications, from industrial modelling to finance.

DEGREE
Bachelor of Advanced Science (Industrial and Applied Mathematics) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Specialist ATAR

DESIRABLE
None

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/bach-adindmath

Overview

This course includes studies in advanced calculus and linear algebra that provide foundation knowledge and units in modelling and optimisation, network design and analysis, logistics, supply chain networks, transportation networks, computational mathematics, statistics and probability.

Through project-based units, elective units and diverse skills workshops, you will be able to tailor your studies to your career goals.

In your final year, your capstone experience will give you the opportunity to pursue mathematics projects ranging from pure research through to translational (entrepreneurial) science.

Upon graduating, you'll be well-equipped to address issues and improve the efficiency of business and industry.

Professional recognition

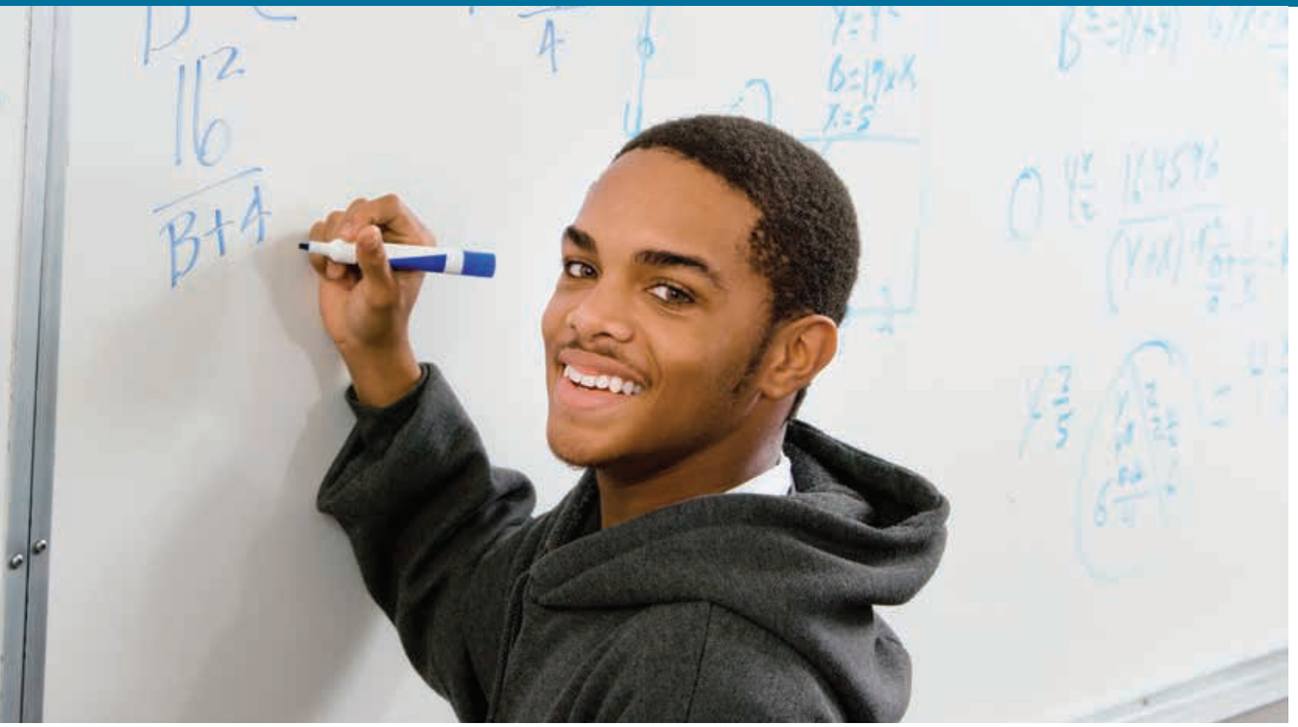
Graduates may be eligible for membership of the Australian Mathematical Society and the Operations Research Society of Australia.

Careers

- Data analyst
- Industrial engineer
- Information technologist
- Logistician
- Statistical analyst
- Supply chain manager

Industries

- Engineering
- Government
- Logistics and supply chain networks
- Risk management



Mathematics

Learn how to apply mathematical concepts – such as quantity, structure, space and change – to model and describe the behaviour of complex systems and improve their operations.

DEGREE
Bachelor of Science (Mathematics)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent):
Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent):
Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-math

Overview

In this course, you will explore the realm of mathematics and become prepared for an engaging career in optimisation, financial mathematics or industrial mathematics.

You'll learn how to apply mathematical and statistical principles across operations research, statistics, numerical analysis, and applied mathematical modelling. With those skills, you'll use mathematics to tackle real-world challenges, and apply creative thinking to find innovative solutions to complex problems.

Throughout your studies, you'll learn to locate and evaluate evidence and scientific literature, leveraging modern technologies to gather data and communicate insights relating to mathematical science.

After completing this course, you'll graduate ready to contribute to real-world endeavours in science, engineering, industry and commerce.

Careers

- Data analyst
- Information technologist
- Logistician
- Statistical analyst
- Supply-chain management
- Financial analyst
- Fraud analyst
- Biostatistician
- Criminologist
- Communications specialist
- Cryptologist
- Market researcher
- Medical researcher
- Meteorologist
- Operations research analyst

Industries

- Business and commerce
- Banking and finance
- Security
- Defence
- Transport
- Information technology
- Research and development
- Government

Molecular Genetics

Molecular genetics is a rapidly expanding area that is contributing to solutions for human, animal and plant diseases, environmental degradation, food security, biosecurity and other global challenges.

DEGREE
Bachelor of Advanced Science (Molecular Genetics) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent):
Chemistry, Mathematics Methods

DESIRABLE
ATAR subjects (or equivalent):
Biology, Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/bach-advmgen

Overview

In this course you will gain the deep knowledge of genetic processes and bioinformatics for careers and research related to human, animal and plant health, environmental health and food security.

Genetics is a rapidly growing science discipline that now underpins diverse jobs related to biology. For example, around the world, governments are investing in genetics research to improve food supply, which is increasingly reliant on genetically modifying the production of plants and animals.

Environmental DNA (eDNA) is another growth area, where trace amounts of DNA in the environment are contributing to better estimates of biodiversity in terrestrial and marine environments. And ancient DNA is being extracted from fossils to understand the evolution of life and the impacts of ancient climate and ecosystem change.

In the field of disease diagnosis, DNA 'chips' can detect the expression of thousands of genes, enabling rapid diagnosis of multiple diseases in a single test. Before long, individuals will be able to access their own DNA sequence and learn their propensity to develop particular diseases.

The course offers a flexible approach to studying genetics, allowing you to explore the field through for-credit immersive research experiences, industry placement and interdisciplinary team-based projects.

You'll also gain practical experience programming in R and Python and through exposure to data science professionals.

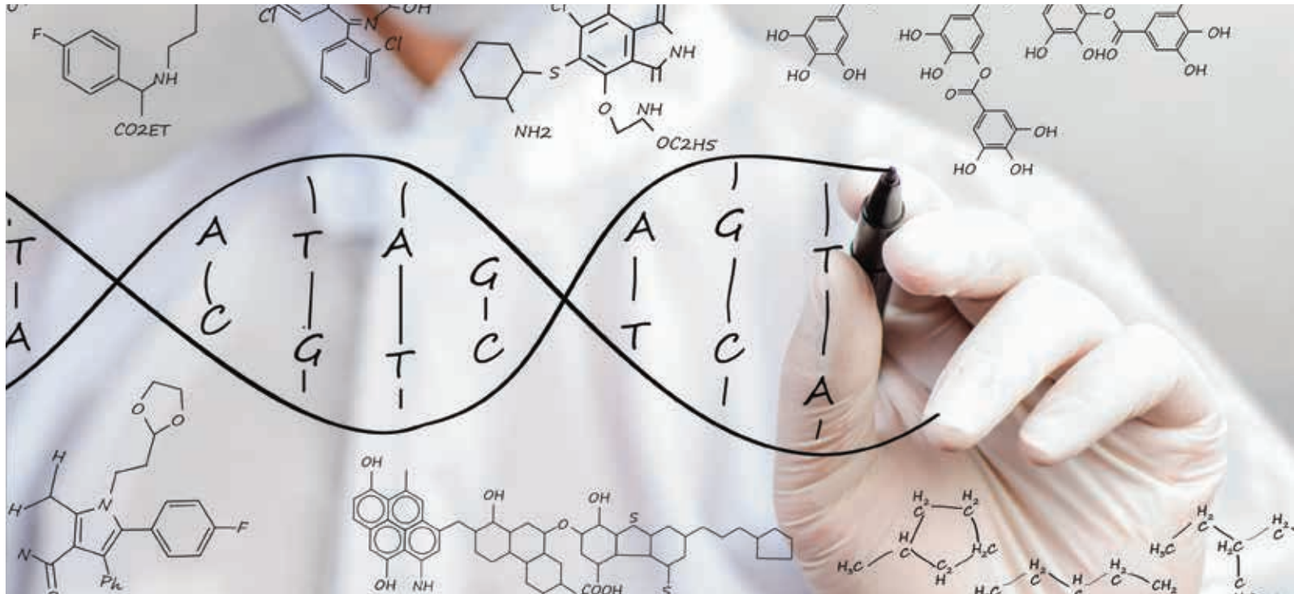
In your second and third years you can source internships and immersive work experience for course credit. In your final year, you'll complete a capstone project in genetics, which can range from pure research through to translational (entrepreneurial) science.

Careers

- Agricultural and food scientist
- Bioinformatician
- Biotechnologist
- Ecologist
- Plant and animal geneticist

Industries

- Agriculture and agribusiness
- Environment and sustainability
- Food security
- Medical and healthcare
- Research and development



Multidisciplinary Science

Gain the expertise of multiple science disciplines that are increasingly important for addressing environmental and industry issues.

DEGREE
Bachelor of Multidisciplinary Science

MINIMUM ATAR
70

PREREQUISITES
None

DESIRABLE
None

STAT
Accepted

PORTFOLIO ENTRY
Accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
108988J

LEARN MORE
curtin.edu/bach-mtdsc

Overview

The application of science to real-world problems is increasingly multidisciplinary in nature. In many areas of scientific endeavour, no one science discipline is sufficient to deliver advances and innovation. This is reflected in multidisciplinary fields such as astronomy, biochemistry, bioinformatics, environmental science, forensic science and nanotechnology.

In this course you will learn to apply scientific principles and concepts to real-world problems that are multidisciplinary in nature.

You'll also learn the communication, creative, entrepreneurial and cultural awareness skills that are important in collaborative careers across industry and government.

You'll have a choice of studying one of four majors: Computational Sciences, Earth and Environmental Sciences, Engineering Science or Physical Sciences.

Computational Sciences

In this major you will study various aspects of modern computing. You'll learn fundamental programming and Linux skills; and further explore computational disciplines such as programming, mathematics and data science.

Earth and Environmental Sciences

Earth scientists are essential to resources and environmental industries and use sophisticated techniques for the analysis of earth and planetary materials. Environmental scientists apply their expertise in physical and biological sciences to generate innovative and sustainable solutions to environmental issues.

In this major you will study Earth dynamics and its relationships with environmental science. You'll gain the skill sets for careers involved in monitoring the impacts of industrial, urban, mining and agricultural development; measuring and analysing pollutants; and developing conservation and management plans.

Engineering Science

This major explores the role of an engineer and teaches you the fundamental principles of various engineering fields, giving you a pathway to your preferred engineering career. Once you have completed your course, you'll have the theoretical knowledge and practical, problem-solving skills to devise solutions for complex engineering challenges in society.

Physical Sciences

In this major you'll study fundamental aspects of physics, astronomy, chemistry and mathematics; and how these are drawn together to tackle emerging scientific challenges.

Physics and astronomy use the four known forces to explain relationships among the smallest through to the largest structures, while chemistry explores the properties and behaviour of matter.

All of these fields are underpinned by mathematics as a framework for explaining observations and predicting outcomes.

Multidisciplinary Science as a pathway

If you haven't studied science before or you don't meet the prerequisites for our Science and STEM majors, Multidisciplinary Science can give you a pathway into a range of courses – including Computing, Engineering, Actuarial Science and Surveying.

Alternatively, after you graduate you may choose to study for an honours degree in Science or Engineering or a master degree in Education.

Physics

Reach for the stars, by gaining advanced knowledge of matter and energy and specialising in applied physics, astrophysics, materials science or mathematical physics.

DEGREE
Bachelor of Science (Physics)

GUARANTEED ATAR
70

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Methods, Physics

DESIRABLE
ATAR subjects (or equivalent): Chemistry, Mathematics Specialist

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1, semester 2

STUDY MODES
Full-time, part-time

DURATION
3 years full-time

LOCATION
Perth

CRICOS CODE
061600D

LEARN MORE
curtin.edu/bach-physi

DEGREE
Bachelor of Advanced Science (Physics) (Honours)

GUARANTEED ATAR
95

PREREQUISITES
ATAR subjects (or equivalent): Mathematics Methods, Mathematics Specialist, Physics

DESIRABLE
ATAR subjects (or equivalent): Chemistry

STAT
To demonstrate English proficiency only

PORTFOLIO ENTRY
Not accepted

INTAKE
Semester 1

STUDY MODES
Full-time, part-time

DURATION
4 years full-time

LOCATION
Perth

CRICOS CODE
095949E

LEARN MORE
curtin.edu/badvsci-phys

Overview

From the kinetic energy of a car to nuclear fusion energy, from nearby stars to distant galaxies, physicists examine matter and energy in all their forms.

In this course you will study real-world problems through observation, measurement and theoretical analysis. You'll learn the core concepts of physics and gain experience using complex technical equipment.

You can specialise in one of four areas:

Applied Physics

In this specialisation you will study matter and energy in the Earth's natural and managed environments: the atmosphere, oceans, rivers, land, soils and living organisms.

You'll study contemporary topics such as the development of energy-saving 'green' materials and the disposal of radioactive wastes. During field excursions, you'll learn how to deploy instruments and undertake field and satellite data analysis.

In addition, you could undertake applied acoustics with Curtin's Centre for Marine Science and Technology and applied underwater optics with Curtin's Remote Sensing and Satellite Research Group.

Astrophysics

This specialisation is suitable for students who are interested in radio astronomy. You will grapple with scientific questions ranging from the origins of the Universe to the nature of dark matter.

Curtin's major involvement in the International Centre for Radio Astronomy Research and the Square Kilometre Array will give you the chance to analyse data from cutting-edge radio telescopes.

Materials Science

This specialisation looks for connections between the underlying structure of a material, its properties and applications, and changes due to processing.

You will study materials including metals, semiconductors, glasses, ceramics and polymers. You'll also learn about analytical instruments and radiation used to investigate the microstructure of samples.

Mathematical Physics

Mathematical physics is the study of nature through mathematical models and computation using the latest supercomputers. You will study physics from very small scales, using quantum mechanics, to the very big, utilising Einstein's theory of general relativity.

Double degrees

See pages 134–135 for double degrees with Physics.

Professional recognition

This course is accredited by the Australian Institute of Physics (AIP). Graduates are eligible for AIP professional membership.

Careers

- Astrophysicist
- Computational physicist
- Environmental physicist
- Materials analyst
- Meteorologist
- Medical physicist
- Satellite remote-sensing scientist
- Data analyst
- Financial analyst

Industries

- Astronomy
- Defence
- Software development
- Environmental consultancy
- Manufacturing
- Education

Double degrees

Here are the different combinations available in a double degree.

Double degrees	Qualifications	Degree 1: majors available	Degree 2: majors available
Arts and Commerce	Bachelor of Arts, Bachelor of Commerce	• Anthropology and Sociology • Chinese • Creative Writing • Digital and Social Media • Geography • History • International Relations • Japanese • Journalism • English and Cultural Studies • Professional Writing and Publishing • Screen Arts • Theatre Arts	• Accounting • Economics • Finance • International Business • Marketing • Tourism and Hospitality
Health Promotion, and Health and Safety	Bachelor of Science (Health Promotion), Bachelor of Science (Health and Safety)	NA	NA
Nutrition and Health Promotion	Bachelor of Science (Nutrition), Bachelor of Science (Health Promotion)	NA	NA
Psychology, and Human Resource Management and Industrial Relations	Bachelor of Science (Psychology), Bachelor of Commerce (Human Resource Management and Industrial Relations)	NA	NA
Psychology and Marketing	Bachelor of Science (Psychology), Bachelor of Commerce (Marketing)	NA	NA
Chemical Engineering and Chemistry	Bachelor of Engineering (Honours) (Chemical Engineering), Bachelor of Science (Chemistry)	NA	NA
Chemical Engineering and Extractive Metallurgy	Bachelor of Engineering (Honours) (Chemical Engineering), Bachelor of Science (Extractive Metallurgy)	NA	NA
Civil and Construction Engineering and Mining	Bachelor of Engineering (Honours) (Civil and Construction Engineering), Bachelor of Science (Mining)	NA	NA
Electrical and Electronic Engineering and Computer Science	Bachelor of Engineering (Honours) (Electrical and Electronic Engineering), Bachelor of Science (Computer Science)	NA	NA
Electrical and Electronic Engineering and Data Science	Bachelor of Engineering (Honours) (Electrical and Electronic Engineering), Bachelor of Science (Data Science)	NA	NA
Electrical and Electronic Engineering and Physics	Bachelor of Engineering (Honours) (Electrical and Electronic Engineering), Bachelor of Science (Physics)	NA	NA
Engineering and Commerce	Bachelor of Engineering (Honours), Bachelor of Commerce	• Chemical Engineering • Civil and Construction Engineering • Electrical and Computer Engineering • Mechanical Engineering • Metallurgical Engineering • Mining Engineering	• Accounting • Economics • Finance • Management
Mechatronic Engineering and Computer Science	Bachelor of Engineering (Honours) (Mechatronic Engineering), Bachelor of Science (Computer Science)	NA	NA
Computer Systems and Networking, and Information Technology	Bachelor of Technology (Computer Systems and Networking), Bachelor of Information Technology	NA	NA
Geology and Environmental Biology	Bachelor of Applied Geology, Bachelor of Science (Environmental Biology)	NA	NA
Geology and Finance	Bachelor of Applied Geology, Bachelor of Commerce (Finance)	NA	NA
Science and Arts	Bachelor of Science, Bachelor of Arts	• Chemistry • Coastal and Marine Science • Data Science • Environmental Science • Mathematics • Physics	• Anthropology and Sociology • Chinese • Digital and Social Media • Geography • International Relations • Japanese • Professional Writing and Publishing
Science and Commerce	Bachelor of Science, Bachelor of Commerce	• Chemistry • Coastal and Marine Science • Data Science • Environmental Biology • Mathematics • Physics	• Economics • Finance
Science and Innovation	Bachelor of Science, Bachelor of Innovation	• Agricultural Science • Biochemistry • Chemistry • Coastal and Marine Science • Data Science • Earth Sciences • Environmental Science • Food Science • Information and Communication Technology • Mathematics • Physics • Software Development	NA
Law and Arts	Bachelor of Laws, Bachelor of Arts	NA	• International Relations • Journalism
Law and Commerce	Bachelor of Laws, Bachelor of Commerce	NA	• Accounting • Economics • Finance • Human Resource Management • Marketing • Taxation
Law and Innovation	Bachelor of Laws, Bachelor of Innovation	NA	NA
Law and Psychology	Bachelor of Laws, Bachelor of Science (Psychology)	NA	NA
Law and Science	Bachelor of Laws, Bachelor of Science	NA	• Data Science • Earth Sciences • Environmental Science • Information and Communication Technology

Pathway entry

We offer multiple ways to get into Curtin, not just through an ATAR – including entry pathways that cater for school students who are studying General subjects or a VET certificate, and for people who have relevant work experience.

Portfolio entry

Portfolio entry is a pathway for high school students taking General subjects or studying a combination of ATAR and General subjects and/or VET qualifications. It's also suitable if you finished school without an ATAR and have work experience instead.

The portfolio entry pathway offers entry into selected business, health, science and humanities courses. Each course in this guide shows whether portfolio entry is accepted.

Academic requirements

- WACE
- At least one ATAR subject, or a Vocational Education and Training (VET) qualification
- An overall year 12 achievement across four subjects equivalent to a C average
- Meet Curtin's English language requirements. General English grade A is accepted.

Portfolio requirements

Your application will comprise a portfolio of documents that showcase your academic achievements, qualifications, work experience, extracurricular activities and suitability for tertiary study.

Include a cover letter, résumé, letter of support, academic documents and records of extracurricular activities, like part-time work, volunteering, Duke of Edinburgh's award or elite sporting achievements.

If you're in year 12, apply for portfolio entry through TISC. All other applicants will apply directly to Curtin.

To find out more, visit **curtin.edu/portfolio-entry**.

VET entry

This pathway is for those who have attained an RTO Vocational Education and Training (VET) Certificate 4 or higher. You may have studied your VET qualification at high school or TAFE, through a private education provider or online.

A VET Certificate 4 enables entry to most Curtin courses that have a guaranteed or minimum ATAR of 70. You must also meet Curtin's English language requirements.

A VET Diploma or Higher Diploma enables entry to courses with an ATAR of 70 and above, and you may receive credit for recognised learning. Both qualifications automatically meet Curtin's English language requirements.

If you're in year 12, apply for VET entry through TISC. All other applicants will apply directly to Curtin.

To find out more, visit **curtin.edu/pathways/tafe-vet**.

Enabling courses

UniReady

This is an excellent option if you did not study ATAR subjects or complete high school. UniReady is a one-semester course you can complete on-campus or online, to help you qualify for entry to courses that have a guaranteed ATAR of 70. Your school may also offer the UniReady course (UniReady in Schools) in year 12. When you complete UniReady, you'll automatically meet Curtin's English language requirements.

UniReady offers a pathway to health, science or engineering courses that have higher-level entry requirements. For example, after completing UniReady, you could commence studying multidisciplinary science or health sciences and then apply to switch to your preferred course after you complete the required units. To find out more, visit **curtin.edu.au/uniready**.

Indigenous enabling courses

These courses are designed for future students of Aboriginal and Torres Strait Islander descent, with the Centre for Aboriginal Studies providing a culturally supportive environment for study. To find out more, visit **curtin.edu/karda-enable**.

Prerequisite pathways

English language requirements

If you are studying ATAR but don't gain a scaled score of 50 in an English ATAR subject, you can take the STAT Written English (WE) test or another Curtin-approved English test.

When your ATAR results are released, TISC will invite you to sit the STAT WE test before the second round of offers. If you achieve a score of 140 or higher, you'll have met Curtin's English language requirement and you'll be considered for your preferred course in the second round of offers.

If you will be studying at Curtin on a student visa and you don't meet our English language requirements, you can complete a course at Curtin English before studying for your degree. You can apply for both courses together and package them on your student visa.

To find out more about Curtin's English language requirements, visit **curtin.edu/english-requirements**.

Subject prerequisites

If you're missing a subject prerequisite for your preferred health, science or engineering course, start a Curtin pathway degree course (such as multidisciplinary science or health sciences) and switch to your preferred course when you have completed the units that provide the subject prerequisite.

To see all the ways you can gain entry to your preferred Curtin course, visit **curtin.edu/pathways**.

Find your pathway

Here are the common entry pathways available to non-ATAR domestic students – see which one is right for you.

Low or no ATAR

My ATAR is lower than 70 or I don't have an ATAR.

Portfolio entry
You can apply for admission to some Curtin courses by submitting a portfolio of work that demonstrates your achievements, qualifications and abilities.

or

UniReady Enabling Program
This six-month course will qualify you for admission to various Curtin courses.

or

Curtin College diploma
A one- or two-year Curtin College diploma will prepare you for direct admission into the second year of various Curtin courses.

or

StepUp Entry
If your ATAR is between 60 and 69.95 and you meet the eligibility criteria, you may be considered for admission into Curtin courses that have a guaranteed ATAR of 70.

or

VET/TAFE pathways
Complete a Certificate 4 and satisfy the English requirement to study a Curtin course with an ATAR of 70, or complete a TAFE or higher diploma to gain entry and credits (pre-approved) towards your Curtin course.

My exam results were affected by factors beyond my control.

Special consideration
If circumstances beyond your control have affected your ability to study or sit exams, you can apply for special consideration to gain 1–5 additional points to your ATAR.

Missing prerequisites

My scaled score in mathematics or science prerequisites is below 50.

Multidisciplinary Science
If you meet the criteria for the Bachelor of Multidisciplinary Science course, you can use it as a pathway into various science and engineering courses.

or

Health Sciences
If you meet the criteria for the Bachelor of Health Sciences course, you can use it as a pathway to courses such as speech pathology, pharmacy, physiotherapy and occupational therapy.

Low or no English ATAR

My scaled score in ATAR English is below 50, or I studied General English or I don't have an English qualification.

Special Tertiary Admissions Test (STAT)
If you attempted English ATAR in year 12 and achieved a scaled mark below 50, you may be invited to sit the STAT for Written English.

If you completed General English, contact Curtin Connect for permission to sit the STAT.

or

Other English tests
You can meet the English language requirements through other recognised tests. Find out more at **curtin.edu/english-requirements**.

or

Enabling programs
Completing one of our enabling programs allows you to meet Curtin's English requirements.

or

General English
If you have a grade A in General English then you have met our English language requirements for portfolio entry.

First Nations enabling courses
In addition to the above pathways, if you are of Aboriginal or Torres Strait Islander descent, you can complete an enabling course in our Centre for Aboriginal Studies to gain the entry requirements you need. To find out more, visit **curtin.edu/karda-enable**.

How to apply

Applying to Curtin is easy, whether you are applying as an ATAR entry student or a Pathway entry student.

1. Find a course

Find your course in the guide or at **curtin.edu/study**.

2. Check the admission criteria to see what you need

GENERAL

ATAR: A minimum or guaranteed ATAR for your chosen course.

PATHWAY: Check your preferred course offers a pathway entry. Most courses with an ATAR of 70 are available.

PREREQUISITES

ATAR: A scaled score of at least 50 in all prerequisite ATAR subjects.

PATHWAY: Depending on the course, you may need to have completed certain subjects at high school or a tertiary institution, or taken specific units in our Enabling programs.

ENGLISH

ATAR: A scaled score of at least 50 in English ATAR or English as an Additional Language/Dialect ATAR; or a score of 140 in STAT Written English.

PATHWAY: A grade A in General English (portfolio entry only), or English ATAR, or a score of 140 in STAT Written English, or you have completed one of our Enabling courses.

ATAR and PATHWAY: You can meet English proficiency through other recognised tests. For more information visit curtin.edu.au/study/applying/english-language-requirements.

OTHER CRITERIA

Some courses have additional requirements, like the submission of an art portfolio.

3. Apply online

Year 12s: Apply online through TISC.

Visit: tisc.edu.au.

All other applicants: Apply to Curtin directly.

Go to the relevant course page, click Apply Now and follow the prompts.

For more information on applying to Curtin, visit **curtin.edu/apply**.

Applying to Curtin if you have a disability

If you have a disability or health condition, there are support services and resources to help you succeed in your studies.

Finding a suitable course

The Australian Disability Clearinghouse on Education and Training has assistance for exploring your course options, from NDIS plans and financial considerations, to choosing a course. Remember to check for inherent course requirements before you apply. To find out more, visit **curtin.edu/inherent-requirements**.

Accessing Curtin's disability services

Once you have chosen your course, make an appointment with us to discuss your requirements. We will help you create a Curtin Access Plan, which is a document that outlines the adjustments you need to study the course. You can also apply to bring your support worker onto campus.

Other disability supports include provisions for assistive technologies, tailored library services and a mentoring program for students with an autism spectrum or related condition. To find out more, visit **curtin.edu/access-ability**.

Coming to campus

Curtin offers wheelchair-accessible routes, courtesy bays and ACROD parking. Subject to availability, we also provide mobility scooters and manual wheelchairs for short-term loan. To find out more, visit **curtin.edu/access-and-parking**.

We're here to help

If you have any questions about admission, our team can help you.

Tel: 1300 222 888

FAQs: **future.connect.curtin.edu.au**.

Web: **curtin.edu.au/study**.

Managing your finances

Before you start your course, consider the financial implications, find out how much it will cost and look at ways to manage your budget.

Tuition fees

You will need to pay tuition fees for each unit you undertake at Curtin. The amount you pay will depend on the course you are studying, the units you enrol in and whether you are a domestic or international student.

Curtin offers Commonwealth-supported undergraduate places to students who are Australian citizens, New Zealand citizens, Australian permanent residents, and Australian permanent humanitarian visa holders.

A Commonwealth-supported place is a subsidised higher education enrolment. The Australian Government subsidises these student places by paying part of your tuition fees directly to Curtin. The subsidy amount is not a loan and you do not have to pay back the subsidy amount. You only pay the remainder of the fee, known as the student contribution amount for each unit in which you are enrolled.

Our fees and charges web page shows the required student contribution for every unit.

To apply for a Commonwealth-supported place, you must submit an electronic Commonwealth Assistance Form (eCAF) with a valid tax file number to Curtin before the due date.

You will also need to provide Curtin with your Unique Student Identifier (USI). The USI is a requirement for all new students. Applying for a USI is fast and free, and you keep the same USI for life. Apply at **usi.gov.au**.

As a Commonwealth-supported student, you have the option of paying your student contribution fee by the study period due date or deferring your payment via the HELP loan scheme.

For more information, visit **curtin.edu/course-fees**.

HECS-HELP

HECS-HELP is a government loan scheme that allows you to defer payment of your student contribution amount until you start earning an annual salary above the compulsory repayment threshold.[1]

Once your salary exceeds the threshold, you will begin repaying your loan as a percentage of your wage to the Australian Tax Office.

HECS-HELP is available to all eligible students enrolled in a Commonwealth-supported place who do not have a low completion rate against their course. It takes effect involuntarily if you have provided Curtin with your tax file number and unique student identifier (USI), and if you don't pay your student contribution up-front by the study period due date.

To find out more, visit **studyassist.gov.au/help-loans**.

[1] International students are not eligible for Commonwealth-supported places.

Student Services and Amenities Fee

The Student Services and Amenities Fee (SSAF) is a fee that universities and other approved higher education providers may charge for student services and amenities of a non-academic nature, such as sporting and recreational activities, employment and career advice, child care, financial advice and food services. If you are eligible, you may choose to defer all or part of your fee for the relevant year through a HELP loan scheme, SA-HELP. For more information, visit **curtin.edu/ssaf**.

SA-HELP

Similar to HECS-HELP, SA-HELP is a loan scheme, which helps you pay for all or part of your Student Services Amenities Fee, provided you are an Australian citizen, permanent humanitarian visa holder, or eligible New Zealand special category visa holder.

If you use SA-HELP, the amount will be added to your accumulated HELP debt. You may opt to access the SA-HELP loan even if you don't wish to access any of the other available HELP loan schemes. For more information, visit **studyassist.gov.au/help-loans/sa-help**.

Other expenses

Tuition fees do not cover the cost of some items required for studying a particular unit or course. Examples of these items include but are not limited to:

- art supplies
- field trips
- first aid courses
- lab coats
- textbooks
- Working With Children Check.

You may also incur day-to-day study-related expenses, such as transport and parking costs.

Centrelink

Centrelink may provide financial assistance to students who are Australian residents, studying full-time and meet other specific criteria. Applications are assessed on an individual basis. For more information, visit **servicesaustralia.gov.au/centrelink**.

Curtin Student Guild

The Guild provides comprehensive education, welfare and social services to members. If you become a full Guild member, you can benefit from numerous discounts both on and off campus. In conjunction with the Curtin Bookshop, the Guild offers a number of bookshop grants to students in financial hardship. The Guild also offers tax and budgeting advice. For more information, visit **guild.curtin.edu.au/advice/financial**.

Elite athletes

Elite athletes may be eligible for funding support via:

- Elite Athlete Grants, which are awarded annually to student athletes in the Elite Athlete Program who display sound academic results while competing in their respective sports
- subsidies to assist student athletes in representing Curtin at the Australian University 'Nationals', World University Games/ Championships and other events
- free Curtin Stadium gym memberships.

For more information, visit: **curtin.edu/elite-athletes**.

Scholarships

Scholarships offer financial, academic and career support, giving you more opportunities to gain new skills, expand your horizons and add to your portfolio of achievements.

Curtin provides scholarships that reward academic achievement and provide support if your socio-economic, cultural, geographic or personal circumstances may affect your capacity to succeed at university.

Scholarships are not loans – the money is given to you provided you fulfil key requirements such as academic performance, work experience or volunteer commitments.

Eligibility criteria

Scholarships are open to students who are:

- from low-income backgrounds
- from Aboriginal and Torres Strait Islander backgrounds
- high achievers
- from regional areas
- studying specific courses.

Each scholarship has specific eligibility criteria, application procedures and closing dates, so check these early.

Scholarship details

For information about each scholarship, visit **scholarships.curtin.edu.au**. Here, you'll find:

- up-to-date information and eligibility criteria for available scholarships
- tips for writing a good scholarship application
- a sign-up email alert service that alerts you when a scholarship matching your selection criteria is open for applications. You will also receive a reminder email one week before applications close.

Getting to Curtin Perth

Curtin Perth is just six kilometres from the city centre. There are several easy, safe, affordable and environmentally friendly ways to get to and around campus.

Parking

Use our smartphone parking app, CelloPark, to pay for the time you park on campus. Download CelloPark from the App Store or Google Play.

Transperth buses

More than 500 buses stop at Curtin each weekday during semester. Curtin has two main bus terminals: Curtin Bus Station, on the east side of campus, and the Curtin Central Bus station, on the north-west side of campus.

Two high-frequency bus routes – 100 and 101 – connect Curtin with the Canning Bridge train station. Routes 998 and 999 connect Curtin with Oats Street train station.

The CircleRoute buses, which run between Perth's universities, train stations and shopping centres, leave every 15 minutes between 6.30am and 8pm.

Transperth travel concessions are available for full-time students.

Curtin shuttle buses

We provide a free hail-and-ride bus service for students living in Waterford, Bentley, Victoria Park and South Perth. The Curtin Access Bus Service (CABS) runs during semester on weekdays. Download the CABS smartphone app for live GPS tracking, route mapping and access to timetables.

Trains

Mandurah line

Many Perth–Mandurah trains stop at the Canning Bridge train station, where you can catch a connecting Transperth bus to Curtin. Buses run every seven or eight minutes during peak times.

Armadale line

Many Perth–Armadale trains stop at Oats Street train station, where you can catch a connecting Transperth bus to Curtin.

Cycling

Around campus, you'll find numerous bicycle racks and several secure bike pods, with showers available at some bicycle enclosures. Contact Curtin Security for a swipe card that provides facility access.

Find your way with our online maps

Online, mobile-friendly maps of Curtin Perth and Curtin Kalgoorlie will ensure you'll never get lost at uni.

▶ ▶ ▶ Visit **curtin.edu/maps**.

Course index

Curtin University

For more information

Curtin University
Kent St, Bentley
Western Australia 6102

Postal Address
GPO Box U1987
Perth Western Australia 6845

Tel: 1300 222 888
Web: **curtin.edu/study**

Join the conversation!

facebook.com/curtinuniversity

@curtinuniversity

@curtinuniversity

youtube.com/curtinuniversity

CRICOS Provider Code 00301J

Printed in Australia by Advance Press.

5654UM

curtin.edu.au