



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**



# International Undergraduate Course Guide 2021–22

GET CAREER-READY WITH A UWA DEGREE

**Seek Wisdom**

# Welcome to our community

Welcome to The University of Western Australia (UWA), where you'll join our accomplished graduates in becoming global professionals who drive change to shape the future.

At UWA, we prepare our graduates to improve the lives of others. With the world – and the skills you need to succeed in it – changing all the time, our distinctive, experience-rich curriculum and outstanding learning experience will give you the knowledge and the adaptability to make a positive difference in society.

We look forward to you joining our community and supporting you in shaping your future career goals.



The University of Western Australia acknowledges that its campuses are situated on Noongar land and that Noongar people remain the spiritual and cultural custodians of their land and continue to practise their values, languages, beliefs and knowledge.

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# Why students love Perth

By choosing UWA, you're not just choosing a world top 100 university<sup>1</sup>, you're choosing to live in a city of opportunity that's the perfect base for study – and a launchpad for your career.

## Growing population

- Perth is Australia's fourth-largest city and is consistently one of the fastest-growing cities in Australia
- Its population has doubled in 40 years<sup>2</sup> to 2 million
- It has a projected population of 3.5 million by 2050<sup>3</sup>
- Perth is multicultural, warm and welcoming – 37% of its population was born overseas, with people from 190 countries<sup>4</sup>

## Perth is a city of opportunity and prosperity

- WA has long been the export powerhouse of the Australian economy, producing 48% of Australia's merchandise exports in 2019-20<sup>2</sup>
- 35% of ASX-listed companies have headquarters<sup>4</sup> in Perth
- The economy sees consistently strong economic growth, above the Australian average<sup>2</sup>
- Annual incomes in Perth are 8% above the national average<sup>5</sup>

## An affordable, quality lifestyle

- Perth is a safe, friendly and welcoming city, famous for offering a quality lifestyle
- It's the sunniest capital city in Australia and in the top 10 healthiest cities in the world<sup>6,7</sup>, with more than eight hours of sunshine per day, and good to very good air quality year-round<sup>8</sup>
- Transport is easy – Perth city is less than 20 minutes from beaches and national parks
- It's officially rated as world's 14th most liveable city

## More recently, Perth has become one of the most affordable destinations for students.

- More affordable than Melbourne, Sydney or Brisbane<sup>9</sup>
- Lowest accommodation cost of any Australian capital city<sup>9</sup>

1 QS 2020

2 Western Australian Treasury Corporation, 2020

3 [perth.wa.gov.au](http://perth.wa.gov.au), 2020

4 ThinkPerth 2019

5 Australian Bureau of Statistics May 2020

6 Bureau of Meteorology

7 Spotahome Healthiest Cities Index, 2018

8 World Air Quality Index Project

9 Worldwide Cost of Living Survey 2019, Economist Intelligence Unit

### Australia's gateway to Asia

- Perth is the closest major Australian capital city to Asia
- Stay connected to home and the global economy – Perth is in the same time zone as 60% of the world's population (plus/minus 2 hours)
- Perth's proximity to Asia makes the city unique among international study destinations



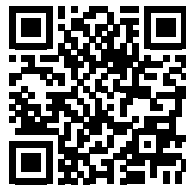
● Flight time from Perth (hours)

# A unique campus

UWA's main campus is located on the picturesque banks of the Swan River (Derbarl Yerrigan), just minutes from Perth's CBD.

Featuring expansive green spaces, cafés and shops, as well as a multitude of modern teaching and research facilities, our campus provides you with a world-class learning environment.

See the campus for yourself through our online virtual tour: [uwa.edu.au/360-campus-tour/](http://uwa.edu.au/360-campus-tour/)



## UWA Claremont

Just a few minutes from the UWA campus is the University's historic Claremont campus, which is home to the UWA Centre for English Language Teaching (UWA CELT) and Taylors College, which provides foundation courses for international students.



## UWA's Albany Centre

Located five hours' drive from Perth, the Albany Centre offers students a high-tech learning environment. Here you can experience all that regional Western Australia has to offer while studying at university.

[albany.uwa.edu.au](http://albany.uwa.edu.au)



COTTESLOE BEACH (6KM)  
10 MIN DRIVE

UWA HEALTH CAMPUS

UWA COLLEGE ROW

ENJOY THE SCENERY  
OF MATILDA BAY



**KINGS PARK (1KM)**  
15 MIN WALK

**PERTH CBD (5KM)**  
10 MIN DRIVE  
19 MIN RIDE ON BIKE PATH

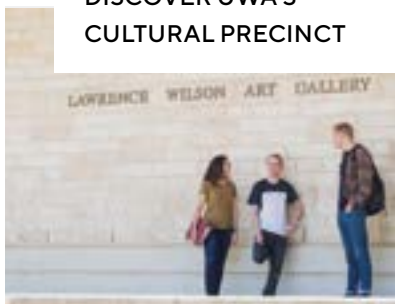
**PERTH AIRPORT (22KM)**  
30 MIN DRIVE

**ELIZABETH QUAY**

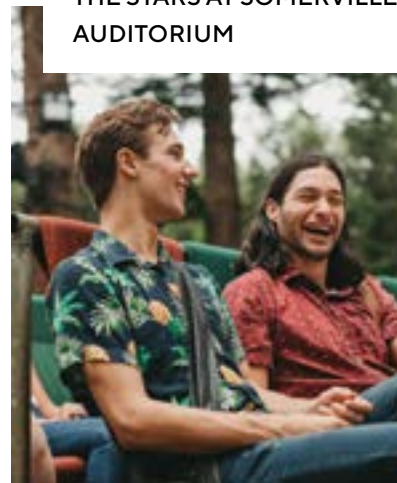
**UWA  
CAMPUS**



**DISCOVER UWA'S  
CULTURAL PRECINCT**



**WATCH A MOVIE UNDER  
THE STARS AT SOMERVILLE  
AUDITORIUM**



**RELAX IN A HERITAGE-LISTED  
GARDEN**





# Our global reputation

Study at a world top 100 university (QS 2021)

## #1 IN WA FOR GRADUATE EMPLOYABILITY

(QS GRADUATE EMPLOYABILITY RANKING 2020)

## MORE THAN 4,500 GLOBAL INDUSTRY PARTNERSHIPS

## AWARD-WINNING TEACHERS

(AUSTRALIAN AWARDS FOR UNIVERSITY TEACHING 2020)

## FIVE STARS FOR

- TEACHING QUALITY
- STUDENT DEMAND
- STUDENT TEACHER RATIO

(GOOD UNIVERSITIES GUIDE 2021)

## RANKED 85TH IN THE WORLD

(ARWU 2020)

## Ranked in the world's top 50 for

- Agriculture and Forestry
- Anatomy and Physiology
- Civil and Structural Engineering
- Earth and Marine Sciences
- Geology
- Geophysics
- Mineral and Mining Engineering
- Sports-related Subjects

(QS WUR BY SUBJECT 2020)

- 
- Agricultural Sciences
  - Biological Sciences
  - Clinical Medicine
  - Earth Sciences
  - Ecology
  - Environmental Science and Engineering
  - Human Biological Sciences
  - Marine/Ocean Engineering
  - Mining and Mineral Engineering
  - Oceanography
  - Water Resources

(ARWU 2020)







# Be part of something bigger with UWA

When you graduate from UWA, you automatically join our community of more than 130,000 graduates spanning every continent across the globe. That's a powerful network.

No matter where you go, you'll find yourself in the company of extraordinary people who will be your mentors, collaborators and friends.

Connect with and benefit from alumni who are global leaders in business, industry, government, education, research and culture.

[alumni.uwa.edu.au](http://alumni.uwa.edu.au)

“The educational background at UWA has helped me establish my career, initially as a lawyer, but has also given me the confidence to diversify into the recruitment industry in London and now Hong Kong where I am currently a managing director of a market-leading global recruitment firm. I have also kept in touch with my UWA alumni contacts internationally, some of whom have become close friends as well as clients of mine.”

**RICKY**  
MANAGING DIRECTOR  
ROBERT WALTERS (HONG KONG)

# Seek a future

# full of possibilities

As WA's only top 100 university (QS 2021), our experience-rich curriculum and global network prepare you for the ever-changing world outside your degree. Kick-start a successful career and join our accomplished graduates in becoming global professionals, driving change and shaping the future.

## Gain real-world, practical experience

We'll provide you with the environment to build technical skills and valuable connections through hands-on learning, internships, work integrated learning, volunteering for credit and more.

## Build your industry network

You'll gain industry connections even before you graduate, helping you get a headstart in your chosen industry. Connect with professionals in your field for one-on-one advice through our mentoring program, and access local, national and global networks inside and outside the classroom.

## Learn from leaders in the field

You'll work alongside world-leading academics who are passionate and engaged. Our academics are at the cutting edge of knowledge, meaning you'll be exposed to live projects and new discoveries in your field of interest ahead of others.

## Create connections for life

At UWA you join a community, not just a university, and make lifelong personal connections. With more than 140 clubs and societies to choose from, you'll enjoy an unrivalled student lifestyle and socialise with people who value the same things you do.



# Career and industry experience

As a UWA student, you'll get career advice and industry experience before you graduate. You'll also have access to a wide range of resources and services, including:

- advice from our dedicated UWA Careers and Employability Centre
- one-to-one access with a qualified Career Development Consultant
- the UWA Careers and Employability Award Program
- the Career Mentor Link Program, matching you with professionals who will share their knowledge and career experience
- help with your résumé and preparing for job interviews
- access to potential employers at our Careers and Employability fairs, workshops and seminars
- free and unlimited access to LinkedIn Learning
- industry integrated learning – our talented academics are highly engaged with industry and, as WA's top university, we have extensive networks that will add to your learning experience
- Work Integrated Learning (WIL) activities, where you'll gain workplace knowledge and skills, as well as lasting professional connections
- the McCusker Centre for Citizenship's award-winning Internship Program with not-for-profit, community and government organisations
- the chance to get your own UniMentor – or become one
- access to volunteering opportunities through the UWA Student Guild
- the opportunity to become a UWA Student Ambassador and gain a strong extracurricular activity for your résumé
- Bloom WA, a community of change-makers tackling global problems
- the IQ Academy program, where you'll gain the skills, mindset and tools to become an entrepreneur
- access to My UniHub, your one-stop-shop for career planning, opportunities, resources and more.



“My time at UWA gave me the chance to develop a wide range of skills and create diverse networks within industry. I came to UWA seeking an internationally recognised engineering degree and got so much more. Thanks to the course structure and the thriving student life, I've scored a cool job straight out of uni and met some of my closest friends.”

**NEVIN**

BACHELOR OF SCIENCE – ENGINEERING SCIENCE

## UWA Careers and Employability Award Program

Get the practical work experience and knowledge you need to become career-ready, with hands-on learning that's highly valued by employers.

[careers.uwa.edu.au/award](https://careers.uwa.edu.au/award)



# Student life

UWA is more than a university – it's your community. There are many great places to eat, drink and shop, get fit, discover incredible art, relax, study and more.

## Accommodation

Living at UWA means you can easily walk to uni, cafés and shops; you're also a short bus ride to the city and Perth's best beaches.

## Arts and culture

Our on-campus art gallery features rotating exhibitions. Explore museums and enjoy regular music concerts.

## Events

Enjoy fun social events, opportunities for industry networking, workshops and more.

## Extracurricular courses and programs

Through collaborations with industry partners, we offer a range of free leadership, entrepreneurial and other courses to expand your skill set and advance your career.

## Food and drink

Enjoy a variety of cuisines (catering for all dietary requirements) from cafés and a range of food outlets on campus and in the neighbourhood.

## Health promotion

Gain knowledge in various areas across community health and wellbeing to improve the lives of your peers.

## Internships

Gain valuable experience for your future career.

## Libraries

UWA has five libraries across campus with high-tech study facilities, resources and learning spaces.

## Spirituality and faith

UWA is a multi-faith university that supports and welcomes students with diverse cultural and spiritual backgrounds.

## Sport and fitness

Get active with our state-of-the-art gym, swimming pool, a wide range of recreational and fitness courses, social sports and more.

## Student clubs and faculty societies

With more than 140 clubs and societies, you're sure to find a perfect fit.

## UWA app

Find events on campus, connect with friends and discover all the tools to get ahead.

## Volunteering

There are opportunities to get involved on or off campus, to support a cause, organisation, charity or group.

[uwa.edu.au/study/student-life](http://uwa.edu.au/study/student-life)



# Support services

You'll have plenty of support and help when you get to UWA. Here are just a few of the services we offer.

## Academic support

One-on-one support, academic skills workshops (Study Smarter), extensive online resources and more.

## Career support

Personalised career advice, industry mentoring, online resources, networking events, workshops and more.

## Childcare services

Available for children aged six weeks to five years, plus after-school and vacation care for primary school-aged children.

## Course advice

Advice on study plans, enrolment, scholarships, studying abroad, extracurricular activities and more.

## Disability support

Perform at your academic best with support for any disability, whether a physical or mental health condition. UWA can help, no matter if your condition is ongoing, temporary or episodic.

## Getting started

Take part in orientation activities, receive mentoring from an experienced student (UniMentor) and get support from the UWA team to help you settle into uni life.

## Health and wellbeing

Confidential medical, welfare and mental health support. If you're looking for a doctor or GP, there's a Medical Centre on campus, as well as a pharmacy, counsellors, mental health nurses, psychologists, physiotherapists and more.

## International student support

Our dedicated support services will help you settle into Australia and UWA life.

## Safety

A security team is on campus 24/7 and is available to walk you to your car, bus stop or UWA accommodation after hours.

## UWA Student Guild

Run by students, for students, to make sure you have the best university experience possible.

[uwa.edu.au/students](http://uwa.edu.au/students)

# Money matters

Compared to other major cities around the world, living and studying in Perth is a smart decision for international students.

## One of Australia's most affordable capital cities

### Working in Australia as an international student

Under the terms of a student visa, once you have commenced your course as an international student, you can work up to 40 hours per fortnight while your course is in session and unlimited hours during scheduled course breaks.

[homeaffairs.gov.au](http://homeaffairs.gov.au)

### 40 per cent discount on public transport

As an international student in Perth, you receive a Western Australian Government-sponsored 40 per cent discount on all public transport. Free buses operate around the Perth CBD and, on average, public transport costs AUD\$30–\$60 per week.

### Cost of living

The annual cost of living in Perth depends on your lifestyle and the type of accommodation you choose; however, AUD\$450–\$550 per week is generally sufficient for most single students to live comfortably (this does not include tuition fees or medical cover). Consider extra funds to cover various items such as airfares and textbooks. There may also be ancillary fees applicable to your course.

[uwa.edu.au/study/student-life/cost-of-living](http://uwa.edu.au/study/student-life/cost-of-living)

Perth has become one of the most affordable destinations for students. More affordable than Melbourne, Sydney or Brisbane and the lowest accommodation cost of any Australian capital city<sup>1</sup>.

- Phone and internet: AUD\$15–\$30 per week
- Car (after purchase): AUD\$150–\$260 per week
- Entertainment: AUD\$80–\$150 per week
- Groceries and eating out: AUD\$140–\$280 per week

### Student Services and Amenities Fee (SSAF)

The UWA Student Services and Amenities Fee is a compulsory fee that directly benefits all UWA students. The fee is used to develop and provide a range of recreational facilities together with social, education and representation activities and services.

[uwa.edu.au/students/my-course/fees-and-payments/ssaf](http://uwa.edu.au/students/my-course/fees-and-payments/ssaf)

### Overseas Student Health Cover (OSHC)

The Department of Immigration and Border Protection requires international students applying for a student visa to have Overseas Student Health Cover for the entire duration of their student visa. This is not applicable to students from Norway, Sweden and Belgium, who are covered under a separate arrangement.

OSHC is offered by a number of providers. You may obtain OSHC from the provider of your choice.

[uwa.edu.au/students/campus-life/international-student-essentials/overseas-student-health-cover](http://uwa.edu.au/students/campus-life/international-student-essentials/overseas-student-health-cover)

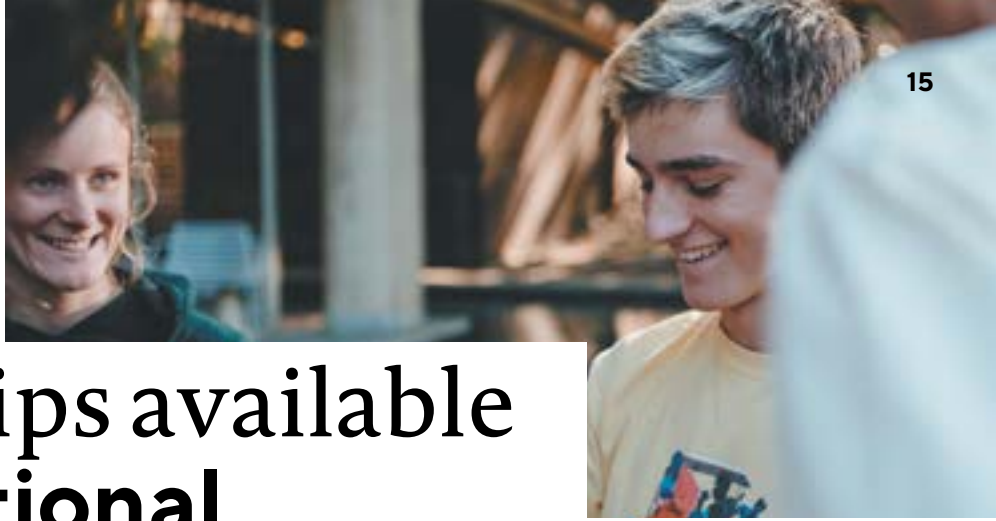
The University of Western Australia has a 'preferred provider' agreement with Allianz Global Assistance. On acceptance and payment of your offer, UWA will arrange health cover with Allianz Global Assistance for the duration of your student visa. For information on the University's agreement with Allianz Global Assistance, refer to [uwa.edu.au/students/campus-life/international-student-essentials/overseas-student-health-cover](http://uwa.edu.au/students/campus-life/international-student-essentials/overseas-student-health-cover).

Students who take the OSHC policy with UWA will automatically receive support through the Sonder App. Sonder Australia provides access to a student safety network, which can provide 24/7 in-person critical incident assistance when required.

[allianzassistancehealth.com.au/en/sonder/](http://allianzassistancehealth.com.au/en/sonder/)

Source: Education and Living Costs in Australia, Australian Government website: [studyinaustralia.gov.au/english/live-in-australia/living-costs](http://studyinaustralia.gov.au/english/live-in-australia/living-costs)

1. Worldwide Cost of Living Survey 2019, Economist Intelligence Unit



# Scholarships available to international students

We offer a range of UWA-funded and other scholarships to international students from across the globe.

You might want to consider applying for one of these, which encourage you to pursue excellence, during your time in Perth or at our regional campus in Albany.

Below are just a few of the scholarships on offer:

## UWA Global Excellence Scholarship

If you're a high-achieving student from an eligible country and you're applying for an undergraduate or postgraduate degree at UWA, you could be awarded one of our Global Excellence Scholarships. The scholarship offers an annual tuition fee discount and eligible students will be automatically offered the scholarship in their offer letter from UWA. This means you do not need to submit a separate application for this scholarship. Find out more: [uwa.edu.au/study/global-excellence-scholarship](https://uwa.edu.au/study/global-excellence-scholarship)

## UWA Global Sporting Excellence Scholarship

Got an aptitude for sports? UWA's Global Sporting Excellence Scholarship is awarded to high-performing athletes, coaches and officials who are from an eligible country and commencing a course in which this scholarship is available. Find out more: [uwa.edu.au/study/global-sporting-excellence-scholarship](https://uwa.edu.au/study/global-sporting-excellence-scholarship)

## Destination Australia Scholarships

A total of 16 scholarships valued at \$15,000 per student per year will be made available from 2021 to students who wish to study at the UWA Albany campus. The generous allocation of funds per annum provides the possibility for students to either pay for their courses up front or pay rent and living expenses – or maybe a combination of both. Find out more: [education.gov.au/destination-australia](https://education.gov.au/destination-australia)

You can find out more about our UWA-funded scholarships at [uwa.edu.au/](https://uwa.edu.au/study/international-students/fees-and-scholarships/uwa-funded-scholarships)

[study/international-students/fees-and-scholarships/uwa-funded-scholarships](https://uwa.edu.au/study/international-students/fees-and-scholarships/uwa-funded-scholarships)

Scholarship information is current at time of printing and subject to change

# Student Exchange and Study Abroad program



Explore the world without taking a gap year or time out from your degree.

**150+ STUDENT-EXCHANGE**  
PARTNER UNIVERSITIES

**30 COUNTRIES** TO EXPLORE  
ACROSS FIVE CONTINENTS

**FINANCIAL ASSISTANCE**  
AVAILABLE

**TRAVEL THE WORLD** WHILE  
YOU STUDY

ENHANCE YOUR  
**EMPLOYABILITY**

MAKE **LIFELONG FRIENDS**

INCREASE YOUR  
**INDEPENDENCE AND**  
**CONFIDENCE**

IMMERSE YOURSELF IN A  
**NEW CULTURE**

CHOOSE YOUR OWN  
**EXPERIENCE**, FROM TWO  
WEEKS TO A YEAR

[uwa.edu.au/study/global](http://uwa.edu.au/study/global)

“Words can’t explain how amazing exchange was. It was a once-in-a-lifetime opportunity and extremely rewarding to meet so many new people who will be friends for life.”

**ELLEN**

UNIVERSITY OF VERMONT  
BURLINGTON, UNITED STATES



# Our partner universities

## AUSTRIA

University of Vienna  
Vienna University of Economics  
and Business Administration

## BELGIUM

Catholic University of Leuven

## BRAZIL

Pontificia Universidade Católica  
do Paraná - PUCPR

## CANADA

Dalhousie University  
HEC Montréal  
McGill University  
McMaster University  
Queen's University  
Simon Fraser University  
University of Alberta  
University of British Columbia  
University of Calgary  
Université de Montréal  
University of Ottawa  
University of Toronto  
University of Waterloo  
Western University

## CHILE

Pontificia Universidad Católica  
de Chile

## CHINA, PEOPLE'S REPUBLIC OF

Beijing Language and  
Culture University  
Fudan University  
Nanjing University  
Peking University  
Renmin University  
Shanghai Jiao Tong University  
Tsinghua University  
University of Science and  
Technology China  
Xi'an Jiaotong University  
Zhejiang University

## DENMARK

Århus University  
Copenhagen Business School  
Technical University of Denmark  
University of Copenhagen

## FINLAND

Aalto University  
University of Helsinki

## FRANCE

Burgundy School of Business  
ESSEC Business School  
Grenoble Alpes University  
Jean Moulin University Lyon 3  
Sciences Po Grenoble  
Sciences Po Lille  
Sciences Po Paris  
New Sorbonne University  
Paris 3  
National School of Architecture  
of Montpellier  
University Sorbonne  
University of Strasbourg

## GERMANY

Albert-Ludwigs University  
of Freiburg  
Eberhard-Karls University  
of Tübingen  
Free University of Berlin  
Heinrich Heine University  
Düsseldorf  
Humbolt University of Berlin  
Ludwig Maximilian University  
of Munich  
RWTH Aachen  
University of Stuttgart  
WHU Otto Beisheim School  
of Management

## HONG KONG

The Chinese University of  
Hong Kong  
University of Hong Kong

## IRELAND

Trinity College Dublin  
University College Dublin

## ISRAEL

Hebrew University of Jerusalem

## ITALY

Bocconi University  
Catholic University of the  
Sacred Heart  
Polytechnic University of Milan

## JAPAN

Akita International University  
Chuo University  
Kansai Gaidai University  
Kobe University  
Kwansei Gakuin University  
Nagoya University  
Okayama University  
Ritsumeikan Asia Pacific  
University  
Ritsumeikan University Kyoto  
Sophia University  
Waseda University

## MEXICO

Ibero-American University

## NETHERLANDS

Leiden University  
Maastricht University  
University College Maastricht  
Utrecht University  
University of Groningen  
Vrije University

## NEW ZEALAND

University of Otago

## NORWAY

Norwegian School of  
Economics and Business  
Administration  
Norwegian University of  
Life Sciences  
Norwegian University of  
Science and Technology  
University of Bergen  
University of Oslo  
University of Stavanger

## RÉUNION

National School of Architecture  
of Montpellier

## SINGAPORE

Nanyang Technological  
University  
National University of Singapore  
Singapore Management  
University

## SOUTH KOREA

Korea University  
Seoul National University  
Sogang University  
Sungkyunkwan University  
Yonsei University

## SPAIN

Autonomous University of  
Barcelona  
Comillas Pontifical University

## SWEDEN

Lund University  
Stockholm University  
Swedish University of  
Agricultural Sciences  
Uppsala University

## SWITZERLAND

University of St Gallen  
University of Zurich

## THAILAND

Chulalongkorn University

## UNITED KINGDOM

Bader International Study  
Centre (Queen's University)  
Cardiff University  
Durham University  
Loughborough University  
Manchester Business School  
Queen Mary University of  
London  
Royal Holloway University of  
London  
University College London  
University of Aberdeen  
University of Bath  
University of Bristol  
University of Essex  
University of Exeter  
University of Glasgow  
University of Leeds  
University of Liverpool  
University of Manchester  
University of Nottingham  
University of Sheffield  
University of Southampton  
University of Sussex  
University of York

## URUGUAY

Universidad de Montevideo

## UNITED STATES

Boston College  
Indiana University  
Iowa State University  
Kansas State University  
Montana State University  
North Carolina State University  
Pacific University  
Purdue University  
State University of New York  
at Brockport  
University of Alabama  
at Birmingham  
University of Denver  
University of Illinois at  
Urbana-Champaign  
University of Maryland  
University of Massachusetts  
Amherst  
University of New Mexico  
University of Notre Dame du Lac  
University of Pennsylvania  
University of Rochester  
University of South Dakota  
University of Texas at Austin  
University of Vermont  
University of Washington  
University of West Alabama  
Willamette University

# Accommodation at UWA

There are many options for good-quality accommodation close to the UWA campus. Guaranteed accommodation is offered to new full-time students.

[uwa.edu.au/guaranteed-accommodation](http://uwa.edu.au/guaranteed-accommodation)

## Living on campus

Make the most of your time at UWA and enjoy an amazing, fully inclusive lifestyle. Our five residential colleges are located directly opposite UWA, so you can sleep in late and still get to class on time.

As well as your own secure, fully furnished room, you'll get:

- meals, cleaning, utilities, internet and more included in your fees
- an action-packed calendar of events, activities and programs
- plenty of spaces in which to study, relax or be active
- an extensive range of personal and career development opportunities
- 24/7 support, whether you need help with study or just someone to talk to
- lifelong friends from all over the world.

### How to apply

1. Research the college websites to decide which suits you best.
2. Complete your application at [livingoncampus.uwa.edu.au](http://livingoncampus.uwa.edu.au) (ranking the colleges in order of your personal preference).
3. You'll be contacted directly by your first-preference college within two weeks.

Applications open 12 months in advance. We recommend applying as early as possible – you don't have to wait until you receive an offer from UWA.

Find out more: [uwa.edu.au/colleges](http://uwa.edu.au/colleges)

Apply now: [livingoncampus.uwa.edu.au](http://livingoncampus.uwa.edu.au)

Contact us: [residentialcolleges@uwa.edu.au](mailto:residentialcolleges@uwa.edu.au)

### Overview of 2020 Residential College fees and charges<sup>1</sup>:

	Weekly fee <sup>2</sup>	Standard year fee <sup>3</sup>	Beds
<b>ST CATHERINE'S COLLEGE<sup>4</sup></b> STCATHERINES.UWA.EDU.AU	AUD\$485	AUD\$19,400	430
<b>ST GEORGE'S COLLEGE<sup>4</sup></b> STGC.UWA.EDU.AU	AUD\$490	AUD\$19,450	225
<b>ST THOMAS MORE COLLEGE</b> STMC.UWA.EDU.AU	AUD\$390	AUD\$15,210	400
<b>TRINITY RESIDENTIAL COLLEGE</b> TRC.UWA.EDU.AU	AUD\$438	AUD\$17,520	350
<b>UNIVERSITY HALL</b> UNIHALL.UWA.EDU.AU	AUD\$370	AUD\$14,800	750

1. The fees overview should be read in conjunction with each college's fee schedule. Prices quoted are based on 2020 standard single-room rates; additional room types are also available. Weekly fees vary depending on the room type, length of stay and additional inclusions. **Fees for 2021 will be available late 2020; check the individual college websites for the latest and most comprehensive information.**

2. The weekly fee includes 14 meals per week for University Hall, and 16 meals per week for St Thomas More College. Meal packages can be upgraded at an additional cost. All other colleges' rates are inclusive of 21 meals per week.

3. Standard yearly fee includes accommodation, meals, utilities, cleaning, access to communal college facilities, plus a variety of programs and activities offered throughout the year. Other upfront fees may apply, depending on the college or room type allocated. Refer to the individual college websites for full fee schedules.

4. Limited twin-share rooms may be available at St Catherine's College and St George's College on request, subject to availability.

# Living off campus

UWA owns and manages a range of apartments, units and houses adjacent to campus that are perfect if you're seeking a more independent lifestyle.

Ideal for postgraduate students and students with families, properties are partially furnished and you'll be supported by UWA's property management team who understand the needs of our students.

Whether you choose to rent a UWA-owned property or one that is privately or commercially listed, please note that you take full responsibility for the property and sign a rental contract.

As a guide, the average cost of renting or leasing an unfurnished one- or two-bedroom unit close to UWA is between AUD\$220 and AUD\$500 per week. There are also upfront costs to consider, such as a bond or security deposit, and utility connection fees. Other costs, such as electricity and/or gas, telephone and food, are usually not included in the weekly rent.

[uwa.edu.au/study/student-life/accommodation/crawley-village-housing](https://uwa.edu.au/study/student-life/accommodation/crawley-village-housing)

## Perth city student accommodation

Campus Perth and The Boulevard (by The Student Housing Company) are purpose-built student accommodation properties endorsed by UWA. They offer a wide range of private and shared room options with rates starting from AUD\$162 per week\* and you'll also have access to a variety of social spaces and onsite support. Both are located in Northbridge, Perth's vibrant social and cultural precinct, and close to public transport for easy access to UWA.

[uwa.edu.au/study/student-life/accommodation/cbd-accommodation](https://uwa.edu.au/study/student-life/accommodation/cbd-accommodation)

\*Based on 2020 rates, subject to room type and availability.



ST CATHERINE'S COLLEGE  
[STCATHERINES.UWA.EDU.AU](https://stcatherines.uwa.edu.au)



ST GEORGE'S COLLEGE  
[STGC.UWA.EDU.AU](https://stgc.uwa.edu.au)



ST THOMAS MORE COLLEGE  
[STM.UWA.EDU.AU](https://stm.uwa.edu.au)



UNIVERSITY HALL  
[UNIHALL.UWA.EDU.AU](https://unihall.uwa.edu.au)



TRINITY RESIDENTIAL COLLEGE  
[TRC.UWA.EDU.AU](https://trc.uwa.edu.au)

## UWA Housing Database

UWA Accommodation provides an online housing database for students. International students who have been offered a place at UWA, but have not yet enrolled, can still create an account and access the database, which includes listings by UWA students or staff members who have a vacant property or room available to rent.

[accommodation.uwa.edu.au/housing-database](https://accommodation.uwa.edu.au/housing-database)

# Our degrees



We're focused on education that helps you achieve your career goals, which is why there is a range of ways you can undertake study with us. Our dedicated team will work with you to develop the best option to set you up for long-term success.

## Undergraduate degree (your first degree)

We've expanded our course offering to provide further variety in our three- and four-year undergraduate degrees. You can choose a bachelor's degree that allows you to explore different areas of interest and gain transferable skills and knowledge that will enable a broad range of career outcomes. Alternatively, you can choose a more focused and planned program of study within a chosen specialisation, where you'll develop the specific skills and knowledge to succeed within that chosen career.

Our three-year degrees include: the Bachelor of Arts (BA), Bachelor of Automation and Robotics (BAR), Bachelor of Business (BBus), Bachelor of Biomedical Science (BBiomedSc), Bachelor of Commerce (BCom), Bachelor of Environmental Design (BEnvDes), Bachelor of Music (BMus), Bachelor of Philosophy, Politics and Economics (BPPE) and Bachelor of Science (BSc). Each undergraduate degree has a defined list of degree-specific majors and/or double majors available within it. Your chosen degree-specific major or double major will determine your undergraduate degree. Where space is available in your study plan, you can also

complete a second major or minor in an area that complements your career aspirations and allows you to create a unique combination of disciplines. Completion of a three-year undergraduate degree will provide you with the opportunity to progress to honours and/or a postgraduate qualification.

We also offer a small number of four-year undergraduate degrees that integrate an honours year. These include the Bachelor of Philosophy (BPhil) (Honours) and Bachelor of Advanced Computer Science (BACS) (Honours).

## Bachelor of Philosophy (Honours)

The Bachelor of Philosophy (Honours) is an inspiring and unique course where you can choose any undergraduate major (and a second major, if you wish) from any field of study. The degree comprises a three-year bachelor's course and a fourth year of honours. Your study is research-intensive and includes innovative interdisciplinary project work, a scholarship-supported study abroad experience and intensive academic mentoring - all at the highest standards of excellence.

### Direct Pathways

Direct Pathways allow you to package your undergraduate and postgraduate degrees at the start of your studies. This provides you with clear progression towards a professional qualification, or the opportunity for accelerated completion of your degrees.



There is a limited number of places available in some of our Direct Pathways. If you don't secure a place, don't worry; places in these postgraduate courses will still be available to apply for towards the end of your undergraduate degree.

Also, UWA now offers an accelerated Direct Pathway via new Combined Bachelor's and Master's degrees (CBM) in certain disciplines. The CBM is a four-year accelerated program for high-performing students.

Over your first three years, you'll complete a double major in your chosen discipline and a semester of more advanced study leading into a final full year at postgraduate level.

On completion, you're awarded both a bachelor's and a master's degree. You can also choose to exit the CBM after three years with an advanced bachelor's degree in the study area of your double major.

### Postgraduate Pathways (your second degree)

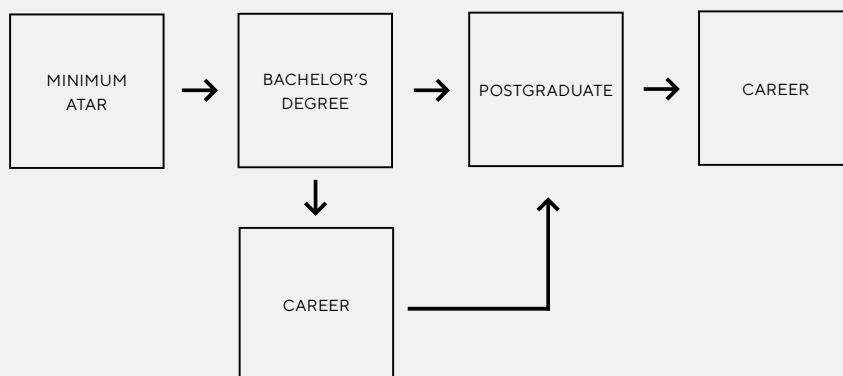
After completing your undergraduate degree, you can choose to enter the workforce or undertake a second degree to achieve further specialisation. By continuing to postgraduate studies, you could complete a higher-level qualification with international recognition in less time than some double degrees at other universities (Australian Qualifications Framework 2020).

#### Professional courses

Outside of our Direct Pathways, we offer a number of routes to careers that can be taken up as a postgraduate degree after completing your bachelor's degree. For the full list of courses available, visit [uwa.edu.au/study/professional-pathways](http://uwa.edu.au/study/professional-pathways)

#### Graduate pathways

You can also choose from almost 200 postgraduate courses after you complete your bachelor's degree. To explore our full range of postgraduate courses, visit [uwa.edu.au/study/postgraduate](http://uwa.edu.au/study/postgraduate)



# Combined Bachelor's and Master's

Minimum ATAR 90 or equivalent, and any additional entry requirements  
Intake month February  
Completion 4 years full time

The Combined Bachelor's and Master's (CBM) is a four-year accelerated program for high-performing students that will allow you to save on fees and enter the workforce sooner. Over your first three years, you'll complete a double major in your chosen discipline, including a semester of more advanced study leading into a final full year at postgraduate level. On completion, you'll be awarded both a full bachelor's and a full master's degree on an accelerated four-year (2.5 + 1.5) pathway. If you decide not to continue in the CBM, you can exit after three years with an advanced bachelor's degree in the study area of your double major. Note that the advanced bachelor's degree is available only as a CBM exit award; it is not offered for direct enrolment and is not awarded on completion of the CBM.

## AGRIBUSINESS COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Agricultural Science and Agribusiness Double Major) and Master of Agricultural Science

**CRICOS CODE:** 102858A

**UWA COURSE CODE:**  
CM003

**2021 TUITION FEE:**

AUD\$40,700 per year

Combine practical business skills with your interests in agriculture to tackle the global challenge of creating a sustainable food future. In your first three years, you'll complete the Agricultural Science and Agribusiness double major and a semester of postgraduate study. You'll then complete the Agribusiness specialisation in the Master of Agricultural Science.

**Prerequisite**

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/agribusiness](http://uwa.edu.au/study/cbm/agribusiness)

## AGRICULTURAL ECONOMICS COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Agricultural Science and Agribusiness Double Major) and Master of Agricultural Economics

**CRICOS CODE:** 102873B

**UWA COURSE CODE:**  
CM014

**2021 TUITION FEE:**

AUD\$40,700 per year

This is a globally relevant economics degree that focuses on analysis of production, consumption and trade issues in the global food, fibre and energy sectors. In your first three years, you'll complete the Agricultural Science and Agribusiness double major and a semester of postgraduate study. You'll then complete the Master of Agricultural Economics.

**Prerequisites**

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/agricultural-economics](http://uwa.edu.au/study/cbm/agricultural-economics)

## AGRICULTURAL SCIENCE COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Agricultural Science and Technology Double Major) and Master of Agricultural Science

**CRICOS CODE:** 102859M

**UWA COURSE CODE:**  
CM013

**2021 TUITION FEE:**

AUD\$40,700 per year

This course will prepare you to meet the demands of an agricultural industry being rapidly transformed by technology and digitalisation. In your first three years, you'll complete the Agricultural Science and Technology double major and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Agricultural Science.

**Prerequisites**

- Mathematics Methods ATAR
- Chemistry ATAR

[uwa.edu.au/study/cbm/agricultural-science](http://uwa.edu.au/study/cbm/agricultural-science)

## BIOCHEMISTRY OF NUTRITION COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Biochemistry of Nutrition Double Major) and Master of Biomedical Science

**CRICOS CODE:** 102860G

**UWA COURSE CODE:**  
CM004

**2021 TUITION FEE:**

AUD\$40,300 per year

Are you interested in the role of nutrition in saving lives, reducing morbidity and improving health? Then the Combined Bachelor's and Master's in Biochemistry of Nutrition may be for you. In your first three years, you'll complete the Biochemistry of Nutrition (double major) and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Biomedical Science.

**Prerequisites**

- Chemistry ATAR
- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/biochemistry-of-nutrition](http://uwa.edu.au/study/cbm/biochemistry-of-nutrition)

## BIOLOGICAL SCIENCE COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Wildlife Conservation Double Major) and Master of Biological Science

**CRICOS CODE:** 102861F  
**UWA COURSE CODE:**  
 CM005  
**2021 TUITION FEE:**  
 AUD\$40,700 per year

Help preserve our ecosystems and protect the future of wildlife through conservation of our threatened animals and their environments. In your first three years, you'll complete the Wildlife Conservation double major and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Biological Science.

#### Prerequisites

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/biological-science](http://uwa.edu.au/study/cbm/biological-science)

## MOLECULAR LIFE SCIENCES COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Molecular Life Sciences Double Major) and Master of Biotechnology

**CRICOS CODE:** 102869J  
**UWA COURSE CODE:**  
 CM007  
**2021 TUITION FEE:**  
 AUD\$40,700 per year

Gain the skills needed to solve life's greatest challenges through cutting-edge approaches in medical, environmental and agricultural advances. In your first three years, you'll complete the Molecular Life Sciences double major and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Biotechnology.

#### Prerequisites

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/molecular-life-sciences](http://uwa.edu.au/study/cbm/molecular-life-sciences)

## EARTH SCIENCES COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Integrated Earth and Marine Science Double Major) and Master of Geoscience

**CRICOS CODE:** 102871D  
**UWA COURSE CODE:**  
 CM009  
**2021 TUITION FEE:**  
 AUD\$40,700 per year

Be at the forefront of creating a more sustainable future for our planet by gaining a holistic understanding of Earth and its oceans. In your first three years, you'll complete the Integrated Earth and Marine Sciences double major and a semester of postgraduate study. You'll then complete the Master of Geoscience.

#### Prerequisite

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/earth-and-marine](http://uwa.edu.au/study/cbm/earth-and-marine)

## ECONOMICS COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Economics (Professional Economics Double Major) and Master of Economics

**CRICOS CODE:** 102875M  
**UWA COURSE CODE:**  
 CM002  
**2021 TUITION FEE:**  
 AUD\$39,800 per year

This course will provide you with high-level, discipline-specific knowledge in economics, focusing on developing your quantitative and analytical skills, and exposing you to the breadth of disciplines that economics can cover. If you decide not to complete the master's degree, you can graduate with a Bachelor of Economics (Advanced).

#### Prerequisites

- Mathematics Applications ATAR and a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units

#### Recommended subject

- Mathematics Methods ATAR

[uwa.edu.au/study/cbm/economics](http://uwa.edu.au/study/cbm/economics)

## ENVIRONMENTAL SCIENCE COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Environmental Science and Management Double Major) and Master of Environmental Science

**CRICOS CODE:** 102870E  
**UWA COURSE CODE:**  
 CM008  
**2021 TUITION FEE:**  
 AUD\$40,300 per year

Help secure a sustainable future with a Combined Bachelor's and Master's (CBM) in Environmental Science. In your first three years, you'll complete the Environmental Science and Management double major and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Environmental Science.

#### Prerequisites

- Mathematics Methods ATAR
- Chemistry ATAR

[uwa.edu.au/study/cbm/environmental-science](http://uwa.edu.au/study/cbm/environmental-science)

## MARINE SCIENCE COMBINED BACHELOR'S AND MASTER'S

### Bachelor of Science (Marine Science Double Major) and Master of Biological Science or Master of Environmental Science

**CRICOS CODE:** 102872C,  
 102874A  
**UWA COURSE CODE:**  
 CM010  
**2021 TUITION FEE:**  
 AUD\$40,700 per year

Gain specialised knowledge of marine life and a solid understanding of the physical processes across our coastal marine environments. In your first three years, you'll complete the Marine Science double major and a semester of postgraduate study. You'll then complete your selected specialisation in the Master of Biological Science or Master of Environmental Science.

#### Prerequisites

- Mathematics Methods ATAR
- Chemistry ATAR

[uwa.edu.au/study/cbm/marine-science](http://uwa.edu.au/study/cbm/marine-science)

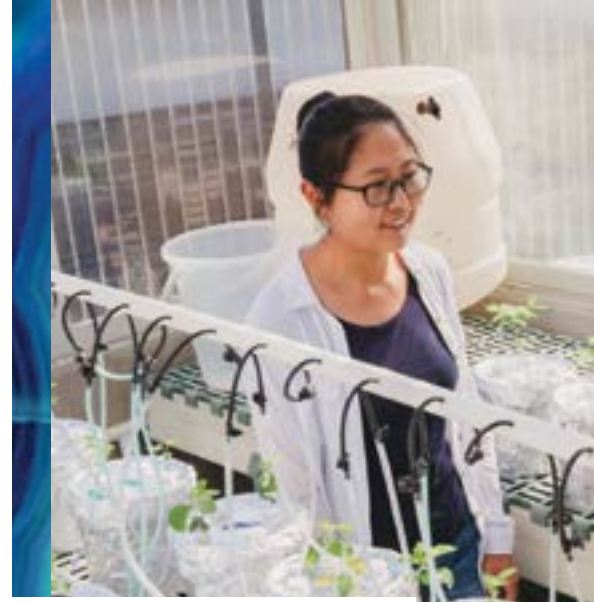
# Choosing what to study

UWA offers a wide range of courses in 10 broad areas of study. With our undergraduate course structure, you can pair majors and additional units from different study areas, or focus strongly on one area of interest. The choice is yours.

I am interested in...	I'd like a career in...	Study areas to explore
Exploring environmental issues, food security and sustainability	<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Biotechnology</li> <li>• Conservation (Wildlife and Environmental)</li> <li>• Environmental Management</li> <li>• Natural Resource Management</li> <li>• Policy</li> </ul>	<p><b>Agriculture, Environmental and Biological Sciences</b></p> <p>Advances in technology and science are transforming our world at an incredible pace. Join us and tackle global, regional and local issues to make the world a better place.</p>
Creating sustainable built environments	<ul style="list-style-type: none"> <li>• Architecture</li> <li>• Landscape Design</li> <li>• Urban Design</li> <li>• Environmental Planning</li> <li>• Regional Planning</li> </ul>	<p><b>Architecture, Design and Planning</b></p> <p>Be part of a collaboration of creative and strategic thinkers who come together to push the boundaries of knowledge, culture, habitats and landscapes.</p>
Becoming an entrepreneur, launching businesses and fostering innovation	<ul style="list-style-type: none"> <li>• Accounting</li> <li>• Business</li> <li>• Economics</li> <li>• Entrepreneurship</li> <li>• Marketing</li> <li>• Human Resources</li> <li>• Management</li> <li>• Finance</li> </ul>	<p><b>Business and Law</b></p> <p>Develop your analytical, communication and problem-solving skills, and the knowledge and real-world experiences to prepare you for a career in business, government or not-for-profit sectors.</p>
Fighting for social justice and improving access to legal services	<ul style="list-style-type: none"> <li>• Law</li> <li>• Legal Practice</li> <li>• Policy</li> <li>• Criminology</li> </ul>	
Cybersecurity, making and breaking technology, and society's interaction with the digital world	<ul style="list-style-type: none"> <li>• Cybersecurity</li> <li>• Data Science</li> <li>• Artificial Intelligence</li> <li>• Automation</li> <li>• App and Tech Development</li> </ul>	<p><b>Data and Computer Science</b></p> <p>Drive businesses forward, shape societies and find solutions to big challenges through data and technology.</p>



<p>Shaping the future of children through teaching and lifelong learning</p>	<ul style="list-style-type: none"> <li>• Teaching</li> <li>• Education</li> <li>• Corporate Training</li> </ul>	<p><b>Education</b></p> <p>Help young people achieve their full potential. Join a university at the forefront of teacher education and ignite your passion to educate and inspire a love of learning in others.</p>
<p>Thinking outside the box and finding solutions to complex challenges</p>	<ul style="list-style-type: none"> <li>• Engineering (Chemical, Biomedical, Mechanical, Civil, Electrical and Electronic, Mining, Software, Environmental)</li> <li>• Automation and Robotics</li> </ul>	<p><b>Engineering</b></p> <p>Are you keen to tackle global challenges through engineering innovation? Embark on an engineering pathway and gain the skills needed to meet future global needs – from creating some of the world’s biggest buildings to designing minuscule electronic devices to make a large impact.</p>
<p>Understanding global pandemics, solving complex problems and finding cures for diseases</p>	<ul style="list-style-type: none"> <li>• Medical Research</li> <li>• Biotechnology</li> </ul>	<p><b>Health and Biomedical Sciences</b></p> <p>If you want to advance the health and wellbeing of communities, join WA’s top university for Clinical Medicine (ARWU 2020). Or if you’re passionate about biomedical sciences, you can join us in delivering knowledge and discoveries to guarantee our healthy futures.</p>
<p>Caring for people and improving the health of individuals and communities</p>	<ul style="list-style-type: none"> <li>• Health</li> <li>• Medicine</li> <li>• Exercise Rehabilitation</li> <li>• Pharmacy</li> <li>• Public Health</li> <li>• Nutrition</li> <li>• Sports Management</li> </ul>	
<p>Understanding the mind and human behaviour</p>	<ul style="list-style-type: none"> <li>• Psychology</li> </ul>	<p><b>Humanities and Social Sciences</b></p> <p>Power lifelong career success in any field, with transferable skills in critical thinking, communicating and influencing.</p>
<p>Travel, learning new languages, and cultural studies</p>	<ul style="list-style-type: none"> <li>• Politics</li> <li>• Teaching</li> <li>• Communications</li> <li>• Foreign Affairs</li> <li>• Policy</li> </ul>	
<p>Creating ideas, content, music or art</p>	<ul style="list-style-type: none"> <li>• Music</li> <li>• Art</li> <li>• Teaching</li> </ul>	<p><b>Music and Fine Arts</b></p> <p>Learn from leading arts professionals and release your full creative potential.</p>
<p>The abstract science of numbers and the natural phenomena of the Earth and all its processes and components</p>	<ul style="list-style-type: none"> <li>• Data Science</li> <li>• Physics</li> <li>• Statistics</li> <li>• Aerospace and Defence</li> <li>• Nanotechnology</li> <li>• Chemistry</li> <li>• Mining</li> <li>• Petroleum</li> </ul>	<p><b>Physical Sciences and Mathematics</b></p> <p>If you’re a natural problem solver, develop your skills to tackle the fast-paced challenges in today’s world and prepare yourself for an interesting and rewarding career in a growing space.</p>



# Agricultural, Environmental and Biological Sciences

From studying microorganisms to optimising industrial farms and restoring damaged environments, these majors encompass diverse areas of science.



**Agricultural Science** provides the technology and research for sustainable, profitable and ethical food production worldwide. It focuses on the multidisciplinary challenges facing the global community: a rapidly growing population, changing climate, and limited land and freshwater resources, which all impact on the ability of agriculture to meet demand.

**Environmental Science** assesses the impact of human activity on the global environment, and develops scientific, risk-focused solutions to help secure a sustainable future. By choosing to major in Environmental Science, you'll help develop solutions to issues such as climate change, carbon trading, greenhouse gas emissions, water-resource management, salinity and deforestation.

**Biological Science** focuses on understanding the Earth's species, and the ecosystems in which they live, to better value and protect life on our planet. As well as providing understanding of how microorganisms, fungi, plants and animals grow, adapt, communicate, reproduce and evolve, it gives clues to advance food production, the treatment of plant and animal diseases, and medical science.

## Top five reasons to study Agriculture, Environmental and Biological Sciences at UWA

- UWA is ranked 1st in Australia for Agricultural Sciences and Environmental Science and Engineering (ARWU 2020).
- Our Faculty of Science is home to a wide range of facilities that support world-class research and teaching activities to ensure hands-on learning.
- We collaborate with industry, government agencies and universities worldwide to offer diverse education and forge meaningful partnerships.
- You'll learn from award-winning researchers and academics who are experts in their field.
- There is a number of prestigious scholarships available to students, offered by UWA and the Faculty of Science.



### Plant Growth Facility

The UWA Plant Growth Facility (PGF) provides a high-quality, functional and practical growing site for carrying out experiments under controlled conditions. Users are able to control light quality, temperature, water, nutrients and soil composition while eliminating the variability found in nature.

The PGF consists of 19 greenhouses, 8 phytotrons, 29 plant-growth rooms and 8 plant-growth cabinets. Other facilities include an autoclave, soil-storage areas and sterilisation equipment, ancillary equipment storage spaces and a deionised water production facility.

## #1

IN AUSTRALIA AND  
17TH IN THE WORLD  
FOR AGRICULTURAL  
SCIENCES

(ARWU 2020)

## #1

IN AUSTRALIA AND  
21ST IN THE WORLD  
FOR ENVIRONMENTAL  
SCIENCE AND  
ENGINEERING

(ARWU 2020)

## #22

IN THE WORLD FOR  
OCEANOGRAPHY

(ARWU 2020)

After graduating, you could choose to enter a career or specialise further with our postgraduate courses in Agricultural Science, Biological Science, Environmental Science, Geoscience, Hydrogeology, Ocean Leadership and more.



“I’m passionate about environmental science, and getting to share that with students and see them develop their own interests and careers is a real privilege. It’s great to watch as they build their knowledge and future careers.”

**DR TALITHA SANTINI**

SENIOR LECTURER IN ENVIRONMENTAL SCIENCE AT UWA

# Agribusiness

## CAREER OPPORTUNITIES

Policy analyst, commodity trade analyst, production supervisor

**Bachelor's degree:** Science or Philosophy (Honours)

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Agribusiness encompasses the entire food production process, from business activities involved in production, financing and processing to marketing of food and fibre in order to feed a growing population. This major will prepare you to apply business and economic principles to address global challenges in food security, farming systems and evolving consumer markets.

### Why study this course

- Build the knowledge and professional work skills you need to contribute solutions to issues of food security and global food production
- Explore different facets of the agricultural industry, such as international trade, business management, marketing, policy formation and more
- Learn the business and economics behind assuming managerial and leadership roles in the field

### You'll learn to

- demonstrate a fluency with the factors and conditions affecting the agricultural industry
- build practical and transferable skills in management, teamwork, critical thinking and communication directed toward the strategies needed to implement growth and sustainability in the agri-food and farming sectors
- apply skills and knowledge to real-world scenarios in agricultural planning, distribution and innovation

**Trending second majors:** Agricultural Technology; Environmental Management; Marketing; Engineering Science

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#### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/agribusiness](http://uwa.edu.au/study/agribusiness)

[handbooks.uwa.edu.au/major/agribusiness](http://handbooks.uwa.edu.au/major/agribusiness)

# Agricultural Science

## CAREER OPPORTUNITIES

Agricultural scientist, agricultural consultant, environmental manager

**Bachelor's degree:** Science or Philosophy (Honours)

---

Australia's agricultural industry is a key part of the world's food supply system. The challenges of a rapidly growing population, climate change and the limitations of land and fresh water all impact on the ability of agriculture to meet the demand for food, fibre and fuel. As part of the Agricultural Science major, you'll investigate how to address this demand by developing an understanding of the complex factors that shape agricultural systems. Agricultural Science provides the research, technology and information for the sustainable and ethical development of the agricultural industry. Your studies will include soil science, genetics, cropping systems, soil-plant interaction, livestock production, agricultural economics and grain marketing.

### Why study this course

- There is a high demand for skilled agriculture graduates with a strong science background
- UWA aims to contribute to sustainable food production
- UWA is ranked 1st in Australia for Agricultural Sciences (ARWU 2020)

### You'll learn to

- be a critical thinker who is scientifically skilled and able to address global challenges such as climate change and increasing demand for food and fibre
- assess how climate, soils, plants, animals and farm management practices influence agricultural production
- evaluate how agricultural trade and commodity marketing can be applied to manage price risk

**Trending second majors:** Environmental Science; Engineering Science; Botany; Chemistry

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#### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/agricultural-science](http://uwa.edu.au/study/agricultural-science)

[handbooks.uwa.edu.au/major/agricultural-science](http://handbooks.uwa.edu.au/major/agricultural-science)

## Agricultural Science and Agribusiness (Double Major)

### CAREER OPPORTUNITIES

Agricultural scientist, policy analyst, commodity trade analyst

**Bachelor's degree:** Science or Philosophy (Honours)

The global population is increasing, and with it comes the need for a profitable and economically viable agribusiness sector to meet the food and fibre demand of humanity. This double major will combine practical business skills with your interests in agriculture to tackle the global challenge of creating a sustainable food future.

### Why study this course

- Gain the professional skills and knowledge expertise that shape global agricultural production
- With continued world population growth, job opportunities associated with the science, economics and business of agriculture continue to expand
- Learn the science underlying animal husbandry and crop systems, and apply business strategies to capitalise on innovation and cutting-edge best practice

### You'll learn to

- obtain focused expertise on the physical and social sciences of the agricultural sector, including economics and marketing, agribusiness finance, principles of agribusiness management, farm management, crop and animal production, soil science and genetics
- research and apply principles associated with clean, ethical and sustainable production
- develop hands-on, transferable scientific and business skills for attractive employability across the spectrum of the agricultural industry

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/agricultural-science-and-agribusiness-double-major](http://uwa.edu.au/study/agricultural-science-and-agribusiness-double-major)

[handbooks.uwa.edu.au/major/agricultural-science-and-agribusiness](http://handbooks.uwa.edu.au/major/agricultural-science-and-agribusiness)

## Agricultural Science and Technology (Double Major)

### CAREER OPPORTUNITIES

Agricultural consultant, researcher, AgTech professional

**Bachelor's degree:** Science or Philosophy (Honours)

There is a critical need to produce food and fibre more efficiently and in a more sustainable manner. There are currently rapid changes in the agricultural sector, largely due to developments in agricultural technology (digital agriculture). This double major provides knowledge in both the traditional agricultural science areas as well as the emerging data-intensive agricultural technologies.

### Why study this course

- Agricultural technology ('AgTech') is rapidly developing and there is a high demand for graduates, especially those who are also skilled in agricultural science
- UWA aims to contribute to sustainable food production
- UWA is ranked 1st in Australia for Agricultural Sciences (ARWU 2020)

### You'll learn to

- integrate agricultural knowledge with skills in geographic information systems (GIS), programming and data analysis to guide decision making for improved agricultural productivity
- be a critical thinker who is scientifically skilled and able to address global challenges such as climate change and increasing demand for food and fibre
- assess how climate, soils, plants, animals and farm management practices influence agricultural production
- evaluate how agricultural trade and commodity marketing can be applied to manage price risk

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/agricultural-science-and-technology-double-major](http://uwa.edu.au/study/agricultural-science-and-technology-double-major)

[handbooks.uwa.edu.au/major/agricultural-science-and-technology](http://handbooks.uwa.edu.au/major/agricultural-science-and-technology)

# Agricultural Technology

## CAREER OPPORTUNITIES

Agricultural adviser, AgTech professional, agricultural researcher

**Bachelor's degree:** Science or Philosophy (Honours)

Agricultural technology is transforming the agricultural sector. This data-intensive technology has the potential to significantly increase food production, effectively, efficiently and sustainably. The Agricultural Technology major provides a broad agricultural background along with the necessary skills in data management and analysis, geographic information systems (GIS) and remote sensing. You'll learn how to integrate this information to develop strategies for agricultural and farming systems.

## Why study this course

- Agricultural technology ('AgTech') is rapidly developing and there is high demand for graduates who are skilled in this area
- UWA aims to contribute to sustainable food production
- UWA is ranked 1st in Australia for Agricultural Sciences (ARWU 2020)

## You'll learn to

- integrate agricultural knowledge with skills in geographic information systems (GIS), programming and data analysis, to guide decision making for improved agricultural productivity
- be a critical thinker who is scientifically skilled and able to address global challenges such as climate change and increasing demand for food and fibre
- show knowledge of farming in Western Australia and skills to assess agricultural systems using scientific methods

**Trending second majors:** Agribusiness; Business; Finance

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/agricultural-technology](http://uwa.edu.au/study/agricultural-technology)

[handbooks.uwa.edu.au/major/agricultural-technology](http://handbooks.uwa.edu.au/major/agricultural-technology)

# Botany

## CAREER OPPORTUNITIES

Research scientist, environmental consultant, horticulturalist

**Bachelor's degree:** Science or Philosophy (Honours)

Botanists study how plants evolve and adapt to changing climates and environments and have a proactive role in mitigating the loss of biodiversity. Botany is an ideal major if you are enthusiastic about Western Australia's unique native flora or agricultural crops, and are interested in addressing current and future threats to plant conservation and sustainability.

## Why study this course

- UWA is ranked 1st in Australia and in the world's top 50 for Biological Sciences (ARWU 2020)
- There are up to three overnight field trips on which you'll get the chance to apply your knowledge in real-life situations

## You'll learn to

- understand plant structure, function, diversity and evolution
- appreciate the pivotal relationship between plants and their environment
- demonstrate a knowledge of basic plant processes at different levels of organisation, including cells, tissues, organs, organisms, populations and communities
- be conversant in the terminology, issues and practice of the core principles of botany: diversity, ecology, genetics and evolution, and physiology

**Trending second majors:** Conservation Biology; Zoology; Genetics

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

**Recommended subject:** Chemistry ATAR

[uwa.edu.au/study/botany](http://uwa.edu.au/study/botany)

[handbooks.uwa.edu.au/major/botany](http://handbooks.uwa.edu.au/major/botany)

# Conservation Biology

## CAREER OPPORTUNITIES

Conservation officer, environmental consultant, research scientist

**Bachelor's degree:** Science or Philosophy (Honours)

Conservation biologists work to prevent the extinction of the world's plant and animal species. This is the ideal major if you are interested in fieldwork and want to help mitigate the increasing pressure on the world's ecosystems by actively participating in the management and research of threatened species and communities, as well as understanding the principles and policies behind their recovery.

## Why study this course

- UWA is ranked 1st in Australia and in the world's top 50 for Biological Sciences (ARWU 2020)
- Study near the South West of Western Australia, one of the world's 25 'biodiversity hotspots' (Conservation International)
- Apply your knowledge in real-life situations on field trips

## You'll learn to

- understand global biodiversity and its distribution, and the evolutionary history of biodiversity in Australia
- appreciate the relationship between species biology and ecology and vulnerability to environmental change
- discuss major threats to biodiversity, their causes, and management, and research to mitigate them
- explain the role of different stakeholders in shaping policy and decision making
- demonstrate the analytical and communication skills for modern conservation research

**Trending second majors:** Genetics; Botany; Environmental Science; Marine Biology

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

**Recommended subject:** Chemistry ATAR

[uwa.edu.au/study/conservation-biology](http://uwa.edu.au/study/conservation-biology)

[handbooks.uwa.edu.au/major/conservation-biology](http://handbooks.uwa.edu.au/major/conservation-biology)

# Environmental Management

## CAREER OPPORTUNITIES

Environmental consultant, conservation planner, environmental policy analyst

**Bachelor's degree:** Science or Philosophy (Honours)

With growing populations globally, managing our environment and natural resources is becoming more important than ever. In this major, you'll learn how to apply scientific, economic, policy and social analysis to help society make better decisions to protect the environment. If you want to play a role in the future of our environment, you'll be well suited to study this major.

## Why study this course

- UWA Centre for Environmental Economics and Policy is a recognised centre of excellence for the impact of its environmental policy analysis
- UWA is 1st in Australia and 21st in the world for Environmental Science and Engineering (ARWU 2020)
- You'll learn to help society resolve conflicts caused by the increasing demands of growing populations on the environment and natural resources, including problems like climate change and biodiversity loss

## You'll learn to

- integrate science, economics and social science to guide decision making with respect to human intervention in the environment
- demonstrate the knowledge to manage and rehabilitate environmental systems
- analyse environmental policies from an economic and social science perspective
- apply economic principles to environmental management decisions

**Trending second majors:** Geology; Engineering Science; Conservation Biology

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/environmental-management](http://uwa.edu.au/study/environmental-management)

[handbooks.uwa.edu.au/major/environmental-management](http://handbooks.uwa.edu.au/major/environmental-management)

# Environmental Science



## CAREER OPPORTUNITIES

Environmental consultant, conservation officer, environmental compliance officer

**Bachelor's degree:** Science or Philosophy (Honours)

Environmental Science assesses the impact of human activity on the global environment and develops scientific, risk-based solutions to help secure a sustainable future. By choosing to major in Environmental Science, you'll help to develop solutions to global environmental issues including climate change, carbon trading, greenhouse gas emissions, water resource management, salinity, deforestation and others.

## Why study this course

- UWA is 1st in Australia and 21st in the world for Environmental Science and Engineering (ARWU 2020)
- Western Australia is home to a number of large companies in the mining, agriculture and environmental sector, leading to increasing demand for highly qualified graduates in Environmental Science.
- It is expected there will be 14,000 job openings in the next five years, with weekly wages being higher than the average ([joboutlook.gov.au](http://joboutlook.gov.au))

## You'll learn to

- demonstrate the skills and knowledge to assess environmental systems, using field, laboratory, modelling and statistical methodologies
- integrate ecological, physical and chemical processes to guide decision making with respect to human intervention in the environment
- demonstrate the knowledge to manage and rehabilitate disturbed systems such as natural and agricultural catchments, post-mining landscapes, contaminated sites and urban environments

**Trending second majors:** Marine Biology; Marine and Coastal Processes; Geology

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/environmental-science](http://uwa.edu.au/study/environmental-science)

[handbooks.uwa.edu.au/major/environmental-science](http://handbooks.uwa.edu.au/major/environmental-science)

## Sample study plan

Bachelor of Science with degree-specific major in Environmental Science and second major in Agricultural Science

YR1	SEM 1	Environmental Science and Technology	Communicating Science	Environmental Economics 1	Feeding the World
	SEM 2	Science, Society and Data Analysis	Plant and Animal Biology	Structures and Systems	Environmental History
YR2	SEM 1	The Climate System	Soil Science	Environmental Economics 2	Introductory Chemistry
	SEM 2	Hydrology and Water Resource Management	Geographic Information Systems	Plants and Landscape Systems	Pasture and Livestock Systems
YR3	SEM 1	Land Capability Assessment	Environmental Assessment	Soil-Plant Interactions	Agricultural Economics and Marketing
	SEM 2	Environmental Dynamics	Land Rehabilitation	Crops and Cropping Systems	Clean, Green and Ethical Production

**Key:** ■ Environmental Science degree-specific major ■ Agricultural Science second major ■ Broadening and elective units



## Environmental Science and Management (Double Major)

### CAREER OPPORTUNITIES

Environmental consultant, conservation officer, soil scientist

**Bachelor's degree:** Science or Philosophy (Honours)

Environmental science assesses the impact of human activity on the global environment and develops scientific, risk-based solutions to help secure a sustainable future. As a student of the Environmental Science and Management double major, you'll be trained to apply scientific, economic and regulatory knowledge to help society resolve global conflicts such as climate change, deforestation and water pollution.

### Why study this course

- UWA is ranked 1st in Australia for Environmental Science and Engineering (ARWU 2020)
- You'll learn to help society resolve conflicts, caused by the increasing demands of growing populations on the environment
- You can be a leader in environmental science and policy analysis with good job opportunities and weekly wages being higher than average (joboutlook.gov.au)

### You'll learn to

- develop skills and knowledge to assess environmental systems, using field, laboratory, modelling and statistical methodologies
- integrate science, economics and social science to guide decision making with respect to human intervention in the environment
- analyse environmental policies from an economic and social science perspective

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units
- Chemistry ATAR **OR** an chemistry unit taken in the first year

[uwa.edu.au/study/environmental-science-and-management-double-major](http://uwa.edu.au/study/environmental-science-and-management-double-major)

[handbooks.uwa.edu.au/major/environmental-science-and-management](http://handbooks.uwa.edu.au/major/environmental-science-and-management)

## Geographical Sciences

### CAREER OPPORTUNITIES

Environmental manager, spatial analyst, climate scientist

**Bachelor's degree:** Science or Philosophy (Honours)

Geography is the science of place and space, standing at the intersection of natural and social sciences. Geographers study the Earth's landscapes, peoples, places and environments, and how these interact. Understanding contemporary urban and environmental problems requires an appreciation of the interdependence between human activities and the natural and cultural environment. This major provides you with these insights, focusing on the major challenges facing our planet.

### Why study this course

- Learn skills in a range of research techniques, including fieldwork, survey design, statistical analysis and spatial data analysis
- Study in one of the world's 25 biodiversity hotspots
- Gain hands-on experience in field research, group work and leadership

### You'll learn to

- understand the importance of spatial processes in shaping the nature of human and natural environments
- appreciate the complex relationships that exist between humans and the natural environment, and the ways in which these are manifested in spatial patterns and processes
- develop methods for the investigation and interpretation of spatial patterns and processes in the natural and human environment

**Trending second majors:** Environmental Science; Botany; Agricultural Science

[uwa.edu.au/study/geographical-sciences](http://uwa.edu.au/study/geographical-sciences)

[handbooks.uwa.edu.au/major/geographical-sciences](http://handbooks.uwa.edu.au/major/geographical-sciences)

## Integrated Earth and Marine Sciences (Double Major)

### CAREER OPPORTUNITIES

Minerals explorer, petroleum explorer, energy geoscientist

**Bachelor's degree:** Science or Philosophy (Honours)

This double major offers a research-led experience in studying the Earth, from the planet's early history to its foreseeable future, and from the ocean floors to its highest mountains. You'll learn high-level skills in the collection and interpretation of geoscientific data, in both terrestrial and marine settings, as well as advanced data analysis and synthesis techniques.

### Why study this course

- Within Australia, this is the only major that integrates Earth and Marine Sciences, providing a unique set of skills nationally
- UWA is ranked in the top 30 of global universities (QS 2020) in this discipline, and students are connected with world-class research teams
- This major will provide a high level of interdisciplinary skills for the nation's future leaders in research and sustainable industry

### You'll learn to

- collect geoscientific data, on land, at sea and in the laboratory
- analyse and interpret data in spatial and spatial-temporal contexts
- synthesise and integrate data across multiple scales of observation and over discipline boundaries
- understand the past and present processes of Earth, and its planetary neighbours, from the deep interior to the atmosphere

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/integrated-earth-and-marine-sciences-double-major](http://uwa.edu.au/study/integrated-earth-and-marine-sciences-double-major)

[handbooks.uwa.edu.au/major/integrated-earth-and-marine-sciences](http://handbooks.uwa.edu.au/major/integrated-earth-and-marine-sciences)

## Marine and Coastal Processes

### CAREER OPPORTUNITIES

Coastal and marine consultant, coastal planner, academic

**Bachelor's degree:** Science or Philosophy (Honours)

Coastlines globally face unprecedented threats from continued development and climate change. Majoring in Marine and Coastal Processes will provide you with the understanding of how our coastal and marine environments operate such that you can apply this knowledge to ensure coastal communities and marine ecosystems remain resilient in the future.

### Why study this course

- UWA is ranked 22nd in the world for Oceanography (ARWU 2020) and has brand new facilities and resources unique to Australia
- Learning is led by UWA's global experts who have access to one of the largest pools of marine field instrumentation in Australia used in units and field trips
- This interdisciplinary major provides students with the knowledge required to develop solutions to the threats facing our marine and coastal environments

### You'll learn to

- use a range of techniques and instrumentation to collect data in the field and in the laboratory
- analyse, synthesise and interpret data that varies in space and time
- integrate knowledge of marine and coastal processes and their links to biological processes in order to address real-world problems

**Trending second majors:** Geology, Environmental Science, Conservation Biology

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics units taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/marine-and-coastal-processes](http://uwa.edu.au/study/marine-and-coastal-processes)

[handbooks.uwa.edu.au/major/marine-and-coastal-processes](http://handbooks.uwa.edu.au/major/marine-and-coastal-processes)

# Marine Biology

## CAREER OPPORTUNITIES

Marine environmental consultant, marine conservationist, academic

**Bachelor's degree:** Science or Philosophy (Honours)

Marine biology is the study of marine organisms and their behaviours and interactions with the environment. If you're fascinated by our amazing marine life and the coastal environments in which they live, then this major is for you. With complex issues such as climate change, growing populations, food production and depleting natural resources, the need for marine science professionals continues to grow.

## Why study this course

- UWA is ranked 29th in the world in Earth and Marine Sciences (QS 2020)
- Brand new facilities and resources unique to Australia that are used across our marine studies
- Learning is richly embedded with internationally recognised research, often led by UWA's global experts

## You'll learn to

- use a range of contemporary techniques and instrumentation to collect data in the field and in the laboratory
- analyse, synthesise and interpret data that varies in space and time
- interpret patterns and integrate knowledge of physical and biological processes to address real-world problems

**Trending second majors:** Conservation Biology; Environmental Science; Zoology

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/marine-biology](http://uwa.edu.au/study/marine-biology)

[handbooks.uwa.edu.au/major/marine-biology](http://handbooks.uwa.edu.au/major/marine-biology)

# Marine Science (Double Major)

## CAREER OPPORTUNITIES

Marine environment consultant, coastal planner, marine conservationist

**Bachelor's degree:** Science or Philosophy (Honours)

This double major will expose you to the full breadth of the marine science discipline, allowing deeper understanding of both the physical and biological components through the Marine Biology and Coastal Processes majors. Western Australia's coastline is a biodiversity hotspot with up to 80 per cent of marine life found nowhere else in the world, making it the ideal living laboratory for your studies.

## Why study this course

- UWA is ranked 29th in the world in Earth and Marine Sciences (QS 2020) and has brand new facilities and resources unique to Australia that are used across our marine studies
- Learning is richly embedded with internationally recognised research, often led by UWA's global experts, encouraging research-based inquiry through cutting-edge science
- This interdisciplinary major provides students with the knowledge required to develop solutions to the threats facing our marine and coastal environments

## You'll learn to

- use a range of contemporary techniques and instrumentation to collect data in the field and in the laboratory
- analyse, synthesise and interpret data that varies in space and time
- interpret patterns and integrate knowledge of physical and biological processes to address real-world problems

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year

[uwa.edu.au/study/marine-science-double-major](http://uwa.edu.au/study/marine-science-double-major)

[handbooks.uwa.edu.au/major/marine-science](http://handbooks.uwa.edu.au/major/marine-science)

# Molecular Life Sciences

(Double Major)

## CAREER OPPORTUNITIES

Agricultural scientist, animal scientist, biochemist

**Bachelor's degree:** Science or Philosophy (Honours)

The Molecular Life Sciences double major will help you develop a scientific understanding of the biochemistry, molecular biology and genetics of all living organisms. By understanding how molecules are organised and interact in living cells, you'll also gain the tools to improve our quality of life. This may be through the development of new vaccines or advances in drought-resistant crops.

## Why study this course

- Learn about the most recent advances in the molecular life sciences, how these affect our everyday lives and how we can use this knowledge to solve global challenges
- Learn through hands-on laboratories while also gaining skills in data analysis and interpretation and critical thinking
- Develop a solid foundation in molecular life sciences with professional and transferable skills that open up many exciting possibilities for future career development and/or study

## You'll learn to

- demonstrate a profound understanding of the theoretical basis of biochemistry, molecular biology, genetics in animals, plants and microorganisms
- gain technical competency and practical skills to master state-of-the-art molecular techniques
- develop and demonstrate your skills in critical thinking, experimental design, data analysis and interpretation

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units
- Chemistry ATAR **OR** a chemistry unit taken in the first year\*

**Recommended subjects:** Chemistry ATAR and Biology or Human Biology ATAR

[uwa.edu.au/study/molecular-life-sciences-double-major](http://uwa.edu.au/study/molecular-life-sciences-double-major)

[handbooks.uwa.edu.au/major/molecular-life-sciences](http://handbooks.uwa.edu.au/major/molecular-life-sciences)

\* Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Wildlife Conservation

(Double Major)

## CAREER OPPORTUNITIES

Wildlife officer, conservation biologist, zoologist

**Bachelor's degree:** Science or Philosophy (Honours)

Focusing on unique Australian fauna, you'll learn about the processes leading to the exceptional biodiversity that exists today, the threats facing this biodiversity and the management strategies and policies that can be used to limit, and in some cases reverse, the impact of these threats. You'll be immersed in nature both in the classroom and out in the field.

## Why study this course

- Australia faces serious challenges to conserve its threatened fauna and needs skilled graduates to fill positions in state management agencies and an expanding number of conservation NGOs
- Australia's fauna is megadiverse, and Western Australia is home to almost half our animal species
- UWA is ranked first in Australia and 34th in the world for Biological Sciences (ARWU 2020)

## You'll learn to

- recognise threatened animal species and the functioning ecosystems that they require for survival
- understand patterns of global biodiversity and the evolutionary history of biodiversity in Australia
- appreciate the relationships between an animal's biology, ecology and physiology and its vulnerability to environmental change
- discuss major threats to biodiversity, their causes, and the management and research to mitigate them

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/wildlife-conservation-double-major](http://uwa.edu.au/study/wildlife-conservation-double-major)

[handbooks.uwa.edu.au/major/wildlife-conservation](http://handbooks.uwa.edu.au/major/wildlife-conservation)

# Zoology

## CAREER OPPORTUNITIES

Environmental consultant, zoologist, science researcher

**Bachelor's degree:** Science or Philosophy (Honours)

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Zoologists study physiology, reproduction, behaviour, community ecology and molecular genetics. Zoology underpins society's interest in conservation and marine science, including major contributions to current research in fisheries and ecosystem management.

## Why study this course

- It will provide you with the opportunity to study animals and their habitats
- You'll gain sound knowledge and understanding of animal structure and function, and the evolutionary processes that have engendered animal diversity
- You'll have the option to take an eight-day field trip to Coral Bay, in the heart of the Ningaloo Reef World Heritage Area, to learn techniques such as mist netting, mammal trapping, marine fauna surveys and experimental design and analysis

## You'll learn to

- understand how the structure, functioning and behaviour of animals underpins their distributions and interactions with the environment
- appreciate the local importance of animals in a conservation context
- undertake animal surveys and handle animals under field conditions
- demonstrate the high-level analytical and communication skills necessary for impactful applied and fundamental science

**Trending second majors:** Botany; Marine Biology

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### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
  - Students without ATAR Mathematics will take two first-year mathematics and statistics units
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**Recommended subject:** Chemistry ATAR

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[uwa.edu.au/study/zoology](http://uwa.edu.au/study/zoology)

[handbooks.uwa.edu.au/major/zoology](http://handbooks.uwa.edu.au/major/zoology)

ONE OF THE  
**TOP 6**  
UNIVERSITIES IN  
AUSTRALIA OFFERING  
ARCHITECTURE  
COURSES  
(QS 2021)

**TOP  
EMPLOYER**  
REPUTATION IN WA FOR  
ARCHITECTURE  
(QS 2020)

STUDY ALONGSIDE  
**EXPERTS**  
IN THE FIELD



# Architecture, Design and Planning

Study Architecture, Design and Planning to create cities, cultures and communities for a sustainable future.

Creative and strategic thinkers come together to push the boundaries of knowledge, culture, habitats and landscapes. At UWA, you'll be part of a community that aims to understand the architecture, landscape and art of Australian cities and housing, creating an impact on Australia and the world.

## Top five reasons to study Architecture, Design and Planning at UWA

- Learn from award-winning, internationally recognised teachers and practitioners.
- All courses have strong practical and creative components.
- Impressive industry and community engagement allows you to work on real-world projects, ranging from housing to museums to space stations.
- Make use of equipment and state-of-the-art facilities such as plastic-extrusion 3D printers, laser cutters, printmaking studios and 24/7 computer labs.
- Our students have won national and international student competitions.



### Design Hub

The Design Hub is available for students as a place to work collaboratively or individually. It's supervised by current School of Design master's students who run workshops and who are available to provide support to students. Towards the end of semester, students are provided with 24/7 access to the area. The space is also used for student workshops, exhibitions that highlight master's coursework projects, and networking events.

We offer pathways to careers in areas such as architecture, building information modelling, landscape architecture, urban design, and urban and regional planning via our range of postgraduate courses.



“I love that I have the freedom to dream up visions for how cities could evolve in relation to the urban challenges we face. This work is important because Australian cities, despite their high liveability rankings, face many critical problems in terms of deepening socioeconomic stratification, vulnerabilities to climate change and the destruction of biodiversity.”

**DR JULIAN BOLLETER**

CO-DIRECTOR AT THE AUSTRALIAN URBAN DESIGN RESEARCH CENTRE, UWA

# Bachelor of Environmental Design

**CRICOS code** 102863D

**UWA course code** BPO11

**Minimum ATAR** 75 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$33,000 per year

## CAREER OPPORTUNITIES\*

Architect, landscape architect, conservationist, urban designer, environmental consultant

Environmental Design is a broad study area that involves design and planning in relation to natural and constructed environments. It promotes synergy between objects and settings, built form and landscape across a range of scales, climates and cultures. Incorporating architecture, landscape architecture, urban design and environmental planning, it includes the analysis, conception and representation of places, objects and policies as they shape our environments.

## Why study Environmental Design at UWA

- You'll be learning from academic staff who are leaders in their fields
- You can engage with industry partners from private and government sectors
- You'll be embarking upon a career essential to the future shaping of our built and natural environments

## You'll learn to

- understand the histories and theories of environmental, urban, architectural and landscape design, planning and policy
- apply principles of design and planning to the creation, preservation and sustaining of both natural and constructed environments
- develop strategic and analytical skills that inform design approaches
- become accomplished in various modes of graphic and technical communication and representation

## Majors

- Architecture (Double Major)
- Environmental Geography and Planning
- Landscape Architecture

[uwa.edu.au/study/bachelor-of-environmental-design](http://uwa.edu.au/study/bachelor-of-environmental-design)



\* Postgraduate study may be required.



# Architecture

(Double Major)

## CAREER OPPORTUNITIES\*

Architect, architectural draftperson, urban planner

**Bachelor's degree:** Environmental Design or Philosophy (Honours)

Architecture is the conceptualisation and design of individual buildings and urban landscapes in response to existing and emerging economic, technical and social needs. The Architecture double major prepares you for postgraduate studies, which can lead to registration as an architect.

## You'll learn to

- imagine and create design outcomes and applications
- apply a range of approaches to design problems and find creative solutions
- interpret historical, theoretical and ethical aspects of architecture
- apply principles of sustainable design and construction
- create drawings, models and prototypes

[uwa.edu.au/study/architecture](http://uwa.edu.au/study/architecture)

## Why study this course

- Architecture offers the chance to blend multiple ways of thinking about how to house human activities and needs
- Learn a comprehensive and innovative approach to design for improved living environments and more resilient and sustainable urban places
- Discover your creative talents as you develop skills in the art and science of architectural design

## Sample study plan

Bachelor of Environmental Design with Architecture (Double Major)

YR1	SEM 1	Art, Technology and Society	Techniques of Visualisation	Environmental Science and Technology	Design Studio – Groundings
	SEM 2	Architecture Studio 1	Drawing History	Fine Arts Studio: Space, Time & Beyond	Structures and Systems
YR2	SEM 1	Architecture Studio 2		Parallel Modernities in Architecture	Materials and Small Constructions
	SEM 2	Environmental Design	Art and Urban Experience	Design Studio	
YR3	SEM 1	History and Theories of the Built Environment	Being Human: Culture, Identity and Society	Architecture Studio 3	
	SEM 2	Architecture Studio 4		Advanced Design Thinking	Construction

**Key:** ■ Architecture A major ■ Architecture B major ■ Broadening and elective units

Students who complete the Architecture (Double Major) at a sufficiently high level may proceed to the Master of Architecture by Coursework (MArch). The MArch is accredited by the Architects Boards in each state and territory, and recognised by a number of international accreditation bodies.

\* Postgraduate study may be required.

# Landscape Architecture

## CAREER OPPORTUNITIES\*

Landscape architect, environmental consultant, urban designer

**Bachelor's degree:** Environmental Design or Philosophy (Honours)

Landscape architecture is the planning, design and management of our natural and built landscapes for the benefit of communities and the future health of the planet. Landscape architects respond to issues like climate change and biodiversity loss by applying systems thinking and practice to develop long-term, large-scale solutions. This major will prepare you for postgraduate studies in landscape architecture or related fields.

## Why study this course

- Study in and learn how to design for our uniquely located biodiversity hotspot
- Experience a range of approaches to the design and construction of landscape settings
- Learn to create sustainable and resilient natural environments and urban areas

## You'll learn to

- analyse and understand landscapes, ecologies and communities
- design and plan for dynamic and resilient places and environments
- demonstrate theoretical and practical knowledge for producing creative design outcomes

**Trending second majors:** Environmental Geography and Planning; Environmental Science; Human Geography and Planning; Indigenous Knowledge, History and Heritage

[uwa.edu.au/study/landscape-architecture](http://uwa.edu.au/study/landscape-architecture)

[handbooks.uwa.edu.au/major/landscape-architecture](http://handbooks.uwa.edu.au/major/landscape-architecture)

\* Postgraduate study may be required.



“A major in Landscape Architecture has enabled me to focus on areas that interest me, such as climate adaptation, urban flood management, river restoration and master planning. The endless learning, whether it is from the curriculum or from the people, has been most enjoyable and enriching. It has broadened my knowledge and exposed me to new experiences, and thus pushed me to explore different ways to express my ideas in my design.”

**HALEY**

BACHELOR OF ARTS – LANDSCAPE ARCHITECTURE

# Environmental Geography and Planning

## CAREER OPPORTUNITIES

Urban planner, environmental researcher and consultant, conservationist

**Bachelor's degree:** Environmental Design or Philosophy (Honours)

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Ensuring the sustainable use of natural resources and planned urban development is crucial to human society. This major focuses on how to ensure the sustainable use of the natural and built environment, ranging from urban design, managing natural resources and ensuring an appropriate quality of life for all in urban environments. You'll develop essential skills in qualitative and quantitative data collection and analysis, fieldwork, the use of Geographic Information Systems (GIS) and remote sensing, analysing environmental policy and applying environmental planning techniques, all of which are essential for advancing your career.

## Why study this course

- You'll be taught by experts across a range of disciplines from urban planning through to natural resource management and conservation
- You'll gain valuable practical skills through fieldwork and desk-based data collection and analysis
- Employers prioritise graduates with experience across a broad range of disciplines, whose skills are transferrable and adaptable to the variety of issues affecting industry and society

## You'll learn to

- develop skills in data collection, analysis and interpretation, using data from both the human and natural environment
- apply your knowledge of policy to identify solutions that ensure sustainable usage of natural resources and urban development
- develop workplace-relevant skills including adaptability, teamwork, oral presentations and professional report writing for employers
- use advanced technology to explore data and present commanding data visualisations

**Trending second majors:** Geographical Sciences; Human Geography and Planning; Landscape Architecture; Environmental Management

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[uwa.edu.au/study/environmental-geography-and-planning](http://uwa.edu.au/study/environmental-geography-and-planning)

[handbooks.uwa.edu.au/major/environmental-geography-and-planning](http://handbooks.uwa.edu.au/major/environmental-geography-and-planning)

# Human Geography and Planning

## CAREER OPPORTUNITIES

Urban planner, economic development adviser, international aid worker

**Bachelor's degree:** Arts or Philosophy (Honours)

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Creating sustainable, liveable communities and vibrant economies are key challenges facing society. Human societies must increasingly grapple with growing population and economic pressures, increasing cultural diversity and the challenge of ecological sustainability under a changing climate. You'll develop critical, technical and communicative skills to address major policy and planning challenges. With an emphasis on domestic and international fieldwork, this major will guide you through the complex interplay of environmental, economic, social and political processes that influence the spatial organisation of human activities at a range of scales.

## Why study this course

- Gain the knowledge and skills to help resolve major urban and regional problems
- Contribute to the creation of liveable communities, vibrant economies and sustainable places
- Human Geography at UWA achieved the highest possible ranking of 'well above world standard' in the latest national assessment of research (Australian Research Council 2019)

## You'll learn to

- demonstrate an understanding of geography as an academic discipline
- plan the shaping of economic, social and ecological characteristics of cities and regions
- conduct quantitative and qualitative research into urban and regional challenges
- communicate geographical perspectives and knowledge effectively
- understand the geographic and planning methods, policies and approaches used to address urban and regional challenges

**Trending second majors:** Landscape Architecture; Political Science and International Relations; Geographical Sciences, Anthropology and Sociology, Environmental Management

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[uwa.edu.au/study/human-geography-and-planning](http://uwa.edu.au/study/human-geography-and-planning)

[handbooks.uwa.edu.au/major/human-geography-and-planning](http://handbooks.uwa.edu.au/major/human-geography-and-planning)

# Master of Architecture

## Direct Pathway

**CRICOS CODE:** 084738G

**UWA COURSE CODE:** 25520

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 2-3.5\* years full time

**2021 MASTER'S TUITION FEES:** AUD\$37,400 per year

The Master of Architecture enables you to apply concepts to the design of specialised building projects. After completing this professionally accredited course, undertaking at least two years' professional work experience under the direction of a registered architect and passing the Architectural Practice Examination, you'll be eligible to register as an architect in Australia.

### Prerequisites:

- Mandatory undergraduate major: Architecture (Double Major)
- Completion of a bachelor's degree, with a UWA weighted average mark of at least 60 per cent

**ATAR:** 92, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/architecture](http://uwa.edu.au/study/m/architecture)

\* 2 years for students with an undergraduate major in Architecture or 3.5 years full time for students without previous studies in Architecture.



# Master of Landscape Architecture

## Direct Pathway

**CRICOS CODE:** 084739F

**UWA COURSE CODE:** 25550

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 2-3\* years full time

**2021 MASTER'S TUITION FEES:** AUD\$36,800 per year

Landscape architecture is the planning, design and management of our natural and built landscapes for the benefit of our communities and the future health of the planet. Landscape architects respond to complex issues like climate change and biodiversity loss by applying systems thinking and practice to develop long-term, large-scale solutions. This Australian Institute of Landscape Architects-accredited course will prepare you for entry into the profession.

### Prerequisites:

- Mandatory undergraduate major: Landscape Architecture
- Completion of a bachelor's degree, with a UWA weighted average mark of at least 60 per cent

**ATAR:** 92, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/landscape-architecture](http://uwa.edu.au/study/m/landscape-architecture)

\* 2 years for students with an undergraduate major in Landscape Architecture or 3 years full time for students without previous studies in Landscape Architecture.



## Master of Urban Design

### Graduate Pathway

**CRICOS CODE:** 074757J

**UWA COURSE CODE:** 25530

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$36,800 per year

Explore the 'urban jungle' studying at UWA's Australian Urban Design Research Centre. You'll develop techniques of sustainable urban design suited to this 'urban century.' Develop an in-depth understanding of urban design theories and issues, techniques of urban analysis and skills for the design and development of sustainable cities and urban places.

#### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA weighted average mark of at least 50 per cent

[uwa.edu.au/study/m/urban-design](http://uwa.edu.au/study/m/urban-design)

## Master of Urban and Regional Planning

### Graduate Pathway

**CRICOS CODE:** 074960F

**UWA COURSE CODE:** 72560

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5 years full time

**2021 MASTER'S TUITION FEES:** AUD\$41,700 per year

Planning shapes the physical, economic, social and environmental character of our cities and regions. This course is accredited by the Planning Institute of Australia and focuses on key concepts and methods in planning alongside placement opportunities and work-based learning. Graduates pursue a variety of exciting careers including town planning, urban design, strategic and regional planning and community planning.

#### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA weighted average mark of at least 50 per cent

[uwa.edu.au/study/m/urban-and-regional-planning](http://uwa.edu.au/study/m/urban-and-regional-planning)



IN THE  
**WORLD'S TOP 100**  
LAW SCHOOLS

(QS AND TIMES HIGHER  
EDUCATION 2020)

**TOP 100**  
WORLDWIDE  
FOR ACCOUNTING  
AND FINANCE

(QS 2020)

**INTERNATIONALLY**  
ACCREDITED  
BUSINESS SCHOOL

# Business and Law

Studying Business and Law at UWA will develop your analytical, communication and problem-solving skills, and provide the knowledge and real-world experiences to prepare you for a career in business, government or not-for-profit sectors.

UWA is home to the only Business School in WA accredited by the European Quality Improvement System (EQUIS) and the Association to Advance Collegiate Schools of Business (AACSB), the leading accreditations in Europe and North America.

Western Australia's premier Law School is ranked 75th in the world (Times Higher Education World Subject Rankings 2020) and has 90+ years of excellence in legal education, research and service.

## Top five reasons to study Business and Law at UWA

- Learn from leading academics who are conducting innovative research, currently working in their field or consulting with industry on policy and practice to enhance the curriculum.
- Develop high-level industry networks through student club events, guest lectures, our Career Mentor Link program and corporate supporters.
- Graduate with a degree that can take you anywhere in the world, with our globally recognised accreditations and our network of alumni establishing successful careers abroad.
- Apply your skills in real-world situations and gain insight into industry practice. We use real case studies and work with organisations to teach our students how to apply theory and give them the best insight into their field, preparing them for a long career ahead.
- Follow in the steps of successful students (including a recent Young Australian of the Year, company directors, eminent business leaders, an entrepreneur who designed a billion-dollar app, judges and even a former Prime Minister).

## The Rosemarie Nathanson Financial Markets Trading Room

This award-winning, world-class facility is a realistic simulation of a trading and analysis centre, with access to real-time data from more than 400 global markets. With more than 35 million financial instruments – from stocks and bonds to currencies and commodities – and more than four million gigabytes of historical market data available, it's an unrivalled chance to hone your real-world skills before graduating.



## Business versus Commerce – what's the difference?

Both degrees will prepare you for a career in the future through industry placements, excellent teaching staff and modern facilities in UWA's Business School, but which is right for you?

In the Bachelor of Business, you can major in Business Management, Enterprise and Innovation, or Global Business. You'll learn how organisations work, how to develop your own business ideas, and how to work with global organisations. It aims to give you the broad business skills and knowledge any future employer is looking for in a modern workplace.

The Bachelor of Commerce is more analytical, and more focused on the specific functions of business organisations, such as accounting, marketing, or finance. Once you have completed your degree, it is expected that you'll have gained the relevant knowledge for a career in the specific area you majored in.

You can still choose to do a second major in the Bachelor of Commerce if you take the Bachelor of Business and vice versa.

Undergraduate studies in Business and Law will prepare you to enter a range of careers directly, or you can specialise further with our postgraduate courses in areas such as applied finance, business analytics, human resources and employment relations, international law, taxation law or marketing.

**“UWA allowed me to secure internships at firms I have always admired.”**

**HARRY**  
BACHELOR OF PHILOSOPHY (HONOURS)-  
ACCOUNTING AND FINANCE

You can still choose to do a second major in the Bachelor of Commerce if you take the Bachelor of Business and vice versa.

# Bachelor of Business

**CRICOS code** 102866A

**UWA course code** BP009

**Minimum ATAR** 75 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$39,500 per year

## CAREER OPPORTUNITIES

Management consultant, market analyst, small business entrepreneur

The modern business leader requires a range of skills and knowledge to be successful. UWA's Bachelor of Business is designed to provide you with relevant, practical skills across a range of areas, including management, marketing, applied business economics, innovation and entrepreneurship. Coupled with access to real-world industry experiences through our internship and work integrated learning programs, this degree will help you kick-start your career.

## Why study Business at UWA

- You'll gain state-of-the-art business knowledge from global experts
- You'll develop key personal and project-based skills that are required in the modern workplace
- You'll gain real-world industry experience through our internship and work integrated learning programs

## You'll learn to

- apply discipline-specific knowledge to critically analyse applied business problems
- develop the required cognitive, technical and research skills for lifelong learning
- develop effective communication and team-based skills

## Majors

- Business Management
- Enterprise and Innovation
- Global Business

Taking a second major, even from another UWA bachelor's degree, is a great way to enhance your career prospects.

## Second majors could include:

- Accounting
- Communication and Media Studies
- Management
- Marketing
- Psychology in Society

[uwa.edu.au/study/bachelor-of-business](http://uwa.edu.au/study/bachelor-of-business)





# Business Management

## CAREER OPPORTUNITIES

Small business owner; manager in private, public or not-for-profit sectors

**Bachelor's degree:** Business or Philosophy (Honours)

This major covers the foundations of business and organisational management. It will give you a grounding in essential business knowledge, taking in technical and theoretical disciplines such as business reporting, economics, marketing and management principles, as well as key practical communications and data literacy skills. You'll also be able to put your knowledge into practice through a range of internships, industry projects or work integrated learning to further enhance your career options.

## Why study this course

- You'll be taught by globally renowned experts in management
- You'll develop key personal and project-based skills that are highly sought after in the modern workplace
- You'll gain real-world industry experience through our internship and work integrated learning programs

## You'll learn to

- apply knowledge from a broad range of disciplines to critically analyse applied business problems
- develop the required cognitive, creative and critical skills for lifelong learning
- be an effective and perceptive communicator to a wide variety of audiences

**Trending second majors:** Enterprise and Innovation; Global Business; Management; Marketing

[uwa.edu.au/study/business-management](http://uwa.edu.au/study/business-management)

[handbooks.uwa.edu.au/major/business-management](http://handbooks.uwa.edu.au/major/business-management)

# Enterprise and Innovation

## CAREER OPPORTUNITIES

Innovation strategist, consultant, entrepreneur

**Bachelor's degree:** Business or Philosophy (Honours)

If you want to develop your skills, knowledge and practical engagement with the principles of entrepreneurship and innovation in a local and global context, then this major is for you. You'll develop solution-based skills to complex real-world problems and learn to critically apply business solutions to them.

## Why study this course

- With our globally-recognised experts, you'll be able to develop your technical knowledge in the business of innovation
- You'll develop key transferable interpersonal and communications skills that are in high demand in the modern workplace
- Learn to combine technical and communications skills and apply them to real-world applications, by gaining access to industry experiences through our employability, internship and work integrated learning programs

## You'll learn to

- develop an understanding of the entrepreneurial process through exposure to theoretical concepts and current developments in the field
- identify and evaluate strategies that drive entrepreneurial performance and growth
- understand the process of innovation management in both small and large firms
- understand the new product development process and the role that customers play in product definition
- critically reflect on the contemporary marketing and management theories as they apply in small business management and in particular the ability of a small business to create and maintain a competitive advantage in the market

**Trending second majors:** Business Management; Marketing; Global Business; Chinese Studies

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/enterprise-and-innovation](http://uwa.edu.au/study/enterprise-and-innovation)

[handbooks.uwa.edu.au/major/enterprise-and-innovation](http://handbooks.uwa.edu.au/major/enterprise-and-innovation)

# Global Business

## CAREER OPPORTUNITIES

Business owner, business development manager, consultant, entrepreneur

### Bachelor's degree: Business or Philosophy (Honours)

Global Business is for students interested in developing key business skills within a broad international context. You'll engage with a range of issues across a number of different disciplines including the principles of international management, the future of work, and the social, cultural and economic implications for businesses of globalisation in the 21st century.

### Why study this course

- With our globally-recognised experts, you'll be able to develop your understanding of what it means to be a manager for an international business
- You'll develop an appreciation of the interpersonal communications skills required in an international context, which will enhance your ability to work in a culturally diverse workplace
- You'll combine these technical and communications skills and apply them to real-world applications, gaining access to industry experiences through our employability, internship and work integrated learning programs

### You'll learn to

- identify the key external and internal factors that influence the management of international organisations, and demonstrate how major management functions and skills vary as a result of managing organisations internationally
- recognise why and how ethics and corporate social responsibility vary when managing organisations internationally
- identify the key contextual issues affecting the formulation and implementation of an international business venture, and articulate appropriate responses to specific international business issues
- demonstrate an understanding of how personal and cultural values are related and differ within and across countries, and evaluate how people and their consumption are shaped by their environment and personal experiences
- communicate and work with people from diverse cultures

**Trending second majors:** Business Management; Human Resource Management; Engineering Science

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/global-business](http://uwa.edu.au/study/global-business)

[handbooks.uwa.edu.au/major/global-business](http://handbooks.uwa.edu.au/major/global-business)

## Sample study plan

Bachelor of Business with degree-specific major in Business Management and second major in Global Business

YR1	SEM 1	Management & Organisations	Business Reporting & Analysis	Law, Conflict & Change	Foundations of Global Business
	SEM 2	Introduction to Marketing	Business Communication for Change, Influence & Impact	Data Analytics for Business	Economics for Business
YR2	SEM 1	Human Resource Management	Asian Societies & Cultures	International Legal Institutions	International Management
	SEM 2	Project Management	Advertising & Promotion	The Contemporary International System	Rise of the Global Economy
YR3	SEM 1	Business Development Project (capstone)	Staffing Organisations	Globalisation and Work	Work Integrated Learning
	SEM 2	Strategic Management	Strategic Marketing	Applied International Business Strategy	Consumers Around the World

**Key:** ■ Business Management degree-specific major ■ Global Business second major ■ Broadening and elective units ■ Foundational units

# Bachelor of Commerce

**CRICOS code** 003006C

**UWA course code** BP002

**Minimum ATAR** 80 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$39,500 per year

## CAREER OPPORTUNITIES

Entrepreneur, marketer, accountant, managing director

Our Bachelor of Commerce develops your analytical, communication and problem-solving skills, providing you with a global perspective on business and preparing you to pursue a career within the private, government or not-for-profit sectors.

## Why study Commerce at UWA

- You'll learn from leading academics and develop high-level industry networks.
- UWA has partnered with Harvard Business School (HBX) so you'll have access to their online learning platform, HBX CORE, to further enrich your study.
- You'll have access to our award-winning real-time Trading Room simulation.
- There are many Business School student societies to join that will increase your base of industry connections and contacts.

## You'll learn to

- apply discipline-specific knowledge to critically analyse applied business problems
- confidently apply your skills in real-world situations through industry placements, projects and work integrated learning opportunities
- develop effective communication and team-based skills

## Majors

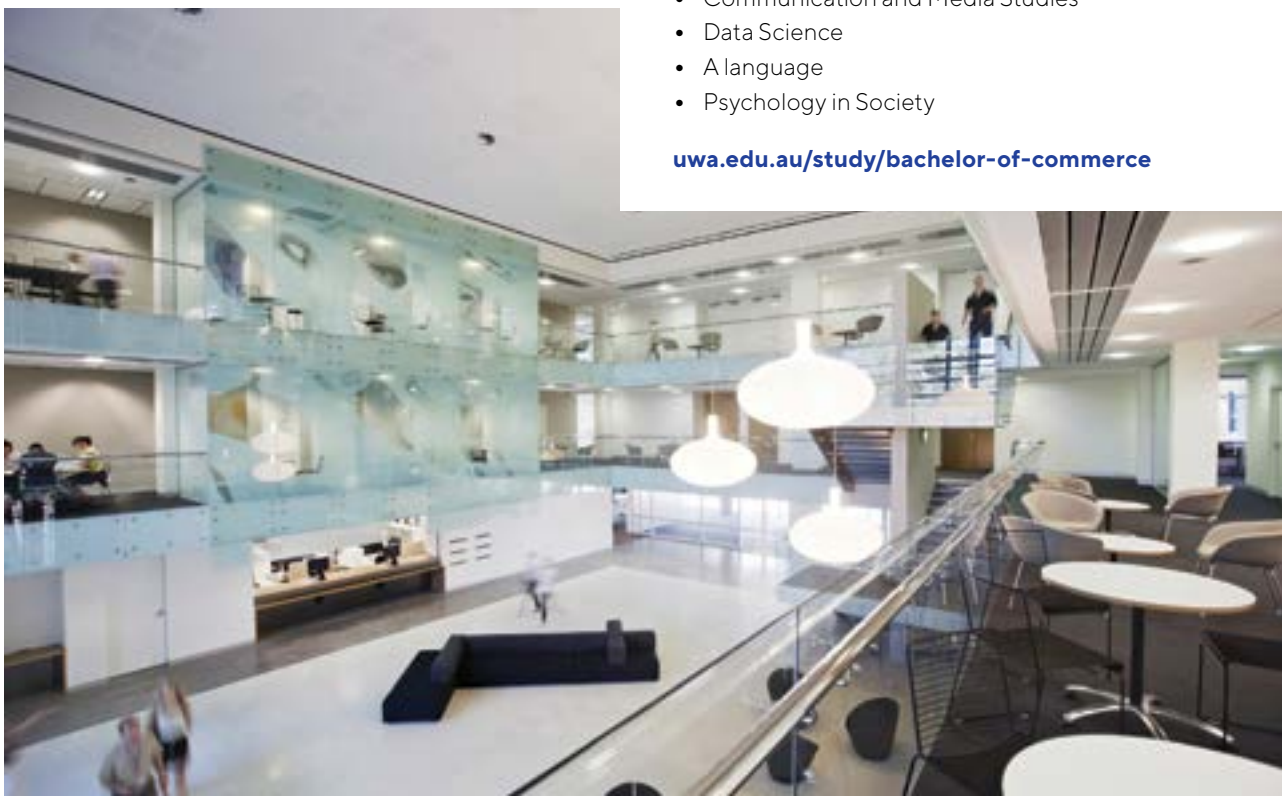
- Accounting
- Business Law
- Economics
- Finance
- Human Resource Management
- Management
- Marketing

Taking a second major, even from another UWA bachelor's degree, is a great way to enhance your career prospects.

## Second majors from different degrees could include:

- Communication and Media Studies
- Data Science
- A language
- Psychology in Society

[uwa.edu.au/study/bachelor-of-commerce](http://uwa.edu.au/study/bachelor-of-commerce)



# Accounting

## CAREER OPPORTUNITIES

Accountant, chief executive, managing director

**Bachelor's degree:** Commerce or Philosophy (Honours)

Accounting prepares you for a career across borders. Acknowledged as 'the language of business', accounting is spoken by all organisations – big and small – including government agencies and departments, and all not-for-profit institutions around the globe.

## Why study this course

- We are ranked in the world's top 100 for Accounting and Finance, and 1st in Western Australia (QS WUR by Subject 2020)
- This major is recognised by Australian and international professional bodies as a critical step towards gaining professional accreditation. You can seek accreditation with Chartered Accountants Australia and New Zealand, CPA Australia and the Institute of Public Accountants. Some additional electives may be required.

## You'll learn to

- prepare financial accounting reports
- analyse accounting information to evaluate business performance
- use accounting information for optimal resource allocation
- communicate the results of financial analysis

**Trending second majors:** Business Law; Finance; Marketing

### Prerequisites:

- Mathematics Applications ATAR **AND** a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/accounting](http://uwa.edu.au/study/accounting)

[handbooks.uwa.edu.au/major/accounting](http://handbooks.uwa.edu.au/major/accounting)

# Finance

## CAREER OPPORTUNITIES

Financial consultant, investment banker, financial analyst

**Bachelor's degree:** Commerce or Philosophy (Honours)

Finance is the lifeblood of the economy. Discover how managers make financial decisions, what influences the decisions of investors, the means by which companies obtain their financing, and the kinds of risks and rewards associated with financial choices.

## Why study this course

- We are ranked in the world's top 100 for Accounting and Finance, and 1st in Western Australia for Accounting and Finance (QS WUR by Subject 2020)
- Take a professional experience unit, which bridges the gap between university and the workplace by providing opportunities to gain hands-on, practical experience

## You'll learn to

- understand and explain the basis for optimal portfolio construction
- apply investment theory to the evaluation of projects
- appreciate the value and limitations of financial instruments such as options and futures
- identify and make use of appropriate risk-management techniques
- engage in critical debate on issues in finance

**Trending second majors:** Accounting; Economics; Engineering Science

### Prerequisites:

- Mathematics Applications ATAR **AND** a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/finance](http://uwa.edu.au/study/finance)

[handbooks.uwa.edu.au/major/finance](http://handbooks.uwa.edu.au/major/finance)

# Economics

## CAREER OPPORTUNITIES

Economist, finance manager, financial broker

**Bachelor's degree:** Commerce or Philosophy (Honours)

Economics is fundamental to understanding how individuals, firms, governments and nations interact as economic agents to allocate scarce resources across unlimited needs. This major provides a solid grounding in fundamental economic theory, reasoning and practice.

### Why study this course

- Understand the causes and consequences of the economic behaviours and interactions of individuals, firms, governments and nations
- Develop valuable skills in economic analysis and rigorous reasoning
- Provide a deeper economic grounding and broader perspective to complement other majors both within and outside of UWA's Business School

### You'll learn to

- analyse economic problems using micro- and macro-economics
- critically evaluate issues using economic research
- communicate the results of economic research to economists, business professionals, policymakers in government and the public at large
- work both as an individual analyst and as a member of a team while being aware of, and sensitive to, personal, social, ethnic and/or international backgrounds

**Trending second majors:** Business Law; Finance; Political Science and International Relations

#### Prerequisites:

- Mathematics Applications ATAR **AND** a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/economics](http://uwa.edu.au/study/economics)

[handbooks.uwa.edu.au/major/economics](http://handbooks.uwa.edu.au/major/economics)

# Management

## CAREER OPPORTUNITIES

Business administration manager, project manager, management consultant

**Bachelor's degree:** Commerce or Philosophy (Honours)

Management is the backbone of any organisation, providing organisational, operational, staffing and resourcing expertise that can be applied anywhere, anytime. Gain a comprehensive understanding of managing organisations effectively within different economic, social, political and legal contexts.

### Why study this course

- Learn from a diverse range of academic staff who bring to their teaching a combination of both management theory and practical application
- Balance core units with relevant and varied electives
- Participate in a work-based learning experience

### You'll learn to

- evaluate and understand key concepts, theories and practices important to the management of organisations
- diagnose situations and problems in organisations, and identify appropriate managerial actions
- understand the principles of ethical behaviour and social responsibility in management decision-making
- research management-related issues, topics and problems

**Trending second majors:** Engineering Science; Human Resource Management; Marketing

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/management](http://uwa.edu.au/study/management)

[handbooks.uwa.edu.au/major/management](http://handbooks.uwa.edu.au/major/management)

# Human Resource Management

## CAREER OPPORTUNITIES

Human resource professional, management consultant, recruitment consultant

**Bachelor's degree:** Commerce or Philosophy (Honours)

Managing people is a valuable skill required by all managers in all industries. By studying Human Resource Management, you'll explore how the proper management of employees contributes to strategic staffing and organisational effectiveness.

## Why study this course

- Engage with a wide range of experienced lecturers who bring both practical and research experience to their teaching
- Interact with real-world problems through course content and regular contact with industry practitioners
- Participate in a work-based learning experience

## You'll learn to

- identify and analyse concepts and techniques
- explain the importance, purpose and objectives of HR
- gain an awareness of the internal and external factors that influence HR
- apply learning about HR concepts to practical contexts and issues

**Trending second majors:** Management; Marketing; Psychology in Society

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/human-resource-management](http://uwa.edu.au/study/human-resource-management)

[handbooks.uwa.edu.au/major/human-resource-management](http://handbooks.uwa.edu.au/major/human-resource-management)

# Work and Employment Relations

## CAREER OPPORTUNITIES

Human resource professional, management consultant, workplace relations adviser

**Bachelor's degree:** Arts or Philosophy (Honours)

This multidisciplinary course blends politics, law, sociology, economics, history and more to investigate and challenge the policies and institutions designed to help both employers and employees get the most out of their relationship.

## Why study this course

- Study across multiple disciplines
- You'll apply theory to real-life problems
- Interact with a diverse range of academics and industry personnel

## You'll learn to

- understand key concepts, theories and practices in employment relations
- gain perspectives on the transformation of work and society, drawn from relevant social and legal studies
- apply theories to practical contexts and issues
- understand the interests of workers, unions, managers, employers and the state within the workplace and the broader social context of work
- formulate appropriate responses to relevant policy and managerial issues
- understand the principles of ethical behaviour and social responsibility in organisations
- work with and manage teams

**Trending second majors:** Human Resources Management; Management; Political Science and International Relations

[uwa.edu.au/study/work-and-employment-relations](http://uwa.edu.au/study/work-and-employment-relations)

[handbooks.uwa.edu.au/major/work-and-employment-relations](http://handbooks.uwa.edu.au/major/work-and-employment-relations)

# Marketing

## CAREER OPPORTUNITIES

Advertising professional, brand manager, digital marketer, marketing manager

**Bachelor's degree:** Commerce or Philosophy (Honours)

Do you want to know why customers choose certain products and brands, and what influences these decisions? Studying marketing provides you with the understanding and skills needed to align customer needs to an organisation's output of goods, services or information.

## Why study this course

- Marketing is vital to business performance, and there is strong growth for marketing graduates (joboutlook.gov.au, 2019)
- Gain the frameworks and knowledge you need to translate data into insights, develop and test new products and services, and create a digital marketing campaign and competitive marketing strategy
- Focus on entrepreneurship and new business development, with significant local industry participation from organisations such as Metrix Consulting, Destination Perth, *PerthCool* Magazine and The Higher Mix

## You'll learn to

- apply various components of marketing to create customer value
- critically analyse customer decision-making and customer-facing interactions
- research and analyse market opportunities
- evaluate both personal and an organisation's communication strategies

**Trending second majors:** Communication and Media Studies; Psychology in Society; Management

### Prerequisites:

- Mathematics Applications ATAR **AND** a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics and statistics units

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/marketing](http://uwa.edu.au/study/marketing)

[handbooks.uwa.edu.au/major/marketing](http://handbooks.uwa.edu.au/major/marketing)

# Communication and Media Studies

## CAREER OPPORTUNITIES

Editor, media planner, social media manager, content developer, journalist, advertising professional

**Bachelor's degree:** Arts or Philosophy (Honours)

Explore your interest in the ever-changing worlds of digital media, social media, journalism, video-making, interactive media and games, while perfecting your ability to express, persuade and argue. This major provides you with practical training in communication and digital-media skills, alongside essential theoretical knowledge, to teach you how to be an effective and powerful communicator.

## Why study this course

- Gain sought-after skills in creativity, problem-solving, teamwork, project management and persuasion
- Learn to use the latest digital and multimedia tools
- Become a versatile, creative and responsible communicator

## You'll learn to

- engage in creative, critical and reflective thinking, and be able to express yourself eloquently and effectively
- use a range of production tools
- work collaboratively to manage complicated tasks and produce media content to professional standards
- develop a critical understanding of cultural and ethical implications associated with media and communication

**Trending second majors:** English and Literary Studies; Marketing; Political Science and International Relations

[uwa.edu.au/study/media-studies](http://uwa.edu.au/study/media-studies)

[handbooks.uwa.edu.au/major/media-studies](http://handbooks.uwa.edu.au/major/media-studies)

## Business Law

### CAREER OPPORTUNITIES

Accountant, investment banker, policy and planning manager

**Bachelor's degree:** Commerce or Philosophy (Honours)

This major focuses on the fundamental relationship between law and business, and is ideal for those planning careers in a range of business areas, including professional accounting, business management, online commerce, international trade and industrial relations. It will equip you with important skills in teamwork and communication, as well as high-level analytical, problem-solving and research skills.

### Why study this course

- The legal knowledge behind business is highly sought after by employers, as personal liability and contracts are vital parts of working in the corporate sector
- You'll gain the analytical skills to hold you in good stead for a career in business
- Business Law is an essential area of study for the age of electronic commerce and digitalisation

### You'll learn to

- understand the Australian legal system and legal aspects of business
- recognise and analyse potential legal problems that can arise from common business transactions
- intelligently request, understand and act on legal services and advice
- acquire practical skills such as simulation of contract management
- use transferable analytical, communication, teamwork, problem-solving and self-management skills

**Trending second majors:** Accounting; Economics; Finance

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/business-law](http://uwa.edu.au/study/business-law)

[handbooks.uwa.edu.au/major/business-law](http://handbooks.uwa.edu.au/major/business-law)

## Law and Society

### CAREER OPPORTUNITIES

Human resources professional, teacher, lobbyist

**Bachelor's degree:** Arts or Philosophy (Honours)

From human rights, crime and justice to indigenous rights, freedom of expression and religion, social media and the law, this major explores the impact of legal and social policy on all areas of our lives. Through this major you'll understand, apply and adapt concepts in socio-legal studies while developing skills in research analysis, teamwork and communication.

### Why study this course

- We offer a fascinating range of broad units as an excellent foundation of law
- You'll develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- You'll improve your analytical and research skills
- Learn about current and critical topics in law today, such as terrorism and using the internet for advocacy and activism

### You'll learn to

- critique legal and social policy nationally and globally, in the context of various topics
- understand concepts in law and policy
- gain transferable interpersonal, analytical, teamwork, research and communication skills

**Trending second majors:** Business Law; Political Science and International Relations; Psychology in Society

[uwa.edu.au/study/law-and-society](http://uwa.edu.au/study/law-and-society)

[handbooks.uwa.edu.au/major/law-and-society](http://handbooks.uwa.edu.au/major/law-and-society)





# Criminology

## CAREER OPPORTUNITIES

Corrective services officer, community development worker, youth worker

### Bachelor's degree: Arts or Philosophy (Honours)

Criminology allows you to study crime and criminal justice while drawing on perspectives from a range of disciplines including law, psychology, history, anthropology, forensic science and geography. This major will challenge you to apply criminological theory to analyse contemporary challenges relating to crime, victimisation, crime prevention and the criminal justice system.

### Why study this course

- Get a fascinating look into crime and the justice system
- You'll be taught by criminologists, historians, geographers, forensic scientists, anthropologists and psychologists
- This major pairs well with many other majors

### You'll learn to

- understand the breadth of issues in contemporary criminology and the criminal justice system
- critique crime and criminal law
- use transferable creative thinking, teamwork and problem-solving skills

**Trending second majors:** Anthropology and Sociology; Business Law; Law and Society; Psychology in Society

[uwa.edu.au/study/criminology](http://uwa.edu.au/study/criminology)

[handbooks.uwa.edu.au/major/criminology](http://handbooks.uwa.edu.au/major/criminology)

### Sample study plan

Bachelor of Arts with degree-specific major in Criminology and second major in Psychology in Society

YR1	SEM 1	Psychology: Mind and Brain	Social Psychology of Work	French Studies 1	Introduction to Law
	SEM 2	Crime and Society	McCusker Centre for Citizenship Internship	French Studies 2	Psychology: Behaviour in Context
YR2	SEM 1	Criminal Justice Systems	Introduction to Quantitative Methods in Psychology	French Studies 3	Psychology and Social Behaviour
	SEM 2	Mysteries of Forensic Science	Society, Law and Politics	Wild Card: Interdisciplinary Approaches to Real World Problems	Psychological Measurement and Its Application
YR3	SEM 1	Logic: How to Defeat Your Foes with Reasoning	Birth, Life, Death and the Law	Psychological Science in the Modern World	Cognitive Neuroscience
	SEM 2	Crime, Justice and Public Policy	Ethnography: Methodological Perspectives	Gender and the Law	Industrial and Organisational Psychology

Key: ■ Criminology degree-specific major ■ Psychology in Society second major ■ Broadening and elective units

# Bachelor of Philosophy, Politics and Economics

**CRICOS code** 102865B

**UWA course code** BP012

**Minimum ATAR** 90 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$33,000 per year

## CAREER OPPORTUNITIES

Diplomat, economic/political journalist, policy adviser

All important social issues – climate change, health care, inequality, political participation, criminal justice and much more besides – have philosophical, political and economic dimensions. UWA's Bachelor of Philosophy, Politics and Economics is a rigorous course of study which equips you to engage with these issues from a uniquely interdisciplinary perspective.

## Why study Philosophy, Politics and Economics at UWA

- UWA is the only university in Western Australia to offer a Bachelor of Philosophy, Politics and Economics
- You'll study all three disciplines with leading experts in their respective fields – in particular, academics whose research straddles the three disciplines
- The program includes specially designed interdisciplinary units of study, where you'll bring the tools of all three disciplines to bear upon pressing social, political and economic questions

## You'll learn to

- apply the tools of each discipline to problems with political, philosophical and economic dimensions (e.g. inequality, criminal justice, climate change) and so learn to think about complex social issues in a genuinely interdisciplinary manner
- study how insights from each of the three disciplines bear upon issues in the others
- apply invaluable critical thinking and analytical skills, and see how they can be deployed in a wide variety of contexts

[uwa.edu.au/study/bachelor-of-philosophy-politics-and-economics](http://uwa.edu.au/study/bachelor-of-philosophy-politics-and-economics)





## Law (Juris Doctor)

Direct Pathway

**CRICOS CODE:** 089786C

**UWA COURSE CODE:** 20820

**INTAKE:** Semester 1

**MASTER'S COMPLETION:** 3 years full time

**MASTER'S TUITION FEES:** AUD\$44,900.00 per year

The Juris Doctor provides comprehensive training and a prestigious qualification for a successful career as a lawyer. The UWA Juris Doctor is Western Australia's only postgraduate qualifying degree with which graduates can apply for admission as a lawyer with the Legal Practice Board of Western Australia, and the qualification is also recognised in China, Malaysia and Singapore.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA Grade Point Average of at least 5.5, or a Weighted Average Mark of 65 per cent

**ATAR:** 96, or 98 via BPhil (Hons)

[uwa.edu.au/study/juris-doctor](http://uwa.edu.au/study/juris-doctor)

## Master of Commerce

Graduate Pathway

**CRICOS CODE:** 083272M

**UWA COURSE CODE:** 41680

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5 years full time

**MASTER'S TUITION FEES:** AUD\$40,700.00 per year

The Master of Commerce is an ideal next step for recent graduates seeking to develop further expertise to pursue a career in business. It is suited to graduates with a non-business degree seeking a postgraduate qualification in business, as well as business graduates wanting to add new areas of specialisation to their skill set to broaden their career opportunities.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree with a UWA Weighted Average Mark of at least 60 per cent

[uwa.edu.au/study/m/commerce](http://uwa.edu.au/study/m/commerce)

**TOP**  
UNIVERSITY  
IN PERTH FOR  
COMPUTER SCIENCE

(TIMES HIGHER EDUCATION  
WORLD UNIVERSITY  
RANKINGS, 2021)



# Data and Computer Science

Through interpreting the data and computer science behind technological advances, we help to develop and create ways to improve everyday lives. Join us and gain the knowledge you need for an exciting career in this field.

From mobile data and cloud computing to artificial intelligence and advanced software development, a degree in this field enables you to tackle technological challenges and devise innovative solutions to transform the way we live.

After graduating, you could choose to enter a career or specialise further with our postgraduate courses in Business Analytics, Business Information and Logistics Management, Data Science and Information Technology.

**The Pawsey Supercomputing Centre** is a national high-performance computing facility located in Perth. Magnus is the centre's flagship machine, a world-class petascale supercomputer and one of the most powerful in the country. It's used by students and academics to crunch massive data sets for everything from high-energy physics to mining and petroleum, medical research and multimedia.

## Top five reasons to study Data and Computer Science at UWA

- Our courses have been developed in consultation with industry to equip students with the skills to succeed in their future careers.
- You'll develop an interdisciplinary skill set, equipping you with critical thinking and soft skills demanded by industry, along with technical skills necessary to analyse large amounts of data.
- Our lectures are given by globally renowned experts in the field, who are engaged in world-leading research.
- Our graduates are in high demand, with many going on to roles at Google and Facebook and working internationally.
- Data and computer science are part of just about everything that touches our lives. Understanding the different dimensions of computing is fundamental to understanding business, science and society.



### UWA Ethical Hacking Group

The UWA Ethical Hacking group is for any student who is interested in learning more about the theory and practice of cybersecurity. You can participate in competitions and explore interests in hacking networks, computers and other devices. The knowledge and skills gained can be applied in understanding how to build secure products, and also gives you first-hand experience for a job in this area of cybersecurity. You can also use the Ethical Hacking Group as a platform for gaining industry certification in cybersecurity and offensive cybersecurity.

“I chose to study Computer Science because I enjoyed programming when I was in high school. I like the way programming allows me to turn my ideas into a working system, and I really enjoy the projects we do in the Computer Science units. For example, I had to develop an AI that could play a card game. We got them to play against each other in a tournament and my AI was victorious. I want to develop an AI that is as smart as a human.”

**LAUREN**

BACHELOR OF SCIENCE – COMPUTER SCIENCE AND DATA SCIENCE

# Bachelor of Advanced Computer Science (Honours)

**CRICOS code** 102867M

**UWA course code** BH008

**Minimum ATAR** 92 or equivalent

**Intake months** February and July

**Completion** 4 years full time

**2021 tuition fees** AUD\$40,100 per year

## CAREER OPPORTUNITIES

Management consultant, AI or cybersecurity specialist, data scientist, data architect, software developer

From mobile data and cloud computing to artificial intelligence and advanced software development, UWA's Bachelor of Advanced Computer Science (Honours) gives you the tools and techniques to embrace technological challenges and devise innovative solutions to transform the way we live.

Whether you choose to specialise in AI, international cybersecurity or computing and data science majors, you'll gain the relevant practical skills, knowledge and connections to forge an exciting career developing new technologies and advanced programming to overcome challenges in business, science and society.

With real-world industry experiences via your internships and work integrated learning, this degree will help you kickstart your career in the exciting computer science fields of AI, international cybersecurity and data.

## Why study Advanced Computer Science (Honours) at UWA

- Working alongside industry partners and inspiring researchers and fellow students will give you hands-on experience and connections with future employers working on real-world projects
- You'll develop key personal, communication, problem-solving, creative and project-based skills valued in the modern workplace
- Your in-demand skills in computer science will give you an edge in almost any industry and workplace setting, and your specialised knowledge in AI, cybersecurity or data science will set you apart as an expert in these growing fields

## You'll learn to

- apply discipline-specific knowledge to identify and overcome business challenges and help organisations achieve their goals
- develop the cognitive, technical and research skills for lifelong learning
- develop effective communication and team-based skills

[uwa.edu.au/study/bachelor-of-advanced-computer-science](http://uwa.edu.au/study/bachelor-of-advanced-computer-science)



# Artificial Intelligence

## CAREER OPPORTUNITIES

AI engineer, business intelligence developer, AI interaction developer, AI specialist

**Bachelor's degree:** Advanced Computer Science (Honours) or Philosophy (Honours)

This course will equip you with the skills and knowledge to understand, evaluate, design and implement artificial intelligence systems. You'll study the philosophical context for AI in real-world applications, and get hands-on practice in contemporary AI, from knowledge representation to deep learning, developing in-demand skills and leadership qualities.

## Why study this course

- You'll be in high demand in the rapidly expanding artificial intelligence industry. Artificial Intelligence Specialist was the number one emerging job on LinkedIn in 2020
- AI and machine learning is valued at every level of business, from high-level decision making to operations, and you'll have a wide choice of career paths – AI skills are in high demand in consulting companies, higher education, engineering design and consulting services, software publishing, computer system design, resource sector and financial services
- You'll be able to transform organisations and industries by leading the integration of AI to improve processes, efficiencies and quality so we work smarter, not harder

## You'll learn to

- understand, evaluate, design and implement AI systems
- implement contemporary AI techniques, from knowledge representation, to deep learning, developing in-demand skills and leadership qualities for an exciting career in AI
- apply the legal, ethical, social and philosophical context for AI technologies to real-world settings
- work effectively as a team member and a leader for practical AI projects
- extend knowledge in AI through research, experimentation and analysis

**Prerequisite:** Mathematics Methods ATAR

[uwa.edu.au/study/acsh-artificial-intelligence](http://uwa.edu.au/study/acsh-artificial-intelligence)

[handbooks.uwa.edu.au/major/advanced-computer-science-honours-artificial-intelligence](http://handbooks.uwa.edu.au/major/advanced-computer-science-honours-artificial-intelligence)

# International Cybersecurity

## CAREER OPPORTUNITIES

Cybersecurity specialist, information technology specialist, software engineer, information specialist

**Bachelor's degree:** Advanced Computer Science (Honours) or Philosophy (Honours)

This course prepares you for specialist cybersecurity roles with a global perspective. You'll gain the practical skills and knowledge to lead creation, implementation and management of secure computer systems across a range of exciting career paths. You'll be able to protect people and their data from cyber attacks as you draw on your studies across international relations, ethics and law.

## Why study this course

- As a cybersecurity expert, you'll be in high demand
- According to LinkedIn Professional Jobseeker data, cybersecurity specialists are in the top five emerging careers, and the Federal Government estimates a need for 18,000 more cybersecurity employees by 2023\*
- Studying contemporary international politics in the context of cybersecurity will give you the breadth of understanding and technical knowledge employers are looking for
- You can apply your skills to make a real difference, by keeping nations, communities, organisations and individuals safe from cyber crime

## You'll learn to

- create, operate, analyse and test secure systems
- detect, analyse and confront cybersecurity challenges
- use mathematical, technical and business tools to secure information systems across a range of industries
- work effectively as a team member and as a team leader
- extend knowledge in cybersecurity through research, experimentation and analysis

## Prerequisite:

- Mathematics Methods ATAR

[uwa.edu.au/study/acsh-international-cybersecurity](http://uwa.edu.au/study/acsh-international-cybersecurity)

[handbooks.uwa.edu.au/major/advanced-computer-science-cybersecurity](http://handbooks.uwa.edu.au/major/advanced-computer-science-cybersecurity)

\* "Skills Organisations – Pilots", Department of Employment, Skills, Small and Family Business, 2019

# Computing and Data Science

## CAREER OPPORTUNITIES

Data scientist, data analyst, business intelligence analyst, data architect, data and analytics manager

**Bachelor's degree:** Advanced Computer Science (Honours) or Philosophy (Honours)

This course will prepare you with the knowledge and practical skills in data science technologies for data collection, cleaning, conversion, analysis, visualisation, interpretation, storage, search, synthesis and cloud management, putting you in high demand in the growing data science job market.

## Why study this course

- Working alongside industry partners and inspiring researchers and fellow students will give you hands-on experience and connections with future employers working on real-world projects. Your in-demand skills in data science will give you an edge in almost any industry and workplace setting
- You'll be able to apply your business and technical knowledge to identify and overcome business challenges and help organisations achieve their goals
- You'll learn how to make evidence-based and data-driven decisions, becoming a valuable problem-solver in your workplace

## You'll learn to

- apply data visualisation, interpretation, storage and synthesis skills in complex real-world settings
- use predictive modelling to forecast future trends, outcomes and scenarios
- understand the opportunities and constraints of contemporary data science practice as it applies in various industries
- work effectively as a team member and as a team leader on real-world data science projects
- communicate data science, modelling and analytics clearly in oral, graphical and written formats
- extend your knowledge in data science through research, experimentation and analysis

**Prerequisite:** Mathematics Methods ATAR

[uwa.edu.au/study/acsh-data-science](http://uwa.edu.au/study/acsh-data-science)

[handbooks.uwa.edu.au/major/advanced-computer-science-honours-data-science](http://handbooks.uwa.edu.au/major/advanced-computer-science-honours-data-science)





# Computer Science

## CAREER OPPORTUNITIES

Software developer, systems administrator, web developer

**Bachelor's degree:** Science or Philosophy (Honours)

Computing software and systems are integral parts of our daily routine, revolutionising the world in which we live. This major provides you with the knowledge and skills required to participate in that revolution. Develop knowledge of theoretical, algorithmic, implementation and systems principles that underpin computer languages and networks, while learning how to develop new technologies and advanced programming techniques.

## Why study this course

- This course has been developed in consultation with industry to equip you with the skills to succeed in your future career and is professionally accredited by the Australian Computer Society (ACS)
- Learn from academics who are engaged in world-leading research
- Computing is a necessary advantage in the skill set of an educated person in the 21st century

## You'll learn to

- develop and implement systems-level software
- understand the technologies that allow humans and computers to interact through the medium of visual data, including graphics and animation that underpin the computer games and multimedia industries
- deconstruct problems with software engineering principles, while designing and implementing solutions in diverse, contemporary programming languages
- understand and implement algorithms and their operations in depth; the basis of search, problem-solving learning and decision-making in complex and intelligent systems

**Trending second majors:** Engineering Science; Data Science; Mathematics and Statistics

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with an additional mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/computer-science](http://uwa.edu.au/study/computer-science)

[handbooks.uwa.edu.au/major/computer-science](http://handbooks.uwa.edu.au/major/computer-science)

# Cybersecurity

## CAREER OPPORTUNITIES

Cybersecurity specialist, information technology specialist, software engineer

**Bachelor's degree:** Science or Philosophy (Honours)

With a major in Cybersecurity from UWA, you'll be ready for a range of specialist cybersecurity roles. With industry-integrated learning, you'll gain the knowledge, techniques, tools and practical skills to lead creation, implementation and management of secure computer systems, protecting people and their data from cyber attacks.

## Why study this course

- As a cybersecurity expert, you'll be in high demand. According to LinkedIn Professional Jobseeker data, cybersecurity specialists are in the top five emerging careers. And the Federal Government estimates a need for 18,000 more cybersecurity employees by 2023\*
- The Cybersecurity major will provide you with the deep technical understanding employers are looking for
- You can apply your tech skills and passion for computer science to make a real difference, keeping organisations and individuals safe from cyber crime

## You'll learn to

- create, operate, analyse and test secure computer systems
- detect, analyse and confront cybersecurity challenges
- use mathematical, technical and business tools to secure information systems across a range of industries and real-world settings
- work effectively as a team member and as a team leader for real-world cybersecurity projects
- communicate cybersecurity and encryption processes and results clearly in oral and written formats

**Trending second majors:** Data Science; Computer Science; Engineering Science

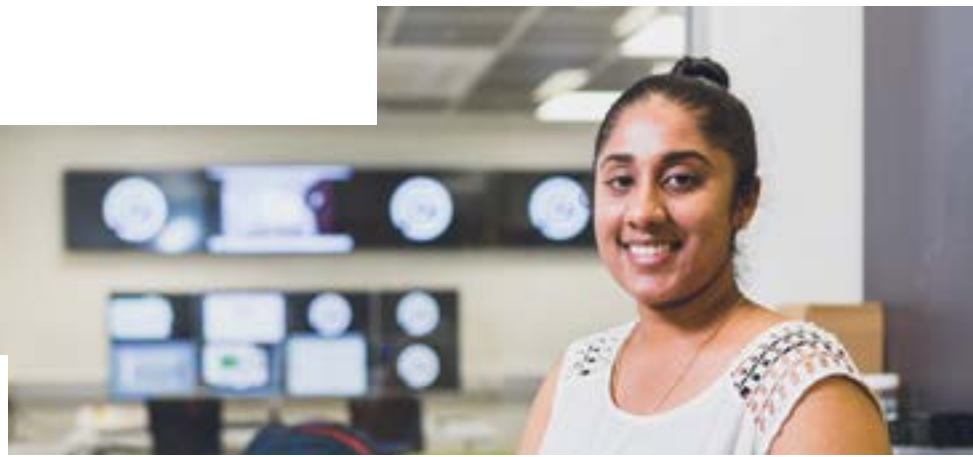
### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with an additional mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

[uwa.edu.au/study/cybersecurity](http://uwa.edu.au/study/cybersecurity)

[handbooks.uwa.edu.au/major/cybersecurity](http://handbooks.uwa.edu.au/major/cybersecurity)

\* 'Skills Organisations - Pilots', Department of Employment, Skills, Small and Family Business, 2019



# Data Science

## CAREER OPPORTUNITIES

Programmer/developer, analyst, developer

### Bachelor's degree: Science or Philosophy (Honours)

Data analysis and computing skills are increasingly valuable in a number of careers. Professional organisations use data extensively for information analysis, storage, communication and distribution. This major provides diverse graduate options through a focus on modern applications of computing and data resources, from data collection to conversion, visualisation, interpretation, storage, synthesis and predictive modelling.

### Why study this course

- Gain an interdisciplinary skill set by learning to analyse large amounts of data
- Learn from world-renowned experts in this field
- This course is professionally accredited by the Australian Computer Society (ACS)

### You'll learn to

- apply computational and statistical techniques to analyse diverse real-world datasets
- construct data science analyses in incremental and integrated stages
- explain ethical and social aspects, and opportunities and constraints of contemporary data-science practice
- demonstrate the ability to work effectively as a team member and leader for real-world data science projects

**Trending second majors:** Computer Science; Finance; Engineering Science

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with an additional mathematics unit taken in the first year
- Students without ATAR Mathematics will take two additional first-year mathematics units

[uwa.edu.au/study/data-science](http://uwa.edu.au/study/data-science)

[handbooks.uwa.edu.au/major/data-science](http://handbooks.uwa.edu.au/major/data-science)

## Sample study plan

Bachelor of Science with degree-specific major in Data Science and second major in Computer Science\*

YR1	SEM 1	Computational Thinking with Python	Statistics for Science	Dynamic Planet	Software Engineering with Java
	SEM 2	Relational Database Management Systems	Organisational Learning and Innovation	Drawing History	Cultures, New Media and Communications
YR2	SEM 1	Analysis of Experiments	Data Structures and Algorithms	Organisational Behaviour	Digital Media
	SEM 2	Introduction to Data Science	Analysis of Observations	Systems Programming	Algorithms, Agents and Artificial Intelligence
YR3	SEM 1	Data Warehousing	Agile Web Development	Computer Networks	Graphics and Animation
	SEM 2	Professional Computing	Statistical Learning	Cybersecurity	Work and the Law

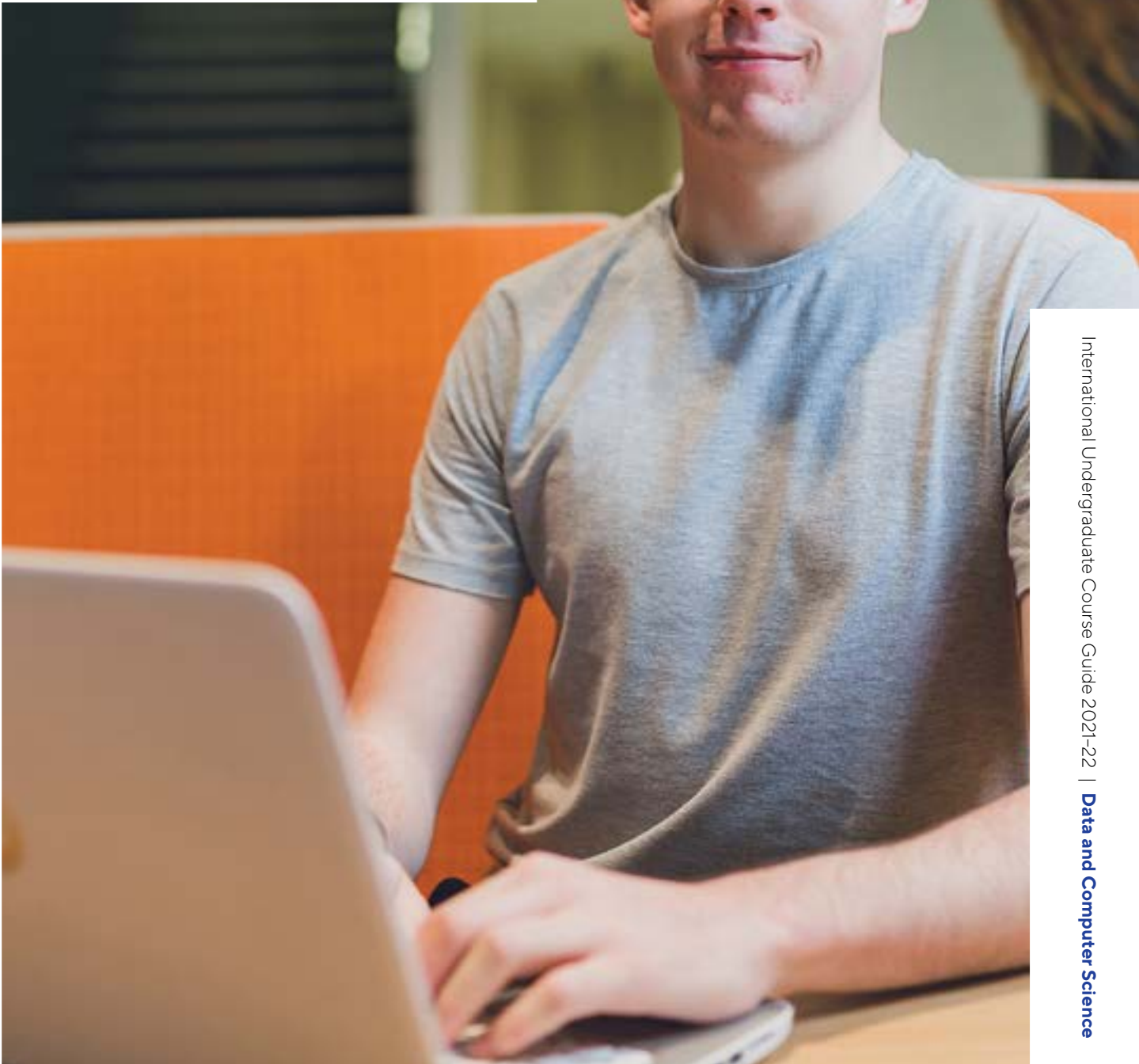
**Key:** ■ Data Science degree-specific major ■ Computer Science second major ■ Broadening and elective units

\* This plan takes into account all prerequisites and recommended prerequisites for the Data Science and Computer Science units.

“What I’ve enjoyed most is that we are given the opportunity to work on real projects for industry clients, better preparing us for our careers. I have attended countless industry information and careers events, completed a summer internship and secured degree-relevant part-time work.”

**LINCOLN**

BACHELOR OF SCIENCE - DATA SCIENCE AND  
COMPUTER SCIENCE



# Education

At the forefront of teacher education for more than 100 years, the UWA Graduate School of Education offers Master of Teaching courses that qualify you for a highly rewarding career as a primary or secondary teacher.

ONE OF THE  
**TOP 6**  
UNIVERSITIES IN  
AUSTRALIA OFFERING  
EDUCATION  
COURSES  
(QS 2021)

## Top five reasons to study teaching at UWA

- By first completing a bachelor's degree you can develop deep expertise in your chosen areas relevant to teaching.
- Enrolling in a Master of Teaching after your bachelor's degree sets you apart from other teachers and gives you a competitive edge in getting the teaching roles you want. It gives you a qualification that enables you to teach in Australia and beyond.
- You can complete your Master of Teaching in three-quarters of the standard time and graduate with two degrees in as little as four-and-a-half years.
- The combination of a bachelor's and a master's degree will ensure you have the specialist knowledge and skills to excel as a teacher, as well as the flexibility to explore other career options in your field.
- You'll learn from experienced and passionate education experts.

## Our teaching courses

We offer teaching courses informed by comprehensive and contemporary understandings of childhood development and learning. There will be opportunities to practise your teaching skills in authentic settings throughout the course and in professional practice placements.

### Master of Teaching (Secondary)

Gain an in-depth knowledge of the theory and the practical skills required to teach Years 7 to 12. Your subject area expertise, coupled with this sought-after teaching qualification, will see you thrive in the global knowledge society.

[uwa.edu.au/study/m/teaching-secondary](https://uwa.edu.au/study/m/teaching-secondary)

### Master of Teaching (Primary)

This course focuses on the education and preparation of primary school educators. You'll be introduced to the breadth of learning required of primary children, including science, the humanities and social science, the arts, and health and physical education. You'll focus on the interface between play-based learning and intentional teaching, with a special emphasis on the skills children need in developing literacy and numeracy.

[uwa.edu.au/study/m/teaching](https://uwa.edu.au/study/m/teaching)



“One of the most satisfying aspects of my role at UWA is the opportunity and privilege to mentor students and be a part of their journey to becoming a teacher. I really enjoy getting to know my students over the course of their degree and maintaining contact after they have graduated, when they share their stories, successes and challenges.”

**DR GEMMA SCARPAROLO**  
LECTURER IN EDUCATION AT UWA

# Pathways to becoming a teacher

You can apply for a bachelor's degree and a Master of Teaching together via our Graduate Pathways. Or, complete a bachelor's degree first and apply for the Master of Teaching when you're ready.

## Graduate Pathway entry requirements

To get a place in a Master of Teaching graduate pathway, you'll need to meet the required ATAR for your chosen bachelor's degree, and any prerequisites for your desired undergraduate major(s).

## Master of Teaching entry requirements

To be able to enter the Master of Teaching, you must complete enough relevant units in your bachelor's degree.

- **For secondary teaching:** at least six units in relevant disciplines (including two at Level 2 and two at Level 3) for a major teaching area, which will enable you to teach Years 7 to 12. You can also choose a minor teaching area (enabling you to teach Years 7 to 10) if you complete at least four units in relevant disciplines during your bachelor's degree, including two at Level 2.
- **For primary teaching:** at least eight units relevant to one or more learning areas in the primary curriculum.

You'll also need to achieve the required Weighted Average Mark (WAM) in your bachelor's degree and complete a satisfactory personal statement. Before commencing professional practice placements, you'll need to obtain a Working With Children Check.

## Next steps

The Master of Teaching is accredited by the Teacher Registration Board of Western Australia (TRBWA). Graduates are eligible to register with TRBWA, and this entitles you to be legally employed as a teacher in a Western Australian school.

After gaining some experience, you may choose to advance your career by pursuing further postgraduate study with our courses in Education.

“The highly relevant units and support from teaching staff were what made this course enjoyable. The teaching staff were always there to help, and made tutorials and workshops relatable to our practicums.”

**INDIANNA**

MASTER OF TEACHING (SECONDARY)



## We offer seven curriculum areas within the Master of Teaching (Secondary)

### IF YOU WANT TO TEACH... CONSIDER MAJORING IN\*...

<b>English</b>	English and Literary Studies; Linguistics
<b>Health and Physical Education</b>	Exercise and Health; Sport Science
<b>Humanities and Social Sciences</b>	Classics and Ancient History; Economics; Geographical Sciences; History; Human Geography and Planning; Indigenous Knowledge, History and Heritage; Law and Society
<b>Languages Education</b>	Chinese Studies; French Studies; German Studies; Indonesian Studies; Italian Studies; Japanese Studies
<b>Maths</b>	Mathematics and Statistics; Data Science; Engineering Science; Physics
<b>Music</b>	Electronic Music and Sound Design; Music Studies; Music (Double Major)
<b>Science</b>	Agricultural Science; Anatomy and Human Biology; Biochemistry and Molecular Biology; Geographical Sciences; Geology; Marine Science; Neuroscience; Pharmacology; Physics; Physiology; Psychology

Please refer to the individual majors for prerequisites and recommended subjects.

\* Suggested majors only. Eligibility for the Master of Teaching courses will be assessed based on the specific units completed. Please seek advice from the Graduate School of Education during your bachelor's degree to ensure your unit selections meet the requirements for entry to your chosen Master of Teaching specialisation.

# Engineering

Engineering is a force to create profound change and improvement in society. At UWA, our goal is to produce independent graduate engineers who are empowered to change the world and seek solutions to humanity's greatest challenges.

Embarking on an engineering pathway at UWA allows you to develop logical thinking and crucial analytical skills, preparing you for a career in a number of highly paid engineering fields. To ensure you're ready for a rapidly changing workforce, the UWA School of Engineering has developed leading courses in close consultation with industry.

Your studies will provide you with an in-depth understanding of the social needs that drive innovation, and prepare you to meet upcoming global needs, from creating some of the world's biggest buildings to designing minuscule electronic devices that make a large impact.

In your first year of Engineering at UWA, you'll gain a broad understanding and sample all of the specialisations on offer:

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Mechanical Engineering
- Mining Engineering
- Software Engineering

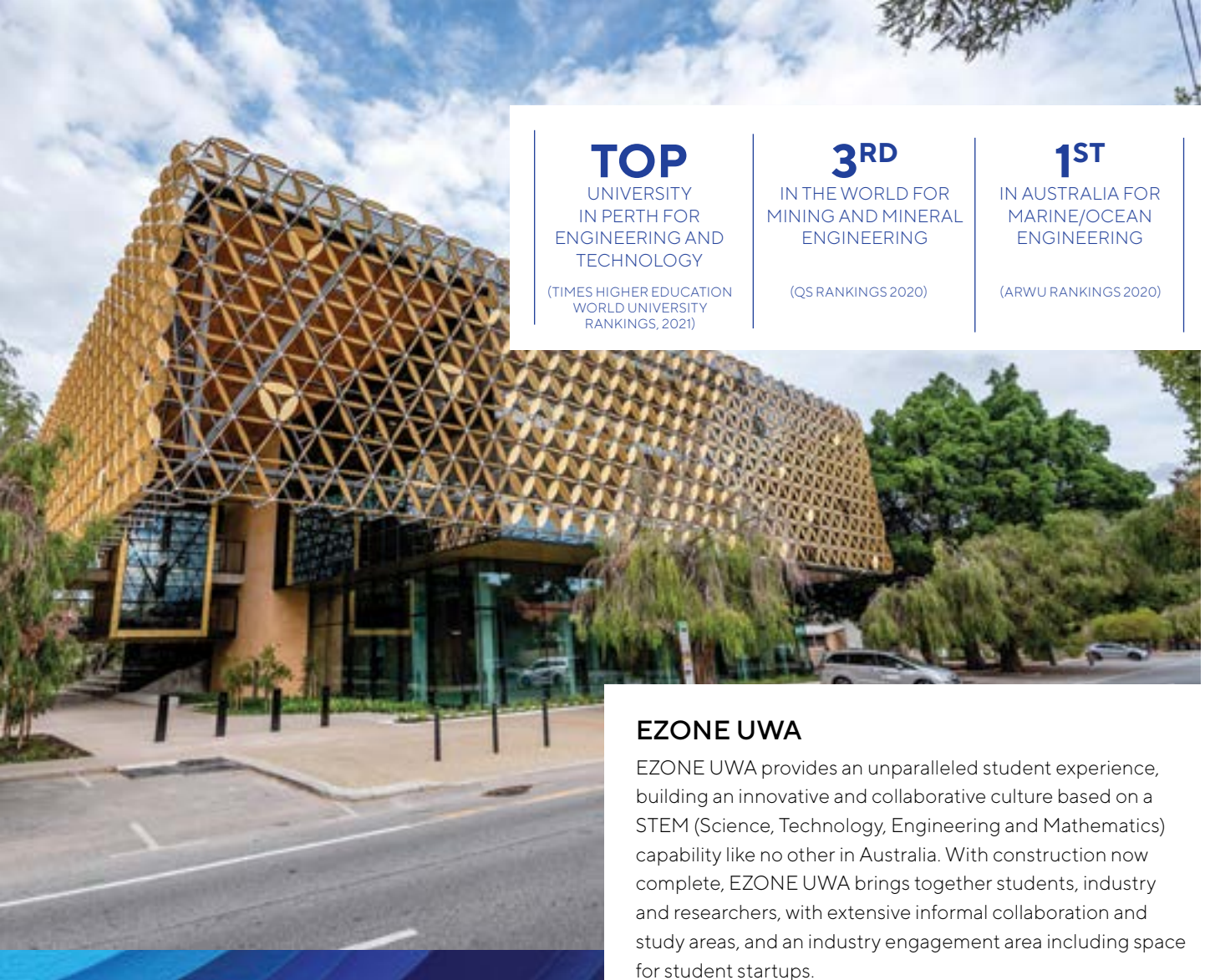
In the following years, you will be able to focus on the area of engineering that interests you the most, preparing for further study at postgraduate level and professional accreditation.

## Top five reasons to study Engineering at UWA

- Collaborate with industry leaders to develop practical skills that prepare you for a global engineering career.
- Take our Master of Professional Engineering to graduate with a higher-level qualification and wider international recognition than other WA universities.
- With practical, hands-on learning built on a strong technical foundation, you'll gain the in-demand skills to deliver major projects on time, safely and within budget.
- With UWA's strong links with industry and engineering alumni, you'll make valuable connections throughout your studies and graduate with the professional skills ready to step into your engineering career.
- Learn from dedicated, engaged lecturers with professional experience and knowledge.





**TOP**UNIVERSITY  
IN PERTH FOR  
ENGINEERING AND  
TECHNOLOGY(TIMES HIGHER EDUCATION  
WORLD UNIVERSITY  
RANKINGS, 2021)**3RD**IN THE WORLD FOR  
MINING AND MINERAL  
ENGINEERING

(QS RANKINGS 2020)

**1ST**IN AUSTRALIA FOR  
MARINE/OCEAN  
ENGINEERING

(ARWU RANKINGS 2020)

**EZONE UWA**

EZONE UWA provides an unparalleled student experience, building an innovative and collaborative culture based on a STEM (Science, Technology, Engineering and Mathematics) capability like no other in Australia. With construction now complete, EZONE UWA brings together students, industry and researchers, with extensive informal collaboration and study areas, and an industry engagement area including space for student startups.



“The Direct Pathway into Engineering was the perfect choice for me. It made the transition from my bachelor’s degree to the Master of Professional Engineering seamless, while also giving me the flexibility to complete a second major in Geology.”

**EMMA**

MASTER OF PROFESSIONAL ENGINEERING DIRECT PATHWAY



# Engineering Science

## CAREER OPPORTUNITIES\*

Biomedical engineer, chemical engineer, civil engineer, electrical and electronic engineer, environmental engineer, mechanical engineer, mining engineer, software engineer

### Bachelor's degree: Science or Philosophy (Honours)

The Engineering Science major is your pathway to the Master of Professional Engineering and a global career as a professional engineer. Develop a strong foundation in engineering including communication, teamwork and problem-solving skills. Learn through a combination of theory, practical hands-on activities, and real-world projects. Be supported to become an independent graduate engineer who is empowered to change the world.

## Why study this course

- It is the pathway to the accredited Master of Professional Engineering
- Combine the Engineering Science major with a range of second majors or industry-recommended electives to pursue your interests and employment ambitions
- UWA has an international reputation as a world leader in engineering practice research

## You'll learn to

- apply natural and physical sciences to engineering disciplines
- apply mathematical, numerical, statistical and computational sciences that underpin engineering disciplines
- understand the ethical, social, environmental and financial accountabilities, opportunities and constraints of contemporary engineering practice
- be an effective team member and show leadership
- communicate effectively in professional and non-technical domains
- use your strong grounding in engineering sciences and design principles to solve real-world problems

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**Trending second majors:** Finance; Computer Science; Physics

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### Prerequisite:

- Mathematics Methods ATAR

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**Recommended subjects:** Mathematics Specialist ATAR, Chemistry ATAR and Physics ATAR<sup>1</sup>

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**NOTE:** To be eligible for the **Direct Pathway** to Engineering, you must complete Mathematics Methods ATAR

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[uwa.edu.au/study/engineering-science](http://uwa.edu.au/study/engineering-science)

[handbooks.uwa.edu.au/major/engineering-science](http://handbooks.uwa.edu.au/major/engineering-science)

\* Upon completion of Master of Professional Engineering.

<sup>1</sup> If you are missing one or more of the recommended ATAR subjects, you'll need to take additional specified units in the first year, depending on the number of missing subjects.

## Sample study plan

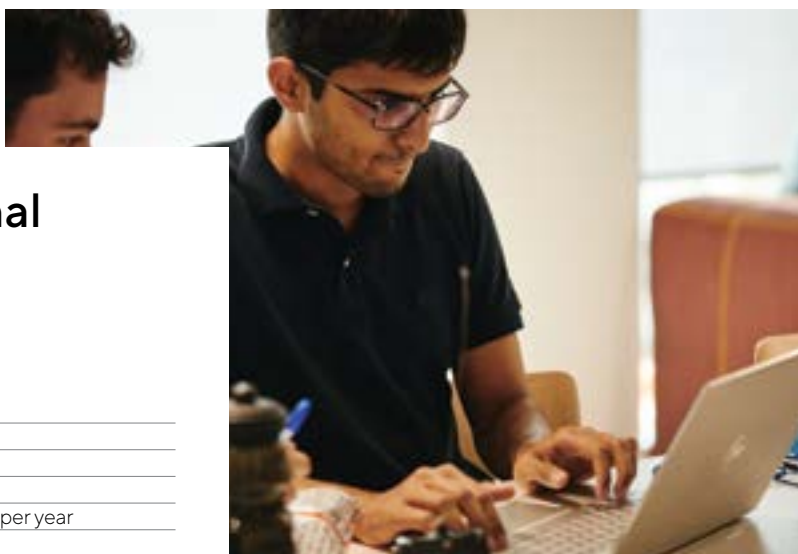
Bachelor of Science with degree-specific major in Engineering Science (Chemical Engineering specialisation) and second major in Finance.

YR1	SEM 1	Multi-variable Calculus	Engineering Materials	Chemistry – Structure and Reactivity	Financial Accounting
	SEM 2	Mathematical Theory and Methods	Engineering Mechanics	Introduction to Professional Engineering	Introduction to Finance
YR2	SEM 1	Engineering Electrical Fundamentals	Computer Analysis and Visualisation	Financial Planning	Business Analysis and Valuation
	SEM 2	Mass and Energy Balances	Heat and Mass Transfer	Corporate Financial Policy	Management Accounting
YR3	SEM 1	Fluid Mechanics	Chemical Process Thermodynamics	Investment Analysis	Banking: Theory and Practice
	SEM 2	Process Synthesis and Design	Unit Operations and Unit Processes	Trading in Securities Markets	Music in the Sixties

**Key:** ■ Engineering Science degree-specific major ■ Finance second major ■ Broadening and elective units

\* This plan takes into account all prerequisites for the Engineering Science and Finance units.

As an Engineering student, the flexibility to tailor your electives also provides a great way to broaden your employment opportunities and career options once you graduate. As an example, you can combine your engineering specialisation with units from finance, law, accounting or Asian studies, giving you a competitive edge in a wider range of industries and roles.



## Master of Professional Engineering

### Direct Pathway

**CRICOS CODE:** 081025J

**UWA COURSE CODE:** 62550

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$42,200 per year

The Master of Professional Engineering is your pathway to becoming an Engineers Australia-accredited engineer, with the practical skills, professional knowledge and connections to work across the globe. Working alongside industry partners, inspiring researchers and peers, you'll get hands-on experience with work integrated learning and real-world projects in your chosen engineering specialisation. For example, if you're interested in a career in the oil and gas industry, you can specialise in Chemical Engineering, Civil Engineering, Electrical and Electronic Engineering or Mechanical Engineering.

You can now also enter the Master of Professional Engineering Direct Pathway via the Bachelor of

Automation and Robotics (with an ATAR of 88.00), and choose to specialise in Electrical and Electronic, Mechanical or Software Engineering.

#### Prerequisites:

- Mathematics Methods ATAR
- Mandatory undergraduate major: Engineering Science **OR** Bachelor of Automation and Robotics
- Completion of a bachelor's degree with a major in Engineering Science and a UWA Weighted Average Mark of at least 50 per cent **OR** completion of the Bachelor of Automation and Robotics

**ATAR:** 80 or 88.via BAR, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/professional-engineering](http://uwa.edu.au/study/m/professional-engineering)

# Bachelor of Automation and Robotics

**CRICOS code** 102862E

**UWA course code** BP007

**Minimum ATAR** 88 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$40,100 per year

## CAREER OPPORTUNITIES

Automation lead, robotics system developer, robotics and automation technician, automation consultant, systems designer

This course will provide you with the broad multidisciplinary knowledge and skills that industry requires of people working in robotics, automation and Industry 4.0. Combining relevant aspects from all engineering disciplines, software development, electronic hardware design and mechatronics, this course will cover the principles, design and operation of industrial robot manipulators as well as intelligent autonomous robots and self-driving vehicles.

## Why study Automation and Robotics at UWA

- Robotics, automation, artificial intelligence and Industry 4.0 are high-growth areas, with strong demand for skills and knowledge
- Along with the technical expertise, you'll develop the multidisciplinary professional skills and breadth of knowledge industry is seeking
- You can continue to the Master of Professional Engineering and become an accredited engineer with sought-after automation and robotic expertise. Robotics is increasingly instrumental in engineering projects with remote operating systems

## You'll learn to

- work in advanced manufacturing, mechatronics, digital systems, microprocessors and embedded systems, factory automation, manufacturing and automotive industries
- design digital and embedded systems
- develop code for automation and robotics applications
- integrate software, electronic hardware and mechanical systems to perform a specified function

## Prerequisites:

- Scaled score of at least 50 in Mathematics Methods ATAR
- At least two of Mathematics Specialist ATAR, Physics ATAR or Chemistry ATAR

## Recommended subjects:

All three Mathematics Specialist ATAR, Physics ATAR and Chemistry ATAR are recommended. If you have only two of these, you will need to complete a bridging unit in your first year.

This course is available in the Direct Pathway to the Master of Professional Engineering. If you'd like to graduate as an accredited Professional Engineer, you should choose the Master of Professional Engineering Direct Pathway via the Bachelor of Automation and Robotics.

[uwa.edu.au/study/bachelor-of-automation-and-robotics](http://uwa.edu.au/study/bachelor-of-automation-and-robotics)



# Bachelor of Automation and Robotics/Master of Professional Engineering

## Direct Pathway

### CAREER OPPORTUNITIES

Robotics engineer, automation consultant, systems designer, mechanical engineer, software engineer, electrical engineer



By entering the Master of Professional Engineering pathway via our Bachelor of Automation and Robotics, you'll build a foundation in automation and robotics, then become an accredited engineer specialising in either Software Engineering, Mechanical Engineering or Electrical and Electronic Engineering.

This course combines relevant aspects from all engineering disciplines, software development, electronic hardware design and mechatronics, covering the principles, design and operation of industrial robot manipulators as well as intelligent autonomous robots and self-driving vehicles, setting you up for a career as an engineer with in-demand skills in a rapidly growing field.

### Why study this course

- Robotics, automation, artificial intelligence and Industry 4.0 are high-growth areas, with strong demand for skills and knowledge in this field
- Robotics is increasingly instrumental in engineering projects with remote operating systems, and robotics engineer is in LinkedIn's top 10 emerging careers
- This course brings together relevant aspects of mechanical, electrical and software engineering, with a strong focus on robotics and automation

### You'll learn to

- work in advanced manufacturing, mechatronics, digital systems, microprocessors and embedded systems, factory automation, manufacturing and automotive industries
- design, develop and operate smart machines
- design digital and embedded systems
- develop code for automation and robotics applications
- integrate software, electronic hardware and mechanical systems to perform specified functions

### Prerequisites:

- Scaled score of at least 50 in Mathematics Methods ATAR
- At least two of Mathematics Specialist ATAR, Physics ATAR or Chemistry ATAR

### Recommended subjects:

All three Mathematics Specialist ATAR, Physics ATAR and Chemistry ATAR are recommended. If you have only two of these, you will need to complete a bridging unit in your first year.

[uwa.edu.au/study/automation-and-robotics-pathway](http://uwa.edu.au/study/automation-and-robotics-pathway)

# Health and Biomedical Sciences

Are you passionate about advancing the health and wellbeing of communities? Studying Health and Biomedical Sciences at UWA will develop your analytical, technical and problem-solving skills, and provide you with the knowledge and practical experience for careers as diverse as clinical practice, medical research or public health.

Studying Health and Biomedical Sciences means you can pursue your interests in and gain an understanding of areas including human function, pathology, exercise science, psychology, or social perspectives of health and health management, preparing you for a career generating solutions to key global challenges.

You may choose to pursue a career in areas such as research, training, policy, planning or management. Studies in this area also provide excellent preparation for the Doctor of Medicine or Doctor of Dental Medicine.

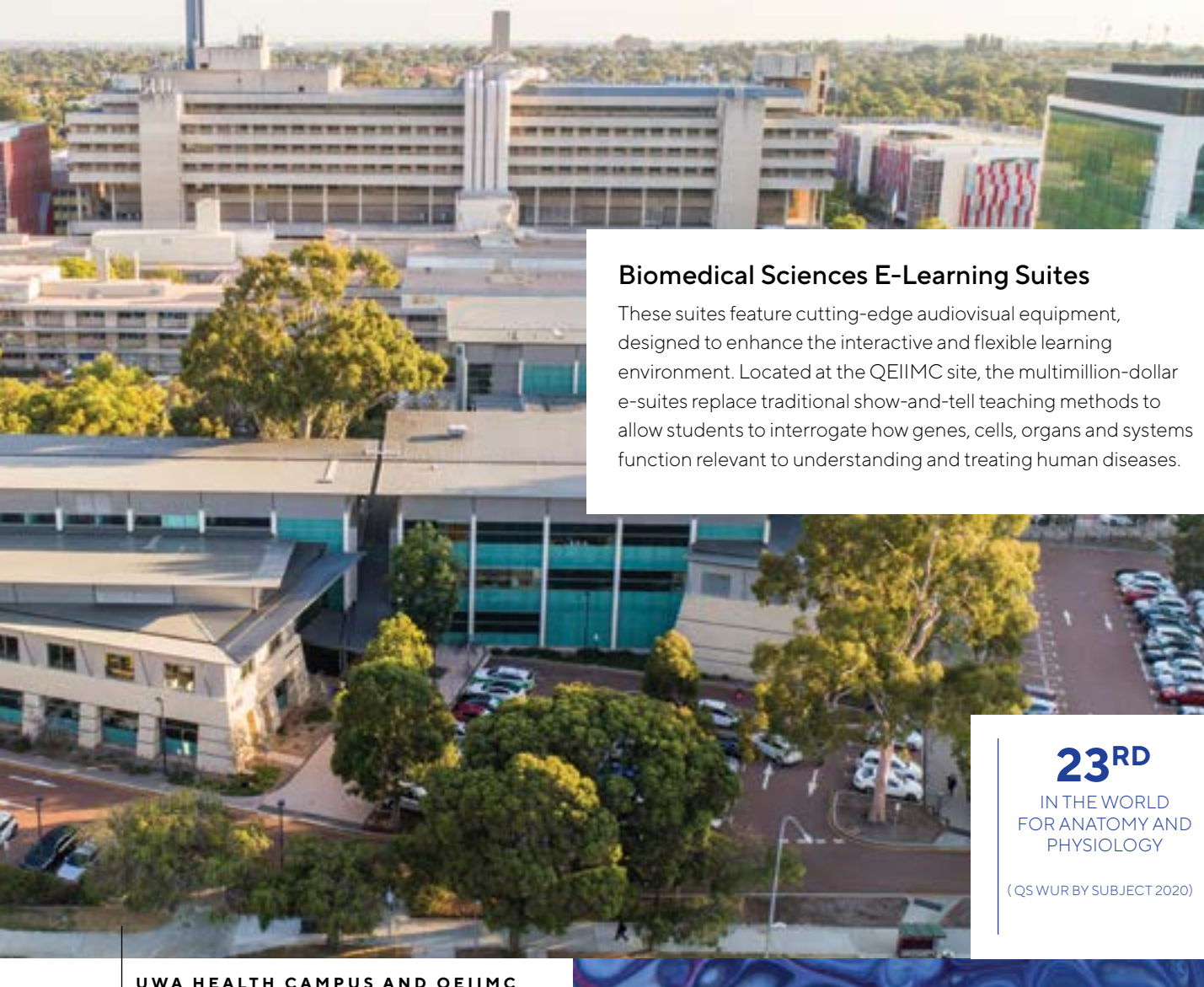
## Notable alumni

Professor Barry J. Marshall, UWA's most recognised alumnus, was awarded the 2005 Nobel Prize alongside Emeritus Professor Robin Warren for their discovery of the stomach ulcer-causing *Helicobacter pylori* bacterium. Professor Marshall continues to lead UWA research teams within the Marshall Centre for Infectious Diseases Research and Training.

## Top five reasons to study Health and Biomedical Sciences at UWA

- Your practical studies may include laboratory-based learning, industry placements or research projects, to offer you real-world experience.
- Some classes are taught at the UWA Health Campus, located on the QEIIIMC site in Nedlands. It's the largest medical centre in the Southern Hemisphere and surrounded by major public hospitals and internationally renowned organisations.
- You'll be taught by leading experts in their field, many of whom have won national teaching awards.
- You'll gain the essential knowledge and skills to meet the growing global demand for graduates with health expertise.
- UWA is ranked 29th in the world for Clinical Medicine and 33rd for Human Biological Sciences (ARWU 2020).





### Biomedical Sciences E-Learning Suites

These suites feature cutting-edge audiovisual equipment, designed to enhance the interactive and flexible learning environment. Located at the QEIIIMC site, the multimillion-dollar e-suites replace traditional show-and-tell teaching methods to allow students to interrogate how genes, cells, organs and systems function relevant to understanding and treating human diseases.

**23<sup>RD</sup>**  
IN THE WORLD  
FOR ANATOMY AND  
PHYSIOLOGY

(QS WUR BY SUBJECT 2020)

UWA HEALTH CAMPUS AND QEIIIMC



“The lab aspects of my course are exceptional and focus on the student’s expertise and skills in a lab, prepping us for future careers in the same field.”

#### RAINBOW

BACHELOR OF BIOMEDICAL SCIENCE - MICROBIOLOGY AND IMMUNOLOGY

UWA has the most comprehensive range of health and science postgraduate courses in WA, giving you a wide choice of options to further specialise at postgraduate level.

Our exciting pathways to a professional career in health include medicine, dentistry, public health, infectious diseases and clinical pathology.

You can also join the in-demand allied health industry through a postgraduate qualification in optometry, pharmacy, podiatric medicine, psychology, social work, nutrition, exercise and health, or sport science.

# Aboriginal Health and Wellbeing

## CAREER OPPORTUNITIES

Health promotion officer, social worker\*, health and welfare services manager, health policy adviser

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

This major provides you with a solid grounding in the many factors that influence the health and wellbeing of Aboriginal peoples, families and communities in Australia, and an understanding of particular health problems and their impacts within Aboriginal communities, as well as practical experience in Aboriginal health settings.

## Why study this course

- Gain a greater understanding of the challenges and health and wellbeing of Aboriginal Australians
- Undergo practical experience in community-based settings to prepare you for work in the industry
- Work towards the Government's Closing the Gap initiative, addressing Aboriginal and Torres Strait Islander disadvantages in health, education and employment

## You'll learn to

- understand strategies, policies and practices to improve Aboriginal community-led health and wellbeing initiatives
- demonstrate strong knowledge of human biology, assisting in evaluating the biological evidence about disease mechanisms
- demonstrate practical experience in Aboriginal health settings
- develop the skill set required to work in a team environment, including oral and written communication, time and information management, professional behaviour and interpersonal skills, and project management

**Trending second majors:** Indigenous Knowledge; History and Heritage; Humanities in Health and Medicine; Population Health

### Prerequisite:

- Mathematics Applications ATAR **OR** higher-level mathematics **OR** a mathematics unit taken in the first year

[uwa.edu.au/study/aboriginal-health-and-wellbeing](http://uwa.edu.au/study/aboriginal-health-and-wellbeing)

[handbooks.uwa.edu.au/major/aboriginal-health-and-wellbeing](http://handbooks.uwa.edu.au/major/aboriginal-health-and-wellbeing)

\* Postgraduate study required

# Exercise and Health

## CAREER OPPORTUNITIES

Sports development officer, health and fitness coordinator

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

A major in Exercise and Health ensures you will graduate with a broad knowledge and understanding of how behaviour influences health. In a rapidly evolving health sector where we are facing challenges of an ageing population and sedentary lifestyles, you'll be at the forefront of creating positive change in the behaviour of individuals and the broader community.

## Why study this course

- Become a leader in a growing and dynamic industry where work opportunities are wide and varied
- Be taught by award-winning academics, former world-class athletes and industry leaders
- If you are passionate about how sport and exercise play a vital part in a person's general health, this major will provide you with the key skills to fulfil your interest

## You'll learn to

- understand the relationship between human structural, functional and behavioural characteristics, and how to develop, maintain and promote a fit and healthy lifestyle and lifespan
- give an accurate assessment of health indicators and the prescription of exercise for apparently healthy individuals
- demonstrate excellence, creativity and intellectual exploration

**Trending second majors:** Physiology; Psychology in Society; Anatomy and Human Biology

### Prerequisite:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/exercise-and-health](http://uwa.edu.au/study/exercise-and-health)

[handbooks.uwa.edu.au/major/exercise-and-health](http://handbooks.uwa.edu.au/major/exercise-and-health)



# Anatomy and Human Biology



## CAREER OPPORTUNITIES

Sleep scientist, science educator, assisted reproductive technician

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

The Anatomy and Human Biology major explores the fascinating concept of what it means to be human, combining studies of the education, behaviour and biology of human beings with current social and ethical issues. Study topics as diverse as human functional anatomy, genetics, variation and evolution, reproduction, and embryology and growth.

## Why study this course

- Discover how and why your body works, where people come from and how we are related
- Benefit from a practical, hands-on major
- 23rd in the world for Anatomy and Physiology (QS 2020)

## You'll learn to

- understand the structural, functional and genetic biology of humans
- demonstrate familiarity with human biology, including genetics, functional morphology, histology and cell biology, evolutionary ecology, and biological anthropology
- engage in holistic, interconnected thinking

**Trending second majors:** Biochemistry and Molecular Biology; Chemistry

## Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

[uwa.edu.au/study/anatomy-and-human-biology](http://uwa.edu.au/study/anatomy-and-human-biology)

[handbooks.uwa.edu.au/major/anatomy-and-human-biology](http://handbooks.uwa.edu.au/major/anatomy-and-human-biology)

## Sample study plan

Bachelor of Science with degree-specific major in Anatomy and Human Biology and second major in Physiology

YR1	SEM 1	Human Biology I: Becoming Human	Introduction to Marketing	Communicating Science	Drugs that Changed the World
	SEM 2	Human Biology II: Being Human	Psychology: Behaviour in Context	Issues in Women's Health Across the Lifespan	Neuroscience in Society
YR2	SEM 1	Human Structure and Development	Physiology of Human Body Systems	The Darwinian Revolution	Science Writing
	SEM 2	Human Reproductive Biology	Physiology of Cells	Science Work Placement	Marketing Research
YR3	SEM 1	Cells, Tissues and Development	Human Biology: Applications and Investigations	Physiology of Membranes	Physiology of Cardiovascular and Respiratory Systems
	SEM 2	Human Structure and Function	Human Reproduction	Physiology of Nutrition and Metabolism	Physiology of Integrated Organ Function

**Key:** ■ Anatomy and Human Biology degree-specific major ■ Physiology second major ■ Broadening and elective units

# Biochemistry of Nutrition

(Double Major)

## CAREER OPPORTUNITIES

Nutritional biochemist, dietitian, health promotion officer

**Bachelor's degree:** Science or Philosophy (Honours)

Are you interested in the role of nutrition in reducing morbidity and improving health? Nutritional biochemistry focuses on nutrient chemical components and how they function metabolically, physiologically and biochemically, as well as their impact on disease.

## Why study this course

- Develop an understanding of the evidence behind the association of nutrition, exercise and predominant lifestyle diseases (diabetes, obesity, cardiovascular diseases, hypertension, osteoporosis and cancer)
- Understand nutrition at a molecular level, and the molecular processes related to nutrition
- Academic studies and learning hands-on lab skills will prepare you for work in industry or research

## You'll learn to

- develop biochemical and nutrition knowledge with particular reference to recent developments in nutritional sciences
- use techniques from modern research laboratories to develop technical laboratory and research skills
- understand the importance of exercise and the role of micronutrients and macronutrients in maintaining health and preventing lifestyle diseases

### Prerequisites:

- Chemistry ATAR **OR** an additional chemistry unit taken in the first year\*
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subject:** Biology ATAR or Human Biology ATAR\*

[uwa.edu.au/study/biochemistry-of-nutrition-double-major](http://uwa.edu.au/study/biochemistry-of-nutrition-double-major)

[handbooks.uwa.edu.au/major/biochemistry-of-nutrition](http://handbooks.uwa.edu.au/major/biochemistry-of-nutrition)

\* Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Biochemistry and Molecular Biology

## CAREER OPPORTUNITIES

Biochemist, geneticist, pharmacist\*

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

What are genes? How do hormones work? What goes wrong in a cancer cell? If these questions are of interest, then the Biochemistry and Molecular Biology major may be for you. This major investigates how the natural world works. You'll gain an insight into the mechanisms of evolution, growth, development, reproduction and disease, plus tools to improve our quality of life.

## Why study this course

- Molecular biologists are needed in a spectrum of career fields
- Work with advanced lab equipment like cloning kits, DNA synthesisers, electron guns and temperature cyclers
- Study the molecular functions of all living organisms

## You'll learn to

- demonstrate understanding of the theoretical basis of biochemistry and molecular biology
- apply critical analysis and the application of scientific method to biochemical problems
- show technical competency in basic laboratory skills including solution preparation, qualitative and quantitative analytical methods, and operation of general laboratory equipment
- effectively communicate biochemical and molecular biological knowledge in both written and oral forms

**Trending second majors:** Genetics; Pharmacology; Pathology and Laboratory Medicine

### Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year<sup>1</sup>
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subject:** Biology ATAR\*

[uwa.edu.au/study/biochemistry-and-molecular-biology](http://uwa.edu.au/study/biochemistry-and-molecular-biology)

[handbooks.uwa.edu.au/major/biochemistry-and-molecular-biology](http://handbooks.uwa.edu.au/major/biochemistry-and-molecular-biology)

\* Postgraduate study required

<sup>1</sup> Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Genetics

## CAREER OPPORTUNITIES

Forensic scientist, geneticist, genetic counsellor

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

This course will give you understanding of the universal principles, potentials and problems associated with DNA-based life. You'll learn how traits are inherited, how genetic processes control development and diseases, and how and why genomes are studied.

## Why study this course

- Learn how traits are inherited, and how genetic processes control development and diseases
- Benefit from hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations
- Open up to various career opportunities in agriculture, biochemistry, botany, conservation biology and more

## You'll learn to

- appreciate that genetics is a cornerstone of the biological sciences
- demonstrate knowledge of how traits are inherited, and the molecular nature of these patterns, and how genetic processes control development and disease and are affected by the environment and evolution
- demonstrate skills in critical thinking, experimental design, data analysis and interpretation, and teamwork

**Trending second majors:** Biochemistry and Molecular Biology; Neuroscience; Pathology and Laboratory Medicine; Conservation Biology

## Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year\*
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR Mathematics will take two first-year mathematics units

**Recommended subject:** Biology ATAR or Human Biology ATAR\*

[uwa.edu.au/study/genetics](http://uwa.edu.au/study/genetics)

[handbooks.uwa.edu.au/major/genetics](http://handbooks.uwa.edu.au/major/genetics)

\* Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Humanities in Health and Medicine

## CAREER OPPORTUNITIES

Health educator, health researcher, community health practitioner, healthcare administrator

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

The major in Humanities in Health and Medicine is an interdisciplinary, humanistic and cultural study of health, illness, healthcare, and the human body, mind and spirit. You'll be prepared to care for people by bringing the traditions of humanities, inquiry, compassion and judgement to bear on the management and promotion of health and the treatment of illness.

## Why study this course

- UWA offers the first Australian undergraduate major in Humanities in Health and Medicine
- Humanities in Health and Medicine is a rapidly evolving field that looks at the meaning of health, illness and disease for people in the context of the social worlds in which they live and work
- It's ideal for those who are planning a career in healthcare and who are passionate about community health and health education

## You'll learn to

- demonstrate perspectives derived from the humanities in analysing approaches and practices related to health and medicine
- explore and understand connections between health and medicine and the arts, including literature, music and visual arts
- demonstrate understanding of the historical, cultural, religious and political contexts of theories and practices related to health and medicine

**Trending second majors:** Physiology; Psychological Science

**Recommended subject:** Mathematics Applications ATAR **OR** higher-level mathematics unit taken in the first year

[uwa.edu.au/study/health-humanities](http://uwa.edu.au/study/health-humanities)

[handbooks.uwa.edu.au/major/health-humanities](http://handbooks.uwa.edu.au/major/health-humanities)

\* Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Integrated Medical Sciences and Clinical Practice

(Double Major)

## CAREER OPPORTUNITIES\*

Medical practitioner

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

This double major is only available to students who are offered a Direct Pathway to the Doctor of Medicine. It draws on all biomedical scientific disciplines to understand and manage human disease and illness, and commences foundational learning about the roles of a doctor.

## Why study this course

- Gain a strong foundation in the disciplines of biomedical science, clinical knowledge, clinical skills and professional behaviour
- Prepare for continued study in the Doctor of Medicine through a Direct Pathway (if successful in completing the IMSCP double major, students will be eligible for credit towards the Doctor of Medicine [and a shorter six-year pathway])
- UWA is ranked 29th in the world for Clinical Medicine and 33rd for Human Biological Sciences (ARWU 2020)

## You'll learn to

- demonstrate sound knowledge in anatomy, physiology, biochemistry, genetics, immunology, haematology, microbiology, anatomical pathology and pharmacology
- apply clinically relevant aspects of biomedical science and the principles of clinical reasoning to core medical conditions and presentations
- demonstrate medical history-taking and physical examination, along with an understanding of the patient perspective and quality patient-centred care

### Prerequisites:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year
- Chemistry ATAR **OR** a chemistry unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

**NOTE:** Only available to students who are offered a Direct Pathway to the Doctor of Medicine. February intake only.

[uwa.edu.au/study/integrated-medical-sciences](http://uwa.edu.au/study/integrated-medical-sciences)

[handbooks.uwa.edu.au/major/integrated-medical-sciences](http://handbooks.uwa.edu.au/major/integrated-medical-sciences)

\* Postgraduate study required

# Medical Sciences

## CAREER OPPORTUNITIES\*

Dentist, podiatrist, pharmacist

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

Medical Sciences integrates knowledge of how the human body functions, how it reacts to disease, and pharmacological treatment for disease, with the skills needed to enter a range of clinical and academic health professions.

## Why study this course

- Gain knowledge of anatomy, biochemistry, microbiology, pathology, histology, genetics, pharmacology, population health and physiology
- Undertake practical laboratory sessions and workshops to develop pre-clinical scientific knowledge
- Prepare for continued study in the Doctor of Dental Medicine or Doctor of Podiatric Medicine through a Direct Pathway (if successful in completing this major, students may be eligible for credit towards their chosen course)

## You'll learn to

- understand human anatomy, physiology, biochemistry, genetics, immunology and haematology
- recognise common pathologies, prevalence and incidence of disease and viable treatments, including pharmacological interventions
- practise medical research methodologies and health promotion via multiple modes, including video production, poster presentation and pamphlet design

**Trending second majors:** Pathology and Laboratory Medicine; Pharmacology; Physiology

### Prerequisites:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year
- Chemistry ATAR **OR** a chemistry unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/medical-sciences](http://uwa.edu.au/study/medical-sciences)

[handbooks.uwa.edu.au/major/medical-sciences](http://handbooks.uwa.edu.au/major/medical-sciences)

\* Postgraduate study required

# Microbiology and Immunology

## CAREER OPPORTUNITIES

Laboratory manager, environmental scientist, microbiologist

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

Microbiology covers a range of fields, from immunology, (which studies how the body's immune system protects it from infectious disease), to microbial genetics and genetic engineering. Your studies can be applied in areas as diverse as medicine, food spoilage, control of environmental pollution and space science.

## Why study this course

- Enjoy richer student experiences through Student Exchange and Study Abroad
- Become eligible, upon graduating, for membership in the Australian Society of Microbiology (ASM), the profession's national scientific and employment body
- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations, allowing you to interactively experience real-life scenarios

## You'll learn to

- understand a variety of diseases in human body systems, such as the cardiovascular system, central nervous system, liver and kidneys, and reproductive tracts
- understand the fundamental divisions of the microbial world, including bacteria, viruses, algae and parasites
- appreciate the steps involved in the initiation, perpetuation and resolution of infectious diseases

**Trending second majors:** Anatomy and Human Biology; Biochemistry and Molecular Biology; Genetics

### Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year
- Human Biology ATAR or Biology ATAR **OR** a human biology or biology unit taken in the first year
- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

[uwa.edu.au/study/microbiology-and-immunology](http://uwa.edu.au/study/microbiology-and-immunology)

[handbooks.uwa.edu.au/major/microbiology-and-immunology](http://handbooks.uwa.edu.au/major/microbiology-and-immunology)

\* Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

# Neuroscience

## CAREER OPPORTUNITIES

Science teacher, laboratory manager, researcher

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

How do we process sensory stimuli? How does the nervous system grow, develop and learn? How do conditions such as Alzheimer's disease, deafness, dementia and depression affect the brain and nervous system? Neuroscientists seek the answers to these questions and how nervous-system function can be restored after disease and injury to the brain.

## Why study this course

- Open up a range of employment opportunities, including in research and clinical laboratories, government agencies and science communication
- You'll be taught by academics with established international reputations in neuroscience research
- Learn about the molecules that make up individual nerve cells and the transfer of information from one nerve cell to another, as well as the complexities of how behaviour, thought and emotions are produced

## You'll learn to

- demonstrate a sound knowledge of basic cell and systems biology and biological chemistry and apply this knowledge to neural cells and systems
- understand the structure and function of the nervous systems of humans and other animals
- conduct anatomical, cellular, physiological and behavioural investigations of nervous tissues and systems
- understand the neuroscience underpinning common pathological conditions of the nervous systems

**Trending second majors:** Physiology; Psychological Science

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subjects:** Chemistry ATAR and Biology ATAR

[uwa.edu.au/study/neuroscience](http://uwa.edu.au/study/neuroscience)

[handbooks.uwa.edu.au/major/neuroscience](http://handbooks.uwa.edu.au/major/neuroscience)



# Pharmacology

## CAREER OPPORTUNITIES

Pharmacist\*, medical practitioner\*, research scientist

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

Pharmacology is the branch of science that seeks to provide a deep understanding of the effects of drugs on biological organisms, including humans. It provides a modern understanding of how medicines produce their effects on the body and how such knowledge is used to alleviate suffering caused by disease.

## Why study this course

- Think, act and communicate like a pharmacologist
- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations
- Experience practical learning in laboratories using biological material, case studies and relevant research topics

## You'll learn to

- understand the fundamental principles of pharmacology at the molecular, cellular, tissue and whole-body levels
- obtain transferable laboratory skills
- achieve high-level oral, written and technical skills

**Trending second majors:** Pathology and Laboratory Medicine; Microbiology and Immunology; Physiology

## Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year
- Mathematics Applications ATAR **OR** higher-level mathematics **OR** a mathematics unit taken in the first year
- Human Biology ATAR or Biology ATAR **OR** a human biology or biology unit taken in the first year

[uwa.edu.au/study/pharmacology](http://uwa.edu.au/study/pharmacology)

[handbooks.uwa.edu.au/major/pharmacology](http://handbooks.uwa.edu.au/major/pharmacology)

## Sample study plan

Bachelor of Biomedical Science with degree-specific major in Pharmacology and second major in Pathology and Laboratory Medicine

YR1	SEM 1	Chemistry – Structure and Reactivity	Aboriginal Health and Wellbeing	Italian Studies 1	Human Biology I: Becoming Human
	SEM 2	Molecular Biology of the Cell	Health and Globalisation	Biological Chemistry	Molecular Biology of the Cell
YR2	SEM 1	Foundations of Pharmacology	Management and Organisations	Science Work Placement	Fundamentals of Pathology and Laboratory Medicine
	SEM 2	Human Pharmacology	Population Health Field Trip	Neuroscience in Society	Introduction to Human Disease
YR3	SEM 1	Molecular Pharmacology	Molecular Pharmacology Methods	Immunobiology and Immune Diseases	Medical Genetics
	SEM 2	Systems Pharmacology	Systems Pharmacology Methods	Biotherapeutics and Regenerative Medicine	Cancer Pathology

**Key:** ■ Pharmacology degree-specific major ■ Pathology and Laboratory Medicine second major ■ Broadening and elective units

\* Postgraduate study required

# Pathology and Laboratory Medicine

## CAREER OPPORTUNITIES

Research scientist, diagnostic scientist, science teacher\*

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

Pathology and laboratory medicine play a critical role in evidence-based medicine. This major provides you with a thorough understanding of the scientific basis of diagnosing, treating, managing and preventing human disease, as well as an appreciation of how medical research forms new insights into disease.

## Why study this course

- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations
- Learn from expert pathologists, researchers, physicians and medical scientists from various pathology disciplines
- Theoretical knowledge is complemented with practical learning in laboratories using clinical material, case studies and relevant research topics

## You'll learn to

- understand the processes of cell injury, inflammation and repair, and their role in the impact of human disease
- appreciate the influence of genetics, environment and infectious organisms on human disease processes
- recognise the application of pathology and laboratory medicine to a wide array of human diseases
- integrate and apply the principles of pathology and laboratory medicine to a wide array of human diseases

**Trending second majors:** Anatomy and Human Biology; Microbiology and Immunology; Biochemistry and Molecular Biology

### Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year
- Mathematics Applications ATAR **OR** higher-level mathematics **OR** a mathematics unit taken in the first year
- Human Biology ATAR or Biology ATAR **OR** a human biology or biology unit taken in the first year

[uwa.edu.au/study/pathology-and-laboratory-medicine](http://uwa.edu.au/study/pathology-and-laboratory-medicine)

[handbooks.uwa.edu.au/major/pathology-and-laboratory-medicine](http://handbooks.uwa.edu.au/major/pathology-and-laboratory-medicine)

Note: Mid-year applicants must have Chemistry ATAR and Biology or Human Biology ATAR to complete their degree in three years.

\* Postgraduate study required.

# Physiology

## CAREER OPPORTUNITIES

Anatomist, personal trainer, sport scientist

**Bachelor's degree:** Science or Biomedical Science or Philosophy (Honours)

Learn how the human body works, from the molecular and cellular level to tissues and organs, and how these interact together with the environment. Examine diseases and the changes that occur at the molecular and cellular level, and how these impact on whole-body function.

## Why study this course

- UWA is ranked 23rd in the world for Anatomy and Physiology (QS 2020)
- Physiology contributes to all major aspects of biology, including comparative biology, neuroscience, and the allied disciplines of pharmacology, anatomy and pathology
- Understand how physiologists contribute to new diagnostic and therapeutic strategies to combat disease

## You'll learn to

- recall and integrate key knowledge and concepts about the function of cells, tissues and organs and how their function is coordinated
- explain physiological phenomena with reference to underlying physicochemical processes
- explain and perform measurements of physiological phenomena from human subjects and animal tissue
- analyse and interpret physiological data derived from a range of measurement systems
- clearly communicate scientific facts and concepts
- explain the physiological basis of pathological conditions

**Trending second majors:** Sport Science; Neuroscience; Genetics

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subjects:** Chemistry ATAR and Biology ATAR

[uwa.edu.au/study/physiology](http://uwa.edu.au/study/physiology)

[handbooks.uwa.edu.au/major/physiology](http://handbooks.uwa.edu.au/major/physiology)

\* Postgraduate study required.

## Population Health

### CAREER OPPORTUNITIES

Health promotion officer, health research officer, policy and planning manager

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

Population Health examines patterns of health and disease in society and the applications of medical research and evidence-based medicine to populations, considering what we can do to improve the health of the community. This major will give you a strong foundation in health science, with skills in scientific investigation, critical thinking and problem solving.

### Why study this course

- Rich student experiences, impactful and real-world graduate outcomes, voluntary work experience programs and field trips
- Be taught by a multidisciplinary, passionate teaching team with sustained teaching excellence recognised at various levels, including nationally
- Study at a School supported by its world-class research programs and industry collaborations

### You'll learn to

- develop skills in areas including epidemiology, biostatistics, health economics and health promotion
- critically evaluate and implement research-led, evidence-based approaches to health outcomes
- understand the prevention of disease and the promotion of good health through community programs and health services

**Trending second majors:** Economics; Anatomy and Human Biology; Law in Society

#### Prerequisite:

- Mathematics Applications ATAR **OR** higher level mathematics **OR** a mathematics unit taken in the first year

[uwa.edu.au/study/population-health](http://uwa.edu.au/study/population-health)

[handbooks.uwa.edu.au/major/population-health](http://handbooks.uwa.edu.au/major/population-health)

## Psychological Science

### CAREER OPPORTUNITIES

Counsellor, marketer, manager, human resources officer

**Bachelor's degree:** Science or Philosophy (Honours)

Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements? Psychology is the scientific study of mental processes and behaviour, and is a challenging and wide-ranging discipline.

This major will provide you with a scientific understanding of our psychological processes and the relationship of these processes to brain function. You will also develop an understanding of how these psychological processes are affected by ageing, brain damage and disease.

### Why study this course

- UWA is ranked first in Western Australia for Psychology (QS 2020)
- This major provides a scientific understanding of how humans learn, remember and think, giving you more well-rounded skills that are attractive to employers
- A psychology degree is one that is increasingly sought after by employers, who value the analytical and reasoning skills it provides

### You'll learn to

- demonstrate knowledge and understanding of psychological processes and their relationships with neurobiology
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- employ skills in the analysis and presentation of quantitative data

**Trending second majors:** Human Resource Management; Neuroscience; Anatomy and Human Biology; Law and Society

#### Prerequisite:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/psychological-science](http://uwa.edu.au/study/psychological-science)

[handbooks.uwa.edu.au/major/psychological-science](http://handbooks.uwa.edu.au/major/psychological-science)



# Psychology (Double Major)

## CAREER OPPORTUNITIES

Psychologist\*, clinical psychologist\*, industrial and organisational psychologist\*

**Bachelor's degree:** Arts or Science or Philosophy (Honours)

Psychology is a fascinating and diverse area of study that touches upon many aspects of daily life. The Psychology double major will help you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these and the relationship of these processes to brain function.

## Why study this course

- UWA is ranked first in Western Australia for Psychology (QS 2020)
- This double major is a three-year undergraduate sequence in psychology, awarded accreditation by the Australian Psychology Accreditation Council (APAC)
- We are one of two psychology schools in Australia to have its research rated 'well above world standard' (ERA)

## You'll learn to

- demonstrate knowledge and understanding of selected psychological processes, their development, and the relations between them
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- demonstrate skills in the analysis and presentation of quantitative data
- demonstrate effective written and oral communication skills
- work effectively as a team member in solving problems

### Prerequisite (if taken via the Bachelor of Science):

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/psychology](http://uwa.edu.au/study/psychology)

[handbooks.uwa.edu.au/major/psychology](http://handbooks.uwa.edu.au/major/psychology)

\* Postgraduate study and/or training is required to register as a psychologist in Australia.

# Sport Science

## CAREER OPPORTUNITIES

Sport scientist, teacher, marketer

**Bachelor's degree:** Science or Philosophy (Honours)

A Sport Science major can equip you, as a scientist, to further understand and analyse the human body, its movements and its functions. You'll gain knowledge and skills in sport management and delivery that have applications in today's elite sport arenas, as well as the rehabilitation, fitness, health and recreation sectors.

## Why study this course

- The Sport Science practicum provides valuable workplace experience, enabling you to integrate theoretical concepts with professional practice and interact with other professionals
- Sport scientists evaluate, research, assess and advise on coaching, training, competition and recovery practices in all areas and levels of sport to achieve the best possible sporting performance
- 20th in the world for Sports-Related Subjects (QS 2020)

## You'll learn to

- apply theoretical knowledge to ensure optimal development of physical fitness and capacity required in sport as well as to promote athletes' health and wellbeing
- apply this knowledge in the assessment of physical, physiological and mechanical characteristics of sports performance, and the prescription of appropriate interventions to maintain athletes' strengths and improve weaknesses

**Trending second majors:** Anatomy and Human Biology; Physiology; Management; Marketing

### Prerequisite:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/sport-science](http://uwa.edu.au/study/sport-science)

[handbooks.uwa.edu.au/major/sport-science](http://handbooks.uwa.edu.au/major/sport-science)

## Sport Science, Exercise and Health (Double Major)

### CAREER OPPORTUNITIES

Exercise scientist, sports coach, sports promoter

**Bachelor's degree:** Science or Philosophy (Honours)

The effects of physical activity are multiple, for professional athletes and amateurs alike. This double major provides a sound basis in sport and exercise science theory, combined with practical, technical and communication skills, to give you an understanding of the relationship between human structural, functional and behavioural characteristics.

### Why study this course

- Understand how sport and exercise play a vital part in a human's general health and performance
- The course is accredited by the National University Course Accreditation Program (NUCAP), and graduates may apply to Exercise and Sports Science Australia (ESSA) within two years of completion to become an Accredited Exercise Scientist (AES)
- You'll be eligible to apply for the three-semester Master of Clinical Exercise Physiology course on graduation

### You'll learn to

- understand the relationship between human structural, functional and behavioural characteristics and their application in the development of, and support for, athletes and coaches to achieve success
- understand the relationship between human structural, functional and behavioural characteristics and our ability to develop, maintain and promote a fit and healthy lifestyle throughout the lifespan
- assess physical, physiological and mechanical characteristics of sports performance and the prescription of appropriate interventions to maintain athletes' strengths and improve weaknesses
- apply this knowledge in the assessment of health indicators and the prescription of exercise

### Prerequisite:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/sport-science-exercise-and-health-double-major](http://uwa.edu.au/study/sport-science-exercise-and-health-double-major)

[handbooks.uwa.edu.au/major/sport-science-exercise-and-health](http://handbooks.uwa.edu.au/major/sport-science-exercise-and-health)

## Doctor of Dental Medicine Direct Pathway

**CRICOS CODE:** 089787B

**UWA COURSE CODE:** 90860

**INTAKE:** Semester 1

**DOCTORATE COMPLETION:** 3 or 4 years full time

**2021 DOCTORATE TUITION FEES:** AUD\$82,900 per year

Home to WA's only tertiary Dental School, UWA has trained future dentists for more than 70 years. Taught by dedicated staff, you'll be based at the Oral Health Centre of Western Australia, a high-tech dental teaching hospital and learning facility on the QEII Medical Centre campus. After graduation, you will be able to register with the Dental Board of Australia and enter the profession immediately.

**UG major requirement:** Medical Sciences major (accelerated pathway), or any major(s) of student's choice

### Prerequisites:

- Prerequisite subjects of your chosen major, ISAT, interview, eyesight requirements<sup>1</sup>
- Completion of a bachelor's degree, with a Faculty Grade Point Average of at least 5.5<sup>2,3</sup>

**ATAR:** 96, or 98 via BPhil (Hons)

**NOTE:** Students who complete the Medical Sciences major may be eligible for one year of credit towards the Doctor of Dental Medicine

[uwa.edu.au/study/d/dental-medicine](http://uwa.edu.au/study/d/dental-medicine)

[handbooks.uwa.edu.au/d/dental-medicine](http://handbooks.uwa.edu.au/d/dental-medicine)

<sup>1</sup> A competitive selection process will apply.

<sup>2</sup> A Faculty Grade Point Average of 5.5 is equivalent to an overall subject average of approximately 65 to 70 per cent.

<sup>3</sup> Undergraduate studies may be undertaken in any area. Some study of physics at Year 12 level and biology and chemistry at first-year university level is recommended.

# Doctor of Medicine

## Direct Pathway

**CRICOS CODE:** 089788A

**UWA COURSE CODE:** 90850

**INTAKE:** Semester 1

**DOCTORATE COMPLETION:** 3 or 4 years full time

**2021 DOCTORATE TUITION FEES:** AUD\$82,900 per year

UWA has taught medicine for more than 60 years and is ranked 29th in the world for Clinical Medicine and 33rd for Human Biological Sciences (ARWU 2020). The Doctor of Medicine aims to produce graduates committed to the wellbeing of the patient, community and society, as responsible, accountable, scholarly, capable and caring doctors. You will learn alongside the brightest students, leading clinicians and committed researchers.

**UG major requirement:** Integrated Medical Sciences and Clinical Practice double major (accelerated pathway), or any major(s) of student's choice

### Prerequisites:

- Prerequisite subjects of your chosen major(s), ISAT, interview<sup>1</sup>
- Completion of a bachelor's degree, with a Faculty Grade Point Average of at least 5.5<sup>2,3</sup>

**ATAR:** 96, or 98 via BPhil (Hons)

**NOTE:** Students who complete the Integrated Medical Sciences and Clinical Practice Double Major may be eligible for one year of credit towards the Doctor of Medicine

[uwa.edu.au/study/d/medicine](http://uwa.edu.au/study/d/medicine)

[handbooks.uwa.edu.au/d/medicine](http://handbooks.uwa.edu.au/d/medicine)

- 1 A competitive selection process will apply.
- 2 A Faculty Grade Point Average of 5.5 is equivalent to an overall subject average of approximately 65 to 70 per cent.
- 3 Undergraduate studies may be undertaken in any area. Some study of physics at Year 12 level and biology and chemistry at first-year university level is recommended.

For more information on admission to Health Direct Pathways, visit [uwa.edu.au/apply-health](http://uwa.edu.au/apply-health)

“I enjoyed the clinical rotations in hospitals where we are given the unique opportunity to learn and develop our clinical, organisational and communication skills in the workplace under the guidance of senior doctors.”

**YOGESH**  
DOCTOR OF MEDICINE



“What I most enjoy about studying Podiatry is our student and staff community. Our campus is a supportive environment for students to enhance their clinical skills with the help of approachable professors, tutors and lecturers. Throughout my time at UWA, I have made lifelong friendships and surpassed my learning expectations.”

**EVAN**

DOCTOR OF PODIATRIC MEDICINE



## Doctor of Podiatric Medicine

### Direct Pathway

**CRICOS CODE:** 075343A

**UWA COURSE CODE:** 90870

**INTAKE:** Semester 1

**DOCTORATE COMPLETION:** 2 or 3 years full time

**2021 DOCTORATE TUITION FEES:** AUD\$57,700 per year

The Doctor of Podiatric Medicine produces healthcare practitioners highly trained in the diagnosis and treatment of conditions affecting the foot and ankle. Podiatrists have the right to perform minor foot surgery, refer patients for investigative tests, and administer drugs necessary for treatment. Many podiatrists develop expertise in a specific area, such as sporting injuries or children's foot and leg problems.

#### **UG major requirement:**

Medical Sciences major (accelerated pathway), or any major(s) of student's choice

#### **Prerequisites:**

- Prerequisite subjects of your chosen major<sup>1</sup>
- Fulfil Podiatric Medicine prerequisite units through major or elective units as part of your degree
- Completion of a bachelor's degree, with a Faculty Grade Point Average of at least 5.0<sup>2,3</sup>

**ATAR:** 94 or 98 via BPhil (Hons)

**NOTE:** Students who complete the Medical Sciences major may be eligible for one year of credit towards the Doctor of Podiatric Medicine (accelerated pathway)

[uwa.edu.au/study/d/podiatic-medicine](http://uwa.edu.au/study/d/podiatic-medicine)

[handbooks.uwa.edu.au/d/podiatic-medicine](http://handbooks.uwa.edu.au/d/podiatic-medicine)

- 1 A competitive selection process will apply. Additional selection criteria, including an interview, may apply.
- 2 A Faculty Grade Point Average of 5.0 is equivalent to an overall subject average of approximately 60 to 65 per cent.
- 3 Undergraduate studies may be undertaken in any area.

# Master of Pharmacy

## Direct Pathway

**CRICOS CODE:** 051547J

**UWA COURSE CODE:** 51500

**INTAKE:** Semester 1

**MASTER'S COMPLETION:** 2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$40,400 per year

The Master of Pharmacy is your professional postgraduate qualification for registration as a pharmacist in Australia. This course provides advanced study in the areas of pharmacy practice, clinical pharmacy, pharmaceuticals, medicinal chemistry, pharmacotherapy and health systems, and includes practical training in community and hospital pharmacies. Strong employment growth is predicted for pharmacists, partly due to the expanding role of pharmacists in healthcare delivery.

### Prerequisites:

- Prerequisite subjects of your chosen major, interview<sup>1</sup>
- Fulfil Pharmacy prerequisite units through major or elective units as part of your degree
- Completion of a bachelor's degree, with a Faculty Grade Point Average of at least 5.0<sup>2,3</sup>

**ATAR:** 94, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/pharmacy](http://uwa.edu.au/study/m/pharmacy)

[handbooks.uwa.edu.au/m/pharmacy](http://handbooks.uwa.edu.au/m/pharmacy)

- 1 A competitive selection process will apply. Additional selection criteria may apply.
- 2 A Faculty Grade Point Average of 5.0 is equivalent to an overall subject average of approximately 60–65 per cent.
- 3 Undergraduate studies may be undertaken in any area.

# Master of Public Health

## Direct Pathway

**CRICOS CODE:** 003032A

**UWA COURSE CODE:** 91550

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5 years full time

**2021 MASTER'S TUITION FEES:** AUD\$39,100 per year

Now more than ever, the world needs health experts to generate solutions to key global challenges. Public health is the art and science of protecting and improving the health of communities, using an evidence-based approach through research, advocacy and health promotion. As a public health practitioner you can play an important role in health and wellbeing, and improving the social and environmental conditions that affect us.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA Weighted Average Mark of at least 60 per cent in the Level 3 units of a relevant major

**ATAR:** 92, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/public-health](http://uwa.edu.au/study/m/public-health)

[handbooks.uwa.edu.au/m/public-health](http://handbooks.uwa.edu.au/m/public-health)



“The best part about the course is the support the lecturers and staff provide. Because it's a relatively small cohort, you become quite close with the other students, which also provides a great support system through your studies. UWA is a great place to study – there is always something to get involved with, no matter what your interests are. I have enjoyed and benefited from being involved with the Master of Pharmacy Society as well as being a student ambassador to represent the University.”

**JANESHA**  
MASTER OF PHARMACY

# Humanities and Social Sciences

Humanities and Social Sciences equip you to ask and answer the big questions. Explore where we came from, who we are and where we're going; understand the human condition; and develop responses to major societal opportunities, challenges and injustices.

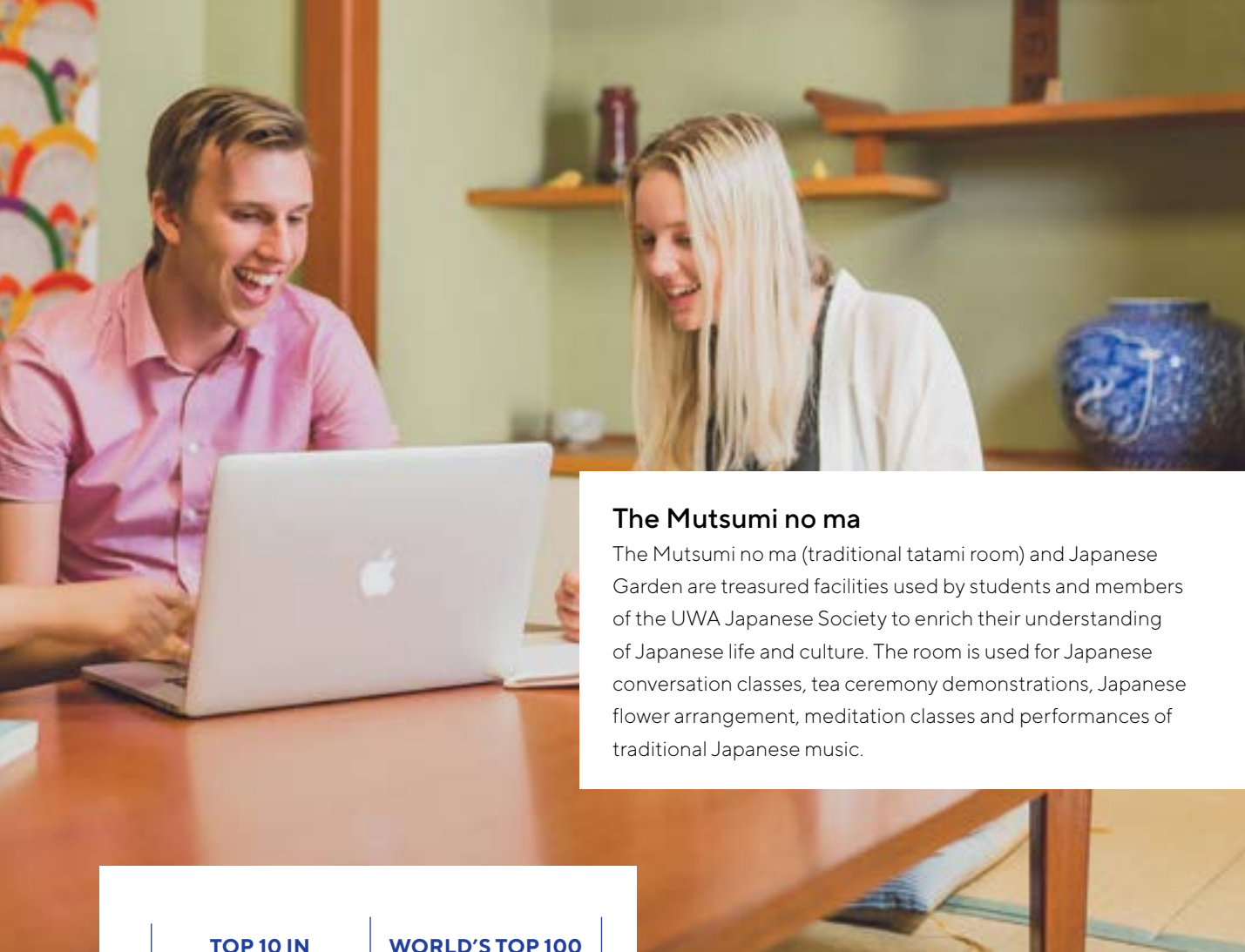
In this area, you can explore everything from the earliest days of humanity and history in Archaeology or Classics and Ancient History, to cutting-edge technologies in Communication and Media Studies. Tackle the great challenges facing society, with Philosophy, Political Science and International Relations, Psychology, Gender Studies, or Anthropology and Sociology. Develop critical cultural engagement by studying History, English and Literary Studies, Asian Studies, Linguistics, or Indigenous Knowledge, History and Heritage. Or learn a language at WA's largest language hub, with four European and four Asian languages on offer, as well as Latin and Ancient Greek.

Studies in Humanities and Social Sciences can open up a wide range of career options locally, nationally and internationally.

## Top five reasons to study Humanities and Social Sciences at UWA

- Open up a broad range of career options in sectors such as government, education, business or the media.
- Get real-world experience through internships, hands-on learning with industry and business partners, and overseas study.
- Develop the transferable skills to power lifelong career success in the 21st century workplace, with advanced skills in critical thinking and analysis, written and oral communication, collaboration and cultural understanding.
- Gain understanding of local, regional and global challenges, as well as enhanced skills in intercultural communication and literacy.
- Apply your education to benefit communities around the world.





### The Mutsumi no ma

The Mutsumi no ma (traditional tatami room) and Japanese Garden are treasured facilities used by students and members of the UWA Japanese Society to enrich their understanding of Japanese life and culture. The room is used for Japanese conversation classes, tea ceremony demonstrations, Japanese flower arrangement, meditation classes and performances of traditional Japanese music.

**TOP 10 IN  
AUSTRALIA**  
FOR ARTS AND  
HUMANITIES

(QS WUR BY SUBJECT 2020)

**WORLD'S TOP 100**  
FOR ENGLISH  
LANGUAGE AND  
LITERATURE AND  
PERFORMING ARTS

(QS WUR BY SUBJECT 2020)



## Diploma in Modern Languages

The Diploma in Modern Languages provides you with the opportunity to study language units concurrently with a UWA undergraduate degree. Languages available include Chinese, French, German, Indonesian, Italian, Japanese, Korean and Spanish. There are no prerequisites for entry to this course, as all languages can be taken at introductory or intermediate level, and some languages can be studied at near-native speaker level. Apply for the diploma at the time of enrolling in your degree or after a semester or two of study. A diploma normally adds one year (two semesters) to the duration of your degree.

“Studying a language opens so many doors, not only to different countries and cultures but to a huge range of employment opportunities and new and different ways of thinking.”

**DR KATI TONKIN**

SENIOR LECTURER IN GERMAN STUDIES AND HISTORY AT UWA

After graduating, you could choose to enter a career or specialise further with our postgraduate courses in International Relations, Forensic Anthropology, International Development, Translation Studies, Strategic Communication, Urban and Regional Planning and more.

# Aboriginal Health and Wellbeing

## CAREER OPPORTUNITIES

Health promotion officer, social worker\*, health and welfare services manager, health policy adviser

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

This major provides you with a solid grounding in the many factors that influence the health and wellbeing of Aboriginal peoples, families and communities in Australia, and an understanding of particular health problems and their impacts within Aboriginal communities, as well as practical experience in Aboriginal health settings.

## Why study this course

- Gain a greater understanding of the challenges and health and wellbeing of the Aboriginal community
- Undergo practical experience in community-based settings to prepare you for work in the industry
- Work towards the Government's Closing the Gap initiative, addressing Aboriginal and Torres Strait Islander disadvantages in health, education and employment

## You'll learn to

- understand strategies, policies and practices to improve Aboriginal community-led health and wellbeing initiatives
- demonstrate strong knowledge of human biology, assisting in evaluating the biological evidence about disease mechanisms
- demonstrate practical experience in Aboriginal health settings
- develop the skill set required to work in a team environment, including oral and written communication, time and information management, professional behaviour and interpersonal skills, and project management

**Trending second majors:** Indigenous Knowledge, History and Heritage; Humanities in Health and Medicine; Population Health

### Prerequisite:

- Mathematics Applications ATAR **OR** higher-level mathematics **OR** a mathematics unit taken in the first year

[uwa.edu.au/study/aboriginal-health-and-wellbeing](http://uwa.edu.au/study/aboriginal-health-and-wellbeing)

[handbooks.uwa.edu.au/major/aboriginal-health-and-wellbeing](http://handbooks.uwa.edu.au/major/aboriginal-health-and-wellbeing)

\* Postgraduate study may be required

# Anthropology and Sociology

## CAREER OPPORTUNITIES

Sociologist, journalist, policy consultant

**Bachelor's degree:** Arts or Philosophy (Honours)

This major incorporates the study of the cultures, institutions, social behaviours, economies and systems of meaning of all human societies, with a focus on understanding Australian society and its relationship to the world. On a personal level, this major offers a perspective on challenges in your everyday life, and encourages you to question your taken-for-granted beliefs and expectations.

## Why study this course

- An education in cultural diversity and social change will give you the skills for living and working in an interconnected world, in such fields as international development, cultural heritage and others
- Develop sought-after skills in critical thinking and reflection, careful observation, listening, record-keeping, oral, visual and written expression, and research
- Enhance your ability to communicate interculturally

## You'll learn to

- demonstrate key concepts of anthropology and sociology including cultural diversity and social inequality and processes that underpin social change
- demonstrate critical knowledge of anthropological and sociological theory
- develop arguments based on a critical evaluation of evidence
- communicate anthropological and sociological perspectives and knowledge effectively

**Trending second majors:** History; Indigenous Knowledge, History and Heritage; Political Science and International Relations

[uwa.edu.au/study/anthropology](http://uwa.edu.au/study/anthropology)

[handbooks.uwa.edu.au/anthropology](http://handbooks.uwa.edu.au/anthropology)



# Archaeology

## CAREER OPPORTUNITIES

Conservator, archaeologist, museum researcher

### **Bachelor's degree:** Arts or Philosophy (Honours)

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Study more than three million years of human history in all its facets. This major brings together specialist units of study such as archaeobotany, archaeozoology, dating methods, DNA analysis, fieldwork, heritage, human origins and symbolism, Indigenous archaeology, and rock art. You'll develop practical skills through laboratory classes and fieldwork units, with three field schools held each year.

### Why study this course

- Gain a comprehensive range of transferable skills that give you a competitive advantage in the job market
- Work with industry, government, Indigenous groups and the broader community to better understand the past and create sustainable heritage futures
- Participate in internationally recognised, research-led, hands-on training in global and Australian archaeology, with access to the internationally recognised Centre for Rock Art Research and Management and Centre for Forensic Anthropology
- Gain practical skills through labs and field schools

### You'll learn to

- demonstrate essential cognitive and social skills such as critical thinking, problem solving, ethical conduct and working in groups
- display essential practical skills such as OHS practices, understanding legislation, fieldwork and lab-work skills, and working with diverse stakeholders

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**Trending second majors:** Human Geography and Planning; Indigenous Knowledge, History and Heritage; Classics and Ancient History

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[uwa.edu.au/study/archaeology](http://uwa.edu.au/study/archaeology)

[handbooks.uwa.edu.au/major/archaeology](http://handbooks.uwa.edu.au/major/archaeology)

# Asian Studies

## CAREER OPPORTUNITIES

Foreign affairs and trade officer, cultural interpreter, workplace relations adviser

### **Bachelor's degree:** Arts or Philosophy (Honours)

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Asian Studies provides knowledge and a solid basis for critically understanding the great diversity of cultures, societies and political systems of Asia, including China, Indonesia and Japan. It explores the impact of the great religions such as Buddhism, Hinduism and Islam, and investigates the dramatic changes that colonialism and revolutions have brought to the people of the region. You'll develop critical knowledge of contemporary Asia and the social, cultural, political and economic forces that are shaping modern societies in the region.

### Why study this course

- Gain cross-cultural skills and exciting opportunities to work and travel in the region
- UWA's Asian Studies lecturers hold strong institutional, interdisciplinary and international research and teaching links

### You'll learn to

- demonstrate critical knowledge of debates and discourses surrounding contemporary issues in Asia
- understand the complexities of sociocultural, political, economic and environmental transformations and interactions in postcolonial Asia
- demonstrate ethical sensitivity towards our diverse and globalised world

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**Trending second majors:** Anthropology and Sociology; Human Geography and Planning; Chinese Studies

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[uwa.edu.au/study/asian-studies](http://uwa.edu.au/study/asian-studies)

[handbooks.uwa.edu.au/asian-studies](http://handbooks.uwa.edu.au/asian-studies)

## Chinese Studies

### CAREER OPPORTUNITIES

Financial dealer, foreign affairs and trade officer, cultural interpreter

**Bachelor's degree:** Arts or Philosophy (Honours)

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More than one billion people speak Chinese (Mandarin), making it the world's most spoken language. Study Chinese and open doors to an exciting international career. This major caters to language levels from beginner to native speaker, and develops language skills, cultural literacy and knowledge of modern China. Classes focus on reading, writing, speaking and listening.

### Why study this course

- It caters to all language levels from complete beginner to native speaker
- Develop language skills, cultural literacy and knowledge of modern China, with classes enabling you to engage with real-life situations and authentic texts
- Study in China via UWA's student exchange program

### You'll learn to

- demonstrate a good written and spoken linguistic competence in the Chinese language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- identify key ethical, philosophical and social characteristics of Chinese culture, society and history
- engage effectively in a professional manner in the key debates on Chinese history, society and culture, and produce coherent and well-argued written work
- demonstrate transferable skills, such as digital literacy, information management, group working, research skills and critical thinking

**Trending second majors:** Asian Studies; Finance; Political Science and International Relations

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[uwa.edu.au/study/chinese-studies](http://uwa.edu.au/study/chinese-studies)

[handbooks.uwa.edu.au/major/chinese-studies](http://handbooks.uwa.edu.au/major/chinese-studies)

## Classics and Ancient History

### CAREER OPPORTUNITIES

Teacher, academic, writer, journalist, public sector officer

**Bachelor's degree:** Arts or Philosophy (Honours)

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Classics and Ancient History is the study of the civilisations of Ancient Greece and Rome. This major combines the study of the history, culture, religions and languages of these two civilisations to give you a holistic picture of this vibrant and eternally relevant era of world history.

### Why study this course

- You'll gain an in-depth understanding of the history and cultures of Greece and Rome, and in so doing, challenge and enhance your understanding of the modern world
- By studying Ancient Greek and Latin, you'll gain access to some of the great works of world literature that continue to influence modern and political social debates as well as popular culture. In addition, Greek and Latin provide a linguistic grounding for the study of modern European languages (including English)
- You'll enjoy unique opportunities to pursue engagement with the ancient world first-hand, with generous bursaries available for travel to Greco-Roman sites

### You'll learn to

- synthesise complex, diverse and often fragmentary material, and develop research, critical thinking and communication skills
- describe the chief eras, achievements and enduring legacies of the classical world, and demonstrate in several areas of specialised study a sophisticated appreciation of specific eras and classical authors
- read at least one of the classical languages (Ancient Greek and Latin)

**Trending second majors:** Archaeology; History; Philosophy

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[uwa.edu.au/study/classics-and-ancient-history](http://uwa.edu.au/study/classics-and-ancient-history)

[handbooks.uwa.edu.au/major/classics-and-ancient-history](http://handbooks.uwa.edu.au/major/classics-and-ancient-history)

# Communication and Media Studies

## CAREER OPPORTUNITIES

Editor, media planner, social media manager, content developer, journalist, advertising professional

### Bachelor's degree: Arts or Philosophy (Honours)

Explore your interest in the ever-changing worlds of digital media, social media, journalism, video-making, interactive media and games, while perfecting your ability to express, persuade and argue. This major provides you with practical training in communication and digital-media skills, alongside essential theoretical knowledge, to teach you how to be an effective and powerful communicator.

### Why study this course

- Gain sought-after skills in creativity, problem solving, teamwork, project management and persuasion
- Learn to use the latest digital and multimedia tools
- Become a versatile and responsible communicator

### You'll learn to

- engage in creative, critical and reflective thinking, and be able to express yourself eloquently and effectively
- use a range of production tools
- work collaboratively to manage complicated tasks and produce media content to professional standards
- develop a critical understanding of cultural and ethical implications associated with media and communication

**Trending second majors:** English and Literary Studies; Marketing; Political Science and International Relations

[uwa.edu.au/study/media-studies](http://uwa.edu.au/study/media-studies)

[handbooks.uwa.edu.au/media-studies](http://handbooks.uwa.edu.au/media-studies)

### Sample study plan

Bachelor of Arts with degree-specific major in Communication and Media Studies and second major in Marketing

YR1	SEM 1	Power, Participation and Meaning	The Liberal Democratic State	Global Literatures	Introduction to Marketing
	SEM 2	Cultures, New Media and Communications	Changing the World: Social Innovation, Finance and Enterprise	Managing Your Personal Finance	Consumer Behaviour
YR2	SEM 1	Digital Media	Netflix: Cinema and Long-form Television	Adulting: Law for Everyday Lives	Marketing Research
	SEM 2	Communication and Mass Media	Popular Music in Global Perspective	Approaches to Wicked Problems (Summer School)	Advertising and Promotion
YR3	SEM 1	Designing Play	Journalism and Strategic Communication	Entrepreneurship	Digital Marketing
	SEM 2	Media Enterprise in Transition	Media Production Project	Consumers Around the World	Strategic Marketing

**Key:** ■ Communication and Media Studies degree-specific major ■ Marketing second major ■ Broadening and elective units

# Criminology

## CAREER OPPORTUNITIES

Corrective services officer, community development worker, youth worker

**Bachelor's degree:** Arts or Philosophy (Honours)

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Criminology allows you to study crime and criminal justice while drawing on knowledge and perspectives from a range of disciplines including law, psychology, history, anthropology, forensic science and geography. This major will challenge you to apply criminological theory to analyse contemporary challenges relating to crime, victimisation, crime prevention and the criminal justice system.

## Why study this course

- Get a fascinating look into crime and the criminal justice system
- You'll be taught by criminologists, historians, geographers, forensic scientists, anthropologists and psychologists
- This major pairs well with many other majors

## You'll learn to

- understand the breadth of issues in contemporary criminology and the criminal justice system
- critique crime and criminal law
- use transferable creative thinking, teamwork and problem-solving skills

**Trending second majors:** Anthropology and Sociology; Business Law; Law and Society; Psychology in Society

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[uwa.edu.au/study/criminology](http://uwa.edu.au/study/criminology)

[handbooks.uwa.edu.au/major/criminology](http://handbooks.uwa.edu.au/major/criminology)

# Environmental Geography and Planning

## CAREER OPPORTUNITIES

Urban planner, environmental researcher and consultant, conservationist

**Bachelor's degree:** Environmental Design or Philosophy (Honours)

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This major focuses on how to ensure the sustainable use of the natural and built environment, ranging from urban design, managing natural resources and ensuring an appropriate quality of life for all in urban environments. You'll develop essential skills in qualitative and quantitative data collection and analysis, fieldwork, the use of Geographic Information Systems (GIS) and remote sensing, analysing environmental policy and applying environmental planning techniques, all of which are essential for advancing your career.

## Why study this course

- You'll be taught by experts across a range of disciplines from urban planning through to natural resource management and conservation
- You'll gain valuable practical skills through fieldwork and desk-based data collection and analysis.
- Employers prioritise graduates with experience across a broad range of disciplines, whose skills are transferrable and adaptable to the variety of issues affecting industry and society

## You'll learn to

- develop skills in data collection, analysis and interpretation, using data from both the human and natural environment
- apply your knowledge of policy to identify solutions that ensure sustainable usage of natural resources and urban development
- develop workplace-relevant skills including adaptability, teamwork, oral presentations and professional report writing for employers
- use advanced technology to explore data and present commanding data visualisations

**Trending second majors:** Geographical Sciences; Human Geography and Planning; Landscape Architecture; Environmental Management

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[uwa.edu.au/study/environmental-geography-and-planning](http://uwa.edu.au/study/environmental-geography-and-planning)

[handbooks.uwa.edu.au/major/environmental-geography-and-planning](http://handbooks.uwa.edu.au/major/environmental-geography-and-planning)

# English and Literary Studies

## CAREER OPPORTUNITIES

Publisher, public service officer, educator

**Bachelor's degree:** Arts or Philosophy (Honours)

In English and Literary Studies, we take the imagination seriously. We address the creative texts societies produce and ask what they mean. From Shakespeare to Netflix, and from critical theory to creative writing, English and Literary Studies offers units that look at the exciting ways in which literature works in a newly globalised world.

### Why study this course

- English and Literary Studies develops the valuable skills employers look for, such as analytical thinking, creativity, problem solving and the advanced ability to communicate
- Expand your understanding of life, ethics, different cultures and our changing society
- Challenge yourself and open your mind to new ideas

### You'll learn to

- be innovative and creative
- exercise critical reasoning and analysis
- communicate clearly in written and oral forms
- work effectively, both independently and in groups
- research, synthesise and present information
- interpret a wide range of texts in a variety of historical and cultural contexts

**Trending second majors:** Communication and Media Studies; History; Philosophy

[uwa.edu.au/study/english-and-literary-studies](http://uwa.edu.au/study/english-and-literary-studies)

[handbooks.uwa.edu.au/major/english-and-literary-studies](http://handbooks.uwa.edu.au/major/english-and-literary-studies)

# French Studies

## CAREER OPPORTUNITIES

Cultural interpreter, international journalist, teacher

**Bachelor's degree:** Arts or Philosophy (Honours)

Studying French is more than simply learning a language; it's an experience that will open your mind to different cultures, enrich you with knowledge of history, and enable you to engage in real-world issues. Study past and present French and francophone literature, films, contemporary society and popular culture, and gain a holistic and stimulating cultural and educational experience.

### Why study this course

- Achieve high levels of competency in listening, speaking, writing and reading the French language
- Experience the rich cultural diversity of one of the world's major international languages – French is spoken by more than 300 million people worldwide on five continents
- Gain a skill that will add value to any career, as well as opening up exciting new travel opportunities
- Have the opportunity to participate in an exchange program at leading universities and elite schools throughout France, Canada or the Pacific islands

### You'll learn to

- communicate effectively and proficiently in the French language
- interact confidently and successfully in situations involving French cultural conventions
- interpret French language texts – written, audio, visual – in the light of French culture and society
- understand French and francophone cultures throughout the world and reflect on your own culture
- move with accuracy and skill between the English and French languages and cultures

**Trending second majors:** German Studies; Economics; Political Science and International Relations

[uwa.edu.au/study/french-studies](http://uwa.edu.au/study/french-studies)

[handbooks.uwa.edu.au/major/french-studies](http://handbooks.uwa.edu.au/major/french-studies)

## Gender Studies

(Second Major only)

### CAREER OPPORTUNITIES

Social worker, policy adviser, parliamentarian

**Bachelor's degree:** Arts or Philosophy (Honours)

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We are in the midst of a new wave of interest in gender, as evidenced through popular cultural phenomena such as #metoo, and public debates and policy challenges about social issues such as political representation, sexual and family violence, transgender rights, or radicalisation. Gender Studies equips you with highly relevant skills and knowledge that can be applied across multiple domains.

### Why study this course

- Develop unique skills in social-systems thinking, interdisciplinary collaboration and complex problem solving
- Cultivate enhanced relational competence
- Grow improved self-awareness

### You'll learn to

- demonstrate a comprehensive knowledge of feminist thought, its key shifts, major theorists and philosophical movements
- articulate the complexities of gender as a socially constructed practice situated in time and place, and mediated by other subject positions like race, class, religion, and sexuality
- contextualise the history of women's liberation as a social movement, its links to feminist activism as a form of social justice, and the continuing relevance of linking theory to practice
- draw on feminist methods of research, writing, and thinking about gender
- use a discursive vocabulary to clearly articulate arguments around gender, sexuality, ideology, subjectivity, corporeality, and agency

**Trending major combinations:** Gender Studies is only available as a second major. It pairs well with many majors, such as Communication and Media Studies; Law and Society; and Political Science and International Relations

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[uwa.edu.au/study/gender-studies](http://uwa.edu.au/study/gender-studies)

[handbooks.uwa.edu.au/major/gender-studies](http://handbooks.uwa.edu.au/major/gender-studies)

## Geographical Sciences

### CAREER OPPORTUNITIES

Environmental manager, spatial analyst, climate scientist

**Bachelor's degree:** Science or Philosophy (Honours)

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Geography is the science of place and space, standing at the intersection of natural and social sciences. Geographers study the Earth's landscapes, peoples, places and environments, and how these interact. Understanding contemporary urban and environmental problems requires an appreciation of the interdependence between human activities and the natural and cultural environment. This major provides you with these insights, focusing on the major challenges facing our planet.

### Why study this course

- Learn skills in a range of research techniques, including fieldwork, survey design, statistical analysis and spatial data analysis
- Study in one of the world's 25 biodiversity hotspots
- Gain hands-on experience in field research, group work and leadership

### You'll learn to

- understand the importance of spatial processes in shaping the nature of human and natural environments
- appreciate the complex relationships that exist between humans and the natural environment, and the ways in which these are manifested in spatial patterns and processes
- develop methods for the investigation and interpretation of spatial patterns and processes in the natural and human environment

**Trending second majors:** Environmental Science; Botany; Agricultural Science

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[uwa.edu.au/study/geographical-sciences](http://uwa.edu.au/study/geographical-sciences)

[handbooks.uwa.edu.au/major/geographical-sciences](http://handbooks.uwa.edu.au/major/geographical-sciences)

# German Studies

## CAREER OPPORTUNITIES

Foreign affairs and trade officer, journalist, cultural interpreter

**Bachelor's degree:** Arts or Philosophy (Honours)

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This major caters for students at all levels, from absolute beginners to intermediate and native speakers. While becoming fluent in the German language, you'll also explore centuries of German history, culture, contemporary film and media, as well as Germany's profound impact on the sciences, music and philosophy, both in Europe and around the world.

## Why study this course

- Gain a competitive advantage in almost any field (both internationally and in Australia) through knowledge of a language other than English
- Germany is a world leader in research, development and innovation, as well as in information and communication technologies, all of which will become increasingly important in the future
- Get to know students from a wide range of disciplines and work closely with supportive tutors in interactive, engaging language classes

## You'll learn to

- read, write, listen and speak in German
- interact confidently and successfully in situations involving German cultural conventions
- interpret German language texts – written, audio, visual – in the light of German culture and society
- move with accuracy and skill between the English and German languages and cultures

**Trending second majors:** Engineering Science; Music; Political Science and International Relations

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[uwa.edu.au/study/german-studies](http://uwa.edu.au/study/german-studies)

[handbooks.uwa.edu.au/major/german-studies](http://handbooks.uwa.edu.au/major/german-studies)

# History

## CAREER OPPORTUNITIES

Archivist, teacher, conservation officer

**Bachelor's degree:** Arts or Philosophy (Honours)

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Historians use evidence from the past to ask fundamental questions about humanity. Through learning about the past, we illuminate the present. Studying history will immerse you in discovery, debate, discussion, understanding, surprise and awe, and it will require of you rigour, reason, questioning, imagination and passion. You'll be part of the process by which humanity's memory itself comes to be made.

## Why study this course

- Learn about humanity's past
- Discover, debate, discuss and understand the world's history
- Gain skills in research, critical analysis and communication applicable to a wide range of careers

## You'll learn to

- understand other times, societies and cultures
- demonstrate an awareness of the world we live in, through reference to humanity's past experience
- demonstrate a knowledge of major historical developments in a range of times and places
- identify main issues in complex historical material
- critically evaluate differences and issues in others' interpretations of historical events
- describe and interpret evidence of past human experience, proposing explanations with reference to concepts such as power, myth, representation, culture, gender, race, colonialism and social structure
- formulate logical arguments
- conduct independent research, making use of historical resources
- demonstrate a knowledge of the causes of historical change in a range of times and places

**Trending second majors:** Classics and Ancient History; English and Literary Studies; Political Science and International Relations

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[uwa.edu.au/study/history](http://uwa.edu.au/study/history)

[handbooks.uwa.edu.au/major/history](http://handbooks.uwa.edu.au/major/history)

## History of Art

### CAREER OPPORTUNITIES

Art conservator, curator, gallery director

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**Bachelor's degree:** Arts or Philosophy (Honours)

This major provides you with the knowledge and skills to gain employment in art galleries and museums, community and public art programs, and with auction houses and major collections. You'll graduate with a comprehensive understanding of art and the specific communication skills required to engage in artistic dialogue, plus you'll possess a qualification valued by arts professionals worldwide.

### Why study this course

- Explore the ongoing significance of art as a platform for shaping and interpreting the world in which we live
- Some units are taught overseas, and recent destinations include Paris, Rome and China
- You are taught by internationally recognised art historians

### You'll learn to

- gather historical knowledge about a wide range of periods and visual media
- critically communicate about visual form
- recognise how art has shaped the history of ideas and how artists have imaged and imagined politics, religion, identity and culture

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**Trending second majors:** English and Literary Studies; Fine Arts; History

[uwa.edu.au/study/history-of-art](http://uwa.edu.au/study/history-of-art)

[handbooks.uwa.edu.au/major/history-of-art](http://handbooks.uwa.edu.au/major/history-of-art)

## Human Geography and Planning

### CAREER OPPORTUNITIES

Urban planner, economic development adviser, international aid worker

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**Bachelor's degree:** Arts or Philosophy (Honours)

Creating sustainable, liveable communities and vibrant economies are key challenges facing society. Human societies must increasingly grapple with growing population and economic pressures, increasing cultural diversity and the challenge of ecological sustainability under a changing climate. You'll develop critical, technical and communicative skills to address major policy and planning challenges. major will guide you through the complex interplay of environmental, economic, social and political processes that influence the spatial organisation of human activities at a range of scales.

### Why study this course

- Acquire knowledge and skills to help resolve major urban and regional problems
- Contribute to the creation of liveable communities, vibrant economies and sustainable places
- Human Geography at UWA achieved the highest possible ranking of 'well above world standard' in the latest national assessment of research (Australian Research Council 2019)

### You'll learn to

- demonstrate an understanding of geography as an academic discipline
- plan the shaping of economic, social and ecological characteristics of cities and regions
- conduct quantitative and qualitative research into urban and regional challenges
- communicate geographical perspectives and knowledge effectively
- understand the geographic and planning methods, policies and approaches used to address urban and regional challenges

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**Trending second majors:** Landscape Architecture; Political Science and International Relations; Geographical Sciences, Anthropology and Sociology, Environmental Management

[uwa.edu.au/study/human-geography-and-planning](http://uwa.edu.au/study/human-geography-and-planning)

[handbooks.uwa.edu.au/major/human-geography-and-planning](http://handbooks.uwa.edu.au/major/human-geography-and-planning)



# Humanities in Health and Medicine

## CAREER OPPORTUNITIES

Health educator, health researcher, community health practitioner, healthcare administrator

**Bachelor's degree:** Biomedical Science or Philosophy (Honours)

The major in Humanities in Health and Medicine is an interdisciplinary, humanistic and cultural study of health, illness, healthcare and the human body, mind and spirit. You'll be prepared to care for people by bringing the traditions of humanities, inquiry, compassion and judgement to bear on the management and promotion of health and the treatment of illness.

## Why study this course

- UWA offers the first Australian undergraduate major in Humanities in Health and Medicine
- Humanities in Health and Medicine is a rapidly evolving field that looks at the meaning of health, illness and disease for people in the context of the social worlds in which they live and work
- Ideal for those who are planning a career in healthcare and who are passionate about community health and health education

## You'll learn to

- demonstrate perspectives derived from the humanities in analysing approaches and practices related to health and medicine
- explore and understand connections between health and medicine and the arts, including literature, music and visual arts
- demonstrate understanding of the historical, cultural, religious and political contexts of theories and practices related to health and medicine

**Trending second majors:** Physiology; Psychological Science

**Recommended subject:** Mathematics Applications ATAR OR higher-level mathematics unit taken in the first year

[uwa.edu.au/study/health-humanities](http://uwa.edu.au/study/health-humanities)

[handbooks.uwa.edu.au/major/health-humanities](http://handbooks.uwa.edu.au/major/health-humanities)

# Indigenous Knowledge, History and Heritage

## CAREER OPPORTUNITIES

Curator, environmental consultant, parliamentarian

**Bachelor's degree:** Arts or Philosophy (Honours)

Explore the world view and historical experiences of Indigenous peoples in Australia, and critically analyse disciplinary interpretations of Indigenous knowledges and peoples, locally, nationally and globally. Taught in an interactive manner, including field trips and excursions, this major will engage you with the perspectives of Indigenous people, Elders in the community and prominent guest speakers.

## Why study this course

- Learn about Indigenous peoples and systems of knowledge from multiple perspectives
- The major is taught in a highly interactive manner
- The knowledge, understanding and skills gained complement many other majors

## You'll learn to

- understand the experience, history and culture of Aboriginal peoples (particularly in Western Australia)
- study Indigenous systems of knowledge and the relevance of these systems across a broad range of disciplines
- critically evaluate representations of Aboriginal peoples in historical and academic discourse
- understand the major historical and cultural issues that inform present-day Aboriginal disadvantage
- gather knowledge of ethical paradigms in Aboriginal research and how to conduct independent research
- clearly express ideas in discussion and writing

**Trending second majors:** Anthropology and Sociology; Aboriginal Health and Wellbeing; Fine Arts; Landscape Architecture; Law and Society

[uwa.edu.au/study/indigenous-knowledge](http://uwa.edu.au/study/indigenous-knowledge)

[handbooks.uwa.edu.au/major/indigenous-knowledge](http://handbooks.uwa.edu.au/major/indigenous-knowledge)

## Indonesian Studies

### CAREER OPPORTUNITIES

Foreign affairs and trade officer, cultural interpreter, intelligence analyst

**Bachelor's degree:** Arts or Philosophy (Honours)

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This major enables you to achieve a high level of fluency in the language of Australia's closest neighbour and the world's fourth-largest country. As well as learning how to speak, read and write Indonesian, you'll study Indonesia's vibrant culture, ethnically diverse society and never-dull politics, graduating with skills and attributes in demand by employers in both the public and private sectors.

### Why study this course

- You'll graduate with a portfolio of skills and attributes that are in demand by employers in both the public and private sectors
- Short-term and semester-long opportunities are available to spend time studying at an Indonesian university – a life-changing experience

### You'll learn to

- demonstrate a good written and spoken competence in the Indonesian language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- engage effectively in the key debates on Indonesian history, society and culture in a professional manner, and produce coherent and well-argued written work
- demonstrate competence in a set of transferable skills, including (but not limited to) digital literacy, information management, research skills and critical thinking, as well as an ability to manage and take responsibility for your own learning processes with minimum guidance

**Trending second majors:** Anatomy and Human Biology; Asian Studies; Political Science and International Relations

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[uwa.edu.au/study/indonesian-studies](http://uwa.edu.au/study/indonesian-studies)

[handbooks.uwa.edu.au/major/indonesian-studies](http://handbooks.uwa.edu.au/major/indonesian-studies)

## Italian Studies

### CAREER OPPORTUNITIES

Cultural interpreter, teacher, journalist

**Bachelor's degree:** Arts or Philosophy (Honours)

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This major will allow you to communicate effectively in Italian, in speaking, writing, listening and reading. It also offers a wide perspective on Italian culture, in Italy itself and in Italian-speaking communities around the world, including Australia. You may start Italian as a beginner, or commence this major following school study or as a near-native speaker.

### Why study this course

- Learn to communicate in Italian and learn high-level communication skills that you can transfer to all other areas of study and work
- Gain a richer understanding of the arts, music, design, architecture, opera and food by learning a language considered by many to be the most beautiful in the world
- Enhance your educational experience with exchange programs in Italy

### You'll learn to

- communicate effectively in the Italian language in the four macroskills of language acquisition – reading, writing, listening and speaking – rated according to the Common European Framework for Languages
- interact confidently and successfully in situations involving Italian cultural conventions
- interpret Italian texts – written, audio, visual – in the light of Italian culture and society
- move with accuracy and skill between the English and Italian languages and cultures

**Trending second majors:** French Studies; Linguistics; Management

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[uwa.edu.au/study/italian-studies](http://uwa.edu.au/study/italian-studies)

[handbooks.uwa.edu.au/major/italian-studies](http://handbooks.uwa.edu.au/major/italian-studies)

# Japanese Studies

## CAREER OPPORTUNITIES

Foreign affairs and trade officer, journalist, cultural interpreter

### **Bachelor's degree:** Arts or Philosophy (Honours)

This major offers you an insight into one of Asia's foremost economic and cultural powerhouses. You'll learn and develop reading, writing, speaking and listening skills, while exploring contemporary Japanese society and culture. Studying Japanese language, culture and society means taking a significant step towards being Asia-literate – an important attribute for future global citizens, particularly in Australia.

## Why study this course

- Study with experts in Japanese studies and language education
- Attend conversation practice and functions in UWA's traditional Japanese tatami room
- Join the Japanese Students' Association for language practice, cultural exchange and networking

## You'll learn to

- show competence in the Japanese language in the four skills of language acquisition – reading, writing, listening and speaking
- operate effectively in daily conversations or complex discussions in social and academic work situations
- understand and engage with Japanese-language texts and Japan-relevant English-language material – written, audio or visual – of an intellectual nature in particular areas of interest and expertise
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- engage effectively in the key debates on Japanese history, society and culture in a professional manner
- demonstrate transferable skills such as digital literacy, information management, group working, research skills and critical thinking

**Trending second majors:** Asian Studies; Linguistics; Marketing

[uwa.edu.au/study/japanese-studies](http://uwa.edu.au/study/japanese-studies)

[handbooks.uwa.edu.au/major/japanese-studies](http://handbooks.uwa.edu.au/major/japanese-studies)



“The visual language of film and photography is my passion, among many others. The idea of creating content that engages with the audience, with stories from the various reaches of the world, is an exciting one. This was one of the reasons why I really enjoyed my time at UWA and the Communication and Media Studies major, as it gave me new experiences and road trips around the best sunsets WA can offer.”

### **ANDREW**

BACHELOR OF ARTS – COMMUNICATION AND MEDIA STUDIES

## Korean Studies

### CAREER OPPORTUNITIES

Linguist, cultural interpreter, university lecturer

**Bachelor's degree:** Arts or Philosophy (Honours)

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Learn to speak and write Korean while exploring Korean societies, politics and culture, and developing an understanding of the two Koreas' place in the world.

### Why study this course

- South Korea is one of Australia's most important trading partners, a cultural juggernaut of popular culture, and a world leader in innovation and research in engineering, technology and medical sciences, so graduates with good Korean linguistic and socio-cultural skills are highly sought after in the local and global job market
- Gain the linguistic skills to succeed in Korea-related careers after graduation, and a solid understanding of Korean society, culture, history and politics
- Have the option of studying at one of UWA's partner institutions in South Korea

### You'll learn to

- demonstrate a good written and spoken linguistic competence in the Korean language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- identify key ethical, philosophical and social characteristics of Korean culture, society and history
- engage effectively in a professional manner in the key debates on Korean history, society and culture, and produce coherent and well-argued written work
- demonstrate transferable skills such as digital literacy, information management, group working, research skills and critical thinking

**Trending second majors:** Communication and Media Studies; Economics; Linguistics

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[uwa.edu.au/study/korean-studies](http://uwa.edu.au/study/korean-studies)

[handbooks.uwa.edu.au/major/korean-studies](http://handbooks.uwa.edu.au/major/korean-studies)

## Law and Society

### CAREER OPPORTUNITIES

Human resources professional, teacher, lobbyist, researcher

**Bachelor's degree:** Arts or Philosophy (Honours)

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From human rights, crime and justice to Indigenous rights, freedom of expression and religion, and social media and the law, the Law and Society major explores the impact of legal and social policy on all areas of our lives. Through this major you'll understand, apply and adapt concepts in socio-legal studies while developing skills in research analysis, teamwork and communication.

### Why study this course

- We offer a fascinating range of broad units as an excellent foundation of law
- You'll develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- You'll improve your analytical and research skills
- Learn about current and critical topics in law today, such as terrorism and using the internet for advocacy and activism

### You'll learn to

- critique legal and social policy nationally and globally, in the context of various topics
- understand concepts in law and policy
- gain transferable interpersonal, analytical, teamwork and communication skills

**Trending second majors:** Business Law; Political Science and International Relations; Psychology in Society

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[uwa.edu.au/study/law-and-society](http://uwa.edu.au/study/law-and-society)

[handbooks.uwa.edu.au/major/law-and-society](http://handbooks.uwa.edu.au/major/law-and-society)

# Linguistics

## CAREER OPPORTUNITIES

Teacher, speech therapist, translator

**Bachelor's degree:** Arts or Philosophy (Honours)

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From sounds and words to how language is used in different societies and cultures, linguistics is the study of language and communication. This major aims to provide the broadest grounding in contemporary linguistics and enables you to specialise in your areas of interest. You'll have the opportunity to work on a variety of linguistic topics including grammatical descriptions, language variation, change and history, semantics, anthropological linguistics, or the study of Australian Aboriginal languages.

## Why study this course

- Linguistics is a robust educational foundation that equips you with the core skills an employer looks for, in particular good communication and thorough analysis
- Linguistics is the study of language, and language is key to most human interactions. As such, studying linguistics opens many doors.

## You'll learn to

- understand key focuses of, and key concepts in, core sub-areas of linguistics – phonetics, phonology, morphology, syntax, discourse analysis, semantics, pragmatics, sociolinguistics, and historical linguistics
- describe key features of major approaches to language structure, use and variation
- demonstrate knowledge of the diversity of structures across languages
- critically interpret and synthesise the content of scholarly publications in linguistics

**Trending second majors:** Anthropology and Sociology; Computer Science; Psychology in Society

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[uwa.edu.au/study/linguistics](http://uwa.edu.au/study/linguistics)

[handbooks.uwa.edu.au/major/linguistics](http://handbooks.uwa.edu.au/major/linguistics)

# Philosophy

## CAREER OPPORTUNITIES

Policy and planning manager, academic, journalist

**Bachelor's degree:** Arts or Philosophy (Honours)

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The study of philosophy involves thinking about some of the big questions we ask during our lifetime. You'll explore a vast range of influential ideas, from the ancient philosophers, whose works are preserved in manuscripts from India, China and Greece, right down to cutting-edge contemporary work on pressing ethical issues, the nature of mind and artificial intelligence.

## Why study this course

- You'll develop advanced reasoning and communication skills, depth and breadth of view, and the ability to think critically and creatively
- Improve your employment prospects while doing something that truly broadens your mind
- UWA is the only university in Western Australia that teaches units in formal logic

## You'll learn to

- analyse and evaluate arguments
- distinguish between good arguments and bad arguments, irrespective of their subject matter, and thus make informed decisions and recommendations on contentious issues
- demonstrate clarity of thought
- separate distinct issues, consider them independently and think out the consequences of positions on them
- demonstrate the general skills for thinking about problems and tasks, and framing and evaluating solutions
- frame, express and convey ideas – your own and other people's – in a clear and convincing way
- appreciate the value of different perspectives on life, society and knowledge

**Trending second majors:** English and Literary Studies; Law and Society; Political Science and International Relations

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[uwa.edu.au/study/philosophy](http://uwa.edu.au/study/philosophy)

[handbooks.uwa.edu.au/major/philosophy](http://handbooks.uwa.edu.au/major/philosophy)

# Bachelor of Philosophy, Politics and Economics

**CRICOS code** 102865B

**UWA course code** BPO12

**Minimum ATAR** 90 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$33,000 per year

## CAREER OPPORTUNITIES

Diplomat, economic/political journalist, policy adviser

All important social issues — climate change, healthcare, inequality, political participation, criminal justice, and much more besides — have philosophical, political, and economic dimensions. UWA's Bachelor of Philosophy, Politics and Economics is a rigorous course of study that equips you to engage with these issues from a uniquely interdisciplinary perspective.

## Why study Philosophy, Politics and Economics at UWA

- UWA is the only university in Western Australia to offer a Bachelor of Philosophy, Politics, and Economics
- Study all three disciplines with leading experts in their respective fields, in particular academics whose research straddles the three disciplines
- The program includes specially designed interdisciplinary units of study, where you will bring the tools of all three disciplines to bear upon pressing social, political and economic questions

## You'll learn to

- apply the tools of each discipline to problems with political, philosophy, and economic dimensions (e.g. inequality, criminal justice, climate change) and so learn to think about complex social issues in a genuinely interdisciplinary manner
- study how insights from each of the three disciplines bear upon issues in the others
- apply invaluable critical-thinking and analytical skills, and see how they can be deployed in a wide variety of contexts

[uwa.edu.au/study/bachelor-of-philosophy-politics-and-economics](http://uwa.edu.au/study/bachelor-of-philosophy-politics-and-economics)

[handbooks.uwa.edu.au/philosophy-politics-economics](http://handbooks.uwa.edu.au/philosophy-politics-economics)



# Political Science and International Relations



## CAREER OPPORTUNITIES

Parliamentarian, journalist, chief executive officer

### Bachelor's degree: Arts or Philosophy (Honours)

Develop core knowledge and professional skills to understand and critically engage with the politics of our complex, dynamic and globalised world. This major will give you an understanding of governments and political systems in Australia and internationally, and the values and ideologies that have motivated political action in modern society.

### Why study this course

- Prepare for a wide range of careers, gaining both the ability to identify connections between global, national and local phenomena, and skills in research, analysis, cross-cultural awareness, critical thinking, problem solving and communication
- Access many internship and study abroad options
- A range of important international think tanks established at UWA contribute to the teaching and learning of this major

### You'll learn to

- demonstrate an appreciation of the nature and significance of politics as a human activity
- demonstrate knowledge of multiple political systems
- demonstrate knowledge of influential normative ideas or ideologies that inform political activity

**Trending second majors:** Economics; History; Law and Society

[uwa.edu.au/study/political-science-and-international-relations](http://uwa.edu.au/study/political-science-and-international-relations)

[handbooks.uwa.edu.au/major/political-science](http://handbooks.uwa.edu.au/major/political-science)

### Sample study plan

Bachelor of Arts with a degree-specific major in Political Science and International Relations and a second major in Economics

YR1	SEM 1	The Liberal Democratic State	Health and Illness in Human Populations	Chinese 1	Microeconomics: Prices and Markets
	SEM 2	The Contemporary International System	Health and Globalisation	Chinese 2	Macroeconomics: Money and Finance
YR2	SEM 1	Foundations of Global Political Economy	Aboriginal Health and Wellbeing	Asian Societies and Cultures	Microeconomics: Policy and Applications
	SEM 2	Foundations of Public Policy	Politics in the USA	Rise of the Global Economy	Macroeconomics: Policy and Applications
YR3	SEM 1	Islam and World Politics	China Field Study (Summer School)	Development Economics	International Trade
	SEM 2	Social Movements and the Politics of Change	WA Parliamentary Research Program	Australia and Asia	Economic Policy

**Key:** ■ Political Science and International Relations degree-specific major ■ Economics second major ■ Broadening and elective units

# Psychological Science

## CAREER OPPORTUNITIES

Counsellor, academic, education adviser

**Bachelor's degree:** Science or Philosophy (Honours)

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Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements? Psychology is the scientific study of mental processes and behaviour, and is a wide-ranging discipline.

This major will provide you with a scientific understanding of our psychological processes and the relationship of these processes to brain function. You'll also develop an understanding of how these psychological processes are affected by ageing, brain damage and disease.

## Why study this course

- UWA is ranked first in Western Australia for psychology (QS 2020)
- This major provides a scientific understanding of how humans learn, remember and think, giving you more well-rounded skills that are attractive to employers
- A psychology degree is one that is increasingly valued by employers for the analytical and reasoning skills it provides

## You'll learn to

- demonstrate knowledge and understanding of psychological processes and their relationships with neurobiology
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- gain skills in the analysis and presentation of quantitative data

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**Trending second majors:** Human Resource Management; Neuroscience; Anatomy and Human Biology; Law and Society

### Prerequisite:

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

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**Recommended subject:** Mathematics Methods ATAR

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[uwa.edu.au/study/psychological-science](http://uwa.edu.au/study/psychological-science)

[handbooks.uwa.edu.au/major/psychological-science](http://handbooks.uwa.edu.au/major/psychological-science)

# Psychology in Society

## CAREER OPPORTUNITIES

Health and welfare professional, counsellor, youth worker

**Bachelor's degree:** Arts or Philosophy (Honours)

---

Psychology is a fascinating and diverse area of study that touches on many aspects of daily life. This major helps you build a scientific understanding of human behaviour and its underlying psychological processes. The major has a particular emphasis on developmental psychology, social psychology, intelligence and personality, and abnormal psychology.

## Why study this course

- Psychology is relevant for a wide range of careers
- Learn from experts at the cutting edge of the discipline
- Build a scientific understanding of human behaviour and its underlying psychological processes

## You'll learn to

- demonstrate knowledge and understanding of selected psychological processes, their development, and the relationships between them
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- demonstrate skills in the analysis and presentation of quantitative data
- demonstrate effective written and oral communication
- work effectively as a team member in solving problems

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**Trending second majors:** Anthropology and Sociology; Human Resource Management; Marketing

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[uwa.edu.au/study/psychology-in-society](http://uwa.edu.au/study/psychology-in-society)

[handbooks.uwa.edu.au/major/psychology-in-society](http://handbooks.uwa.edu.au/major/psychology-in-society)





# Psychology (Double Major)

## CAREER OPPORTUNITIES

Psychologist\*, clinical psychologist\*, industrial or organisational psychologist\*

**Bachelor's degree:** Arts or Science or Philosophy (Honours)

Psychology is a fascinating and diverse area of study that touches upon many aspects of daily life. The Psychology double major will help you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these, and the relationship of these processes to brain function.

## Why study this course

- UWA is ranked first in Western Australia for psychology (QS 2020)
- This double major is a three-year undergraduate sequence in psychology, awarded accreditation by the Australian Psychology Accreditation Council (APAC)
- We are one of two psychology schools in Australia to have its research rated 'well above world standard'

## Sample study plan

Bachelor of Science with a double major in Psychology

YR1	SEM 1	Psychology: Mind and Brain	Mathematics Fundamentals	Being Human: Culture, Identity and Society	Music Ensemble 1
	SEM 2	Psychology: Behaviour in Context	Drugs that Changed the World	Language as a Cognitive System	Music Ensemble 2
YR2	SEM 1	Introduction to Quantitative Methods in Psychology	Psychology and Social Behaviour	Social Thought	Communication and Project Planning in Health
	SEM 2	Industrial and Organisational Psychology	Language, Culture and Society	Society, Law and Politics	Ethnography: Methodological Perspectives
YR3	SEM 1	Intermediate Quantitative Methods in Psychology	Psychological Science in the Modern World	Cognitive Psychology	Psychology: Lifespan Development
	SEM 2	Psychological Measurement and Its Application	Psychology: Specialist Research Topics	Adult Psychopathology	Perception and Sensory Neuropsychology

**Key:** ■ Psychology double major ■ Broadening and elective units

\* Postgraduate study and/or training is required to register as a psychologist in Australia.

## You'll learn to

- understand psychological processes, their development, and the relations between them
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- analyse and present quantitative data

## Prerequisite (if major is taken via Bachelor of Science):

- Mathematics Applications ATAR **OR** a mathematics unit taken in the first year

**Recommended subject:** Mathematics Methods ATAR

[uwa.edu.au/study/psychology](http://uwa.edu.au/study/psychology)

[handbooks.uwa.edu.au/major/psychology](http://handbooks.uwa.edu.au/major/psychology)

## Spanish Studies

### CAREER OPPORTUNITIES

Diplomat, teacher, cultural interpreter

**Bachelor's degree:** Arts or Philosophy (Honours)

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Spanish is the second most-spoken native language in the world, and UWA is the only university in WA to offer Spanish Studies. Achieve competency in listening, speaking, writing and reading the language. Experience the culture and learn about the lifestyle and achievements of Spaniards both in Spain and in the 20 Spanish-speaking countries around the world.

### Why study this course

- More than 580 million people around the world speak Spanish as a native or second language
- Acquire a skill highly regarded by employers as a complement to skills such as engineering and business
- Network and enhance your skills through the Conversation Club, student exchange opportunities, and links with cultural organisations such as the Cervantes Institute, the Cine Latino and Spanish Film Festival, and the Embassy

### You'll learn to

- show competence in the Spanish language in the four macroskills of language acquisition – reading, writing, listening and speaking – rated according to the Common European Framework for Languages (CEFR)
- interact confidently and successfully in situations involving Spanish cultural conventions
- interpret Spanish language texts – written, audio, visual – in the light of Spanish cultures and societies
- shift with accuracy and skill between the English and Spanish languages and cultures

**Trending second majors:** German Studies; History; Linguistics

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[uwa.edu.au/study/spanish-studies](http://uwa.edu.au/study/spanish-studies)

[handbooks.uwa.edu.au/major/spanish-studies](http://handbooks.uwa.edu.au/major/spanish-studies)

## Work and Employment Relations

### CAREER OPPORTUNITIES

Human resource professional, management consultant, workplace relations adviser

**Bachelor's degree:** Arts or Philosophy (Honours)

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This multidisciplinary course blends politics, law, sociology, economics, history and more to investigate and challenge the policies and institutions designed to help both employers and employees get the most out of their relationship.

### Why study this course

- explore the relationship between work and society
- study in a multidisciplinary learning environment
- apply theory to real-life problems
- interact with a diverse range of academics and industry personnel

### You'll learn to

- understand key concepts, theories and practices in employment relations
- gain perspectives on the transformation of work and society, drawn from relevant social and legal studies
- apply theories to practical contexts and issues
- understand the interests of workers, unions, managers, employers and the state within the workplace and the broader social context of work
- formulate appropriate responses to relevant policy and managerial issues
- understand the principles of ethical behaviour and social responsibility in organisations
- work with and manage teams

**Trending second majors:** Human Resources Management; Management; Political Science and International Relations

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[uwa.edu.au/study/work-and-employment-relations](http://uwa.edu.au/study/work-and-employment-relations)

[handbooks.uwa.edu.au/major/work-and-employment-relations](http://handbooks.uwa.edu.au/major/work-and-employment-relations)



## Master of Translation Studies

### Direct Pathway

**CRICOS CODE:** 079540G

**UWA COURSE CODE:** 12520

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5-2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$35,200 per year

Gain world-class translation training at the largest language hub in Western Australia. Learn how to translate between English and one of eight Asian and European languages with our professionally endorsed postgraduate degree. Designed for graduates pursuing bilingual and multilingual careers, this course is taught by translation researchers and practitioners to help you develop a competitive edge in an increasingly globalised job market.

As part of your studies, you can choose to complete a six-week work placement, either in Australia or overseas. You can apply for your own internship, or via one of our hosts, including:

- UWA International Centre
- The Confucius Institute
- Chambers of Commerce
- The Oriental Journal
- Scoop online magazine
- WA Museum
- Government bodies
- Immigration and education agencies

These internships ensure a high level of practical training and provide the opportunity for professional contacts for future employment. On occasion, graduates gain ongoing employment with their hosts on completion of their studies.

The Master of Translation Studies is endorsed by the National Accreditation Authority of Translators and Interpreters (NAATI) making students eligible to sit the NAATI test for Advanced Certified Translator or Certified Translator, upon completion of the Master, and with no other prerequisites demanded by the accreditation body.

#### Prerequisites:

- At least one major from our eight Asian and European languages available
- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA Weighted Average Mark of 65 per cent in the Level 3 units of a relevant major

**ATAR:** 90, or 98 via BPhil (Hons)

[uwa.edu.au/study/m/translation-studies](http://uwa.edu.au/study/m/translation-studies)

# Master of International Relations

## Graduate Pathway

**CRICOS CODE:** 069311D

**UWA COURSE CODE:** 11580

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5-2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$33,800 per year

This professionally oriented course offers you the opportunity to gain deep expertise in international relations, with particular focus on our dynamic Indo-Pacific and Indian Ocean regions. It prepares you for a rewarding career in foreign affairs and diplomacy, government, international and non-governmental organisations, the media and education. The course offers credited internship and research dissertation components and engagement in our professional networks.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree with a UWA Weighted Average Mark of at least 65 per cent in the Level 3 units of a relevant major

[uwa.edu.au/study/m/international-relations](http://uwa.edu.au/study/m/international-relations)

Second-year Master of International Relations student Eric chose the international relations field as it combines several topics of interest – history, economics, politics and world affairs – and also plays to his love of travel and exploration of new places.

“It is a dynamic and continually evolving field, and it is incredibly relevant to the events happening in the world today. I also firmly believe that it is a field where I can make a genuine difference.”

Eric's interest in world affairs and passion for effecting positive change led him to assist in the Australian bushfire recovery efforts, leading a team of 21 soldiers as well as aiding in the broader planning and coordination of the recovery efforts, and helping the local communities get back on their feet.

“You don't have to be a superhero. We are all just regular people who are committed to helping our communities.”



# Master of International Development

## Graduate Pathway

**CRICOS CODE:** 083850D

**UWA COURSE CODE:** 71550

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5 years full time

**2021 MASTER'S TUITION FEES:** AUD\$38,400 per year

This course aims to provide students with key concepts, theories and tools in international development, to address increasing inequality and pervasive poverty, globally and domestically. Students are equipped with the analytical, practical and personal skills to engage critically in contemporary development challenges and debates from an interdisciplinary perspective, and to work across areas of development research, policy and practice.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree with a relevant major and a UWA Weighted Average Mark of at least 50 per cent in Level 3 units of a relevant major.

[uwa.edu.au/study/m/international-development](http://uwa.edu.au/study/m/international-development)

# Master of Strategic Communication

## Graduate Pathway

**CRICOS CODE:** 083878C

**UWA COURSE CODE:** 12540

**INTAKE:** Semester 1, Semester 2

**MASTER'S COMPLETION:** 1.5-2 years full time

**2021 MASTER'S TUITION FEES:** AUD\$35,200 per year

Develop expertise and gain highly sought-after skills in designing and managing communication strategies, projects and campaigns across a range of media platforms and professional contexts. The course advances your capacity to succeed in a range of media and communication roles, and provide effective strategy and leadership for industry, government and community.

### Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree with a UWA Weighted Average Mark of at least 65 per cent in the Level 3 units of a relevant major.

[uwa.edu.au/study/m/strategic-communication](http://uwa.edu.au/study/m/strategic-communication)



# Music and Fine Arts

Realise your full creative potential with studies in Music and Fine Arts.

Graduates of the UWA Conservatorium of Music perform in every major orchestra in Australia and as chamber musicians and soloists around the world. They are award-winning composers, creators, artists, producers and sound designers, influencing the landscape of music in Australia and globally.

At the UWA School of Design, students can take a Fine Arts major that's the only one of its kind in Australia. In the first year, you'll develop fundamental practical skills in tandem with conceptual and theoretical knowledge. In the following two years, you'll select from three specialist pathways: art and biotechnologies; film; or art and environment.

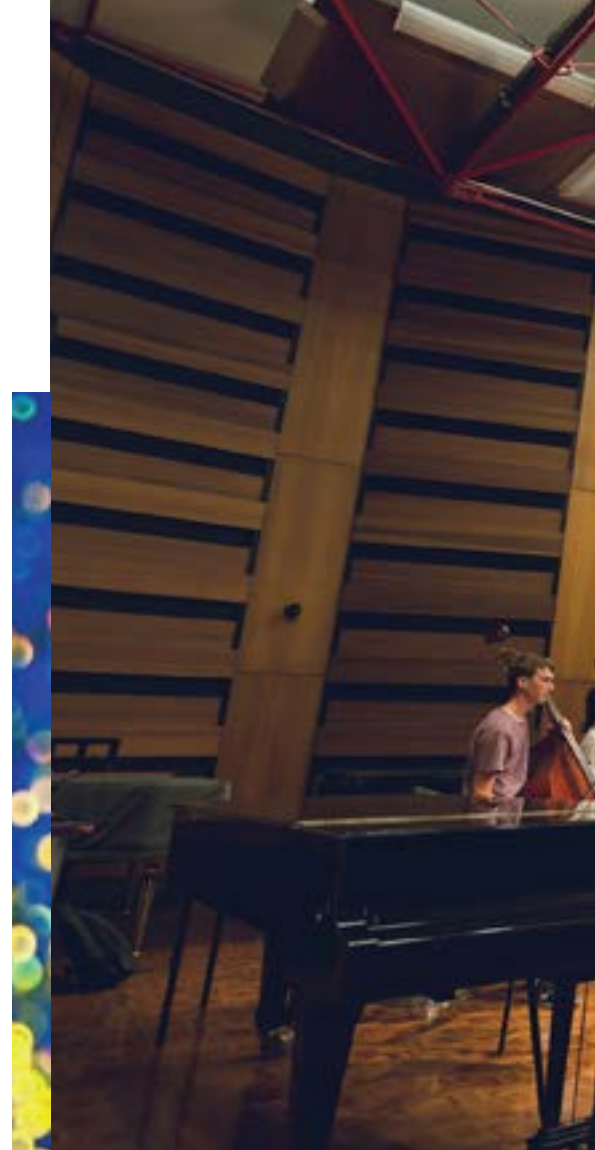
Whether you are seeking a career in the arts or simply want to pursue your passions alongside any other area of study, our unique course model enables you to incorporate Music and Fine Arts studies into your UWA experience.

## Our alumni

Many UWA Music and Fine Arts graduates have gone on to illustrious careers. Notable examples include Elise Reitze-Swensen (part of the electronic duo Feels), soprano Sara MacIver, Perth Festival Artistic Director and composer Iain Grandage, and Academy Award winner Shaun Tan.

## Top five reasons to study Music and Fine Arts at UWA

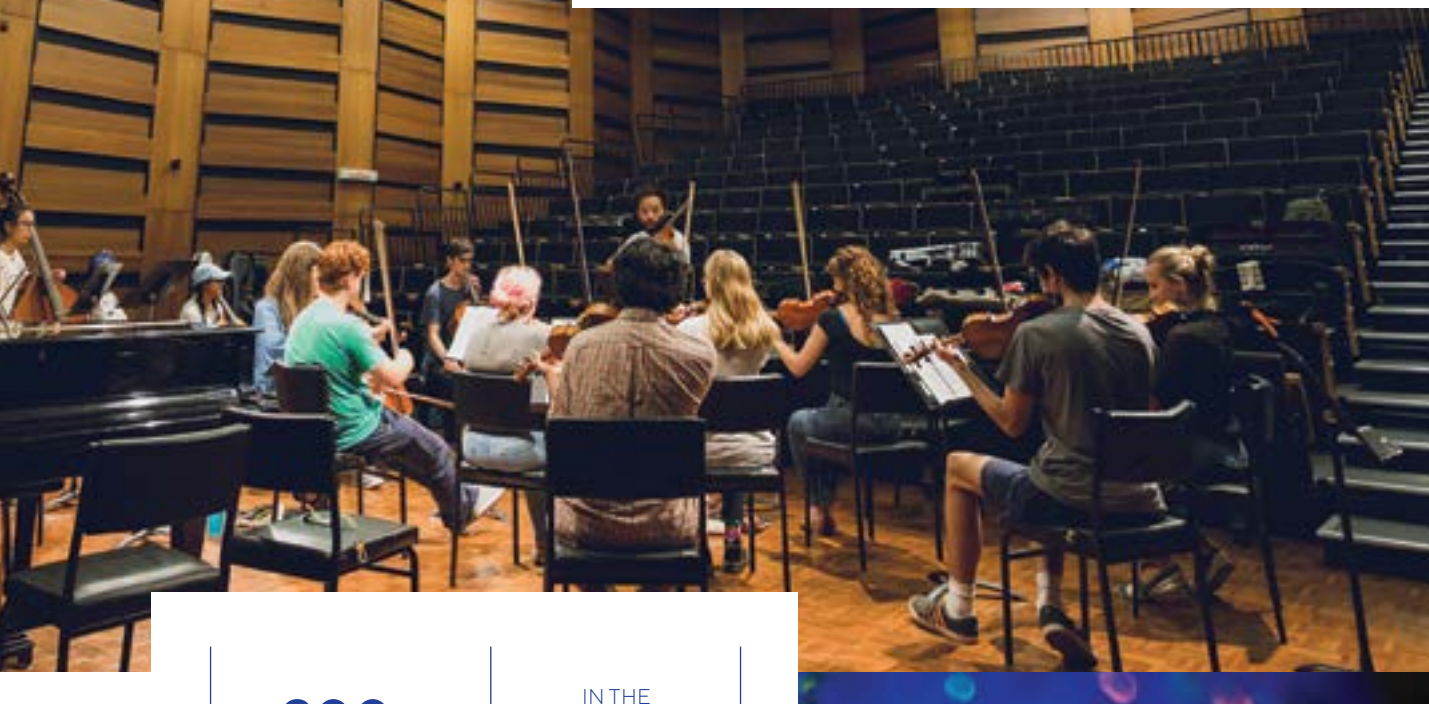
- Our courses have strong practical and creative components.
- Learn from renowned artists and musicians who have extensive industry experience.
- Prepare for a career in the arts by exhibiting at the stunning Cullity Gallery, or regularly performing on stage (solo, and in small and large ensembles).
- Have opportunities for immersive international experiences, such as a two-week Bali Studio program.
- Access outstanding facilities, including art studios and practice rooms, the Cullity Gallery, the Callaway Auditorium and the Eileen Joyce Studio (home to the Conservatorium's early keyboard collection).





### Callaway Music Auditorium

This purpose-built performance space can be adapted to suit everything from small and intimate shows through to full orchestral performances. The auditorium features outstanding acoustics and two concert grand pianos for performer use.



**200+**  
MUSIC  
PERFORMANCES  
PER YEAR

IN THE  
**WORLD'S TOP 100**  
FOR PERFORMING  
ARTS

(QS WUR BY SUBJECT 2020)

“UWA truly has a great team of contemporary artists, writers and historians who are passionate and driven to tirelessly support and mentor the next generation of artists. They are always eager to pass on their knowledge and experience within the arts industry, and often go above and beyond for their students’ projects.”

**SAMUEL**

BACHELOR OF ARTS (HONOURS) - FINE ARTS

After graduating, you could choose to enter a career or specialise further with our postgraduate courses in Fine Arts, Curatorial Studies, Biological Arts, Musical Arts and more.

## Fine Arts

### CAREER OPPORTUNITIES

Arts professional, film director, media producer

**Bachelor's degree:** Arts or Philosophy (Honours)

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This intensive, studio-based course will prepare you for a successful career as a contemporary artist. Work closely with practising artists and experts from areas such as curatorial practice, art theory and history of art, and explore artistic processes, techniques and technologies that will help establish you in the fields of contemporary art and culture.

### Why study this course

- It's the only studio-based program in Australia that develops your artistic skills while allowing you to focus on one of three areas of creative practice: Film; Art and Biotechnologies; or Art and Environment
- It's taught by world-class, internationally recognised artists

### You'll learn to

- research and create artistic concepts
- develop ideas into art in a hands-on studio environment
- develop artistic skills in a variety of methods
- turn your ideas into developmental concepts unique to the framework of creative art

**Trending second majors:** History of Art; Communication and Media Studies

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[uwa.edu.au/study/fine-arts](http://uwa.edu.au/study/fine-arts)

[handbooks.uwa.edu.au/major/fine-arts](http://handbooks.uwa.edu.au/major/fine-arts)

## History of Art

### CAREER OPPORTUNITIES

Art conservator, curator, gallery director

**Bachelor's degree:** Arts or Philosophy (Honours)

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This major provides you with the knowledge and skills to gain employment in art galleries and museums, community and public art programs, and with auction houses and major collections. You'll graduate with a comprehensive understanding of art and the specific communication skills required to engage in artistic dialogue, plus you'll possess a qualification valued by arts professionals worldwide.

### Why study this course

- Explore the ongoing significance of art as a platform for shaping and interpreting the world in which we live
- Some units are taught overseas, and recent destinations include Paris, Rome and China
- You are taught by internationally recognised art historians

### You'll learn to

- gather historical knowledge about a wide range of periods and visual media
- critically communicate about visual form
- recognise how art has shaped the history of ideas and how artists have imaged and imagined politics, religion, identity and culture

**Trending second majors:** English and Literary Studies; Fine Arts; History

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[uwa.edu.au/study/history-of-art](http://uwa.edu.au/study/history-of-art)

[handbooks.uwa.edu.au/major/history-of-art](http://handbooks.uwa.edu.au/major/history-of-art)



# Music: Electronic Music and Sound Design



## CAREER OPPORTUNITIES

Sound designer, audio engineer, performing artist

### Bachelor's degree: Arts or Philosophy (Honours)

Combine your love of music and technology in this creative-focused major, which allows you to explore industry-relevant techniques and technologies.

### Why study this course

- Learn to use the latest technology to write and produce music for film, video games, audio installations and electronic music, taught by industry specialists
- Combine your music and creativity with other subjects

### You'll learn to

- demonstrate compositional technique and identify relevant historical and stylistic conventions
- articulate broad historical perspectives on the nature and contexts of electronic music and sound art
- critically engage with key works from the early 20th century to the present day

- understand the physical properties of sound
- create original electronic music and sound artworks
- develop specialised sound-design techniques applicable in key industries of film/TV, documentary, commercials and video gaming
- use specialised computer-programming techniques for the development of custom interactive software and hardware instruments
- develop transferable skills in creative and critical thinking, research, project planning and presentation

**Trending second majors:** Computer Science; Music Studies; Music General Studies

[uwa.edu.au/study/music-electronic-music-and-sound-design](http://uwa.edu.au/study/music-electronic-music-and-sound-design)

[handbooks.uwa.edu.au/major/music-electronic-music-and-sound-design](http://handbooks.uwa.edu.au/major/music-electronic-music-and-sound-design)

## Sample study plan

Bachelor of Arts with a degree-specific major in Music: Electronic Music and Sound Design and second major in Computer Science

YR1	SEM 1	Music Theory for Electronic Musicians	Musical Revolutions	German Beginners 1	Software Engineering with Java
	SEM 2	Electronic Music: Methods and Means	German Beginners 2	Popular Music in a Global Perspective	Relational Database Management Systems
YR2	SEM 1	Electronic Music: Generative Processes	Electronic Music: Experimental Investigations	Creative Writing; Theory and Practice	Data Structures and Algorithms
	SEM 2	Electronic Music: Interactive Systems	Sound, Image and Space	Cultures, New Media and Communications	Systems Programming
YR3	SEM 1	Sound Art: Advanced Studio	Digital Media	Computer Networks	Graphics and Animation
	SEM 2	Sound Art: Major Project		Algorithms, Agents and Artificial Intelligence	Professional Computing

**Key:** ■ Music: Electronic Music and Sound Design degree-specific major ■ Computer Science second major ■ Broadening and elective units

# Music: General Studies

## CAREER OPPORTUNITIES

Musician, teacher, artistic director

### **Bachelor's degree:** Arts or Philosophy (Honours)

Combine your passion for performance or composition with other fields of study. In Music General Studies, you can develop your skills in musicology and participate in practical music-making, receiving expert one-on-one performance or composition tuition.

### Why study this course

- UWA is ranked in the world's Top 100 for Performing Arts (QS WUR by Subject 2019)
- Have more performance opportunities than any other Western Australian tertiary institution. Performance is at the heart of all studies
- Continue your musical journey alongside other areas of interest

### You'll learn to

- demonstrate a developing instrumental, vocal or composition technique
- identify, describe and apply intermediate concepts and devices in music language (harmony, rhythm, melody, timbre, texture, dynamic)
- understand music psychology, musical memory, practice strategies and composition technique
- learn and use stylistic conventions

**Trending second majors:** Engineering Science; Law and Society; English and Literary Studies

### Prerequisites:

- A practical requirement equivalent of AMEB Grade 5, demonstrated by an audition
- A portfolio is also required for applicants for composition

[uwa.edu.au/study/music-general-studies](http://uwa.edu.au/study/music-general-studies)

[handbooks.uwa.edu.au/major/music-general-studies](http://handbooks.uwa.edu.au/major/music-general-studies)

## Sample study plan

Bachelor of Arts with degree-specific major in Music General Studies and second major in Physiology

YR1	SEM 1	Practical Studies A	Music Large Ensemble 1	Being Human: Culture, Identity and Society	Human Biology I: Becoming Human
	SEM 2	Practical Studies B	Music Large Ensemble 2	Education for a Global Knowledge Society	Human Biology II: Being Human
YR2	SEM 1	Music and Practices of Listening	Practical Studies C	Music Large Ensemble 3	Physiology of Human Body Systems
	SEM 2	Music in Action	Active Leadership 1: Developing Leadership Skills	Mental Wellbeing for Today's World	Physiology of Cells
YR3	SEM 1	Practical Studies D	Music Large Ensemble 4	Physiology of Membranes, Muscles and Signalling	Physiology of Cardiovascular and Respiratory Systems
	SEM 2	Music in Film, TV and Video Games	Advanced Ensemble	Physiology of Nutrition and Metabolism	Physiology of Integrated Organ Function

**Key:** ■ Music General Studies degree-specific major ■ Physiology second major ■ Broadening and elective units

# Music: Music Studies

## CAREER OPPORTUNITIES

Musician, composer, music journalist

### **Bachelor's degree:** Arts or Philosophy (Honours)

Innovate, create and expand your knowledge through performance, composition or musicology. Develop your artistic and creative skills while gaining a broad grounding in music, with the opportunity to choose a specialist area of music study, in addition to studying common core units.

### Why study this course

- UWA is ranked in the world's Top 100 for Performing Arts (QS WUR by Subject 2019)
- You'll take part in more performances than with any other Western Australian classical tertiary program
- You'll benefit from staff who are actively engaged in music-making at the highest level

### You'll learn to

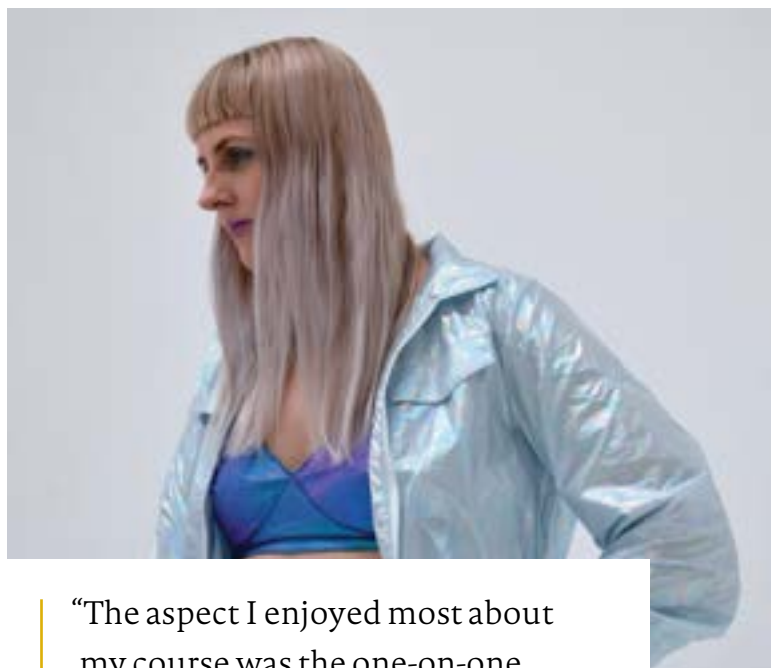
- demonstrate an established instrumental or vocal technique and a high level of musicianship in solo, small and/or large ensemble settings
- identify, describe and apply basic concepts and devices in music language (harmony, rhythm, melody, timbre, texture, dynamic)
- interpret key texts from a range of music sub-disciplines (e.g. historical musicology, ethnomusicology, psychology of music, music sociology)
- articulate broad historical perspectives on the nature and contexts of art music in Western culture
- understand various forms of world and popular music and gain basic performance skills in one non-Western musical tradition
- develop transferable skills in research, critical thinking and communication

### Prerequisites:

- A practical requirement equivalent of AMEB Grade 5, demonstrated by an audition
- A background in music theory
- No audition required if taken as a second major
- A portfolio is also required for applicants for composition

[uwa.edu.au/study/music-studies](http://uwa.edu.au/study/music-studies)

[handbooks.uwa.edu.au/major/music-studies](http://handbooks.uwa.edu.au/major/music-studies)



“The aspect I enjoyed most about my course was the one-on-one lessons with my percussion tutor and composition tutor. Being able to touch base with a creative mentor every week was essential for my development as a composer and musician. I was lucky enough to have two wonderful tutors who encouraged me to play and write music that sounded like ‘me’, while also giving insightful advice to guide my creativity.”

My study at UWA gave me the knowledge in music theory to develop my skills in composition and become the music producer I am today. I feel that my degree also prepared me for the professional music industry by giving me many rehearsals, practice and study commitments to juggle, which I have found realistic of a full-time job in music.”

### ELISE REITZE-SWENSE

UWA GRADUATE, MULTI-INSTRUMENTALIST, COMPOSER AND MUSIC PRODUCER. KNOWN AS ELECTRONIC ARTIST 'FEELS'



# Bachelor of Music

**CRICOS code** 102864C

**UWA course code** BP008

**Minimum ATAR** 75 or equivalent

**Intake months** February and July

**Completion** 3 or 4 years full time

**2021 tuition fees** AUD\$33,000 per year

## CAREER OPPORTUNITIES

Performer, composer, DJ, creative artist, music administrator, academic, music teacher, music psychologist

The Bachelor of Music provides specialisations for composers, performers and musicologists, as well as those focused on creative music technology. It provides students with professional and performance experience as a creator of music. The degree incorporates significant industry experience and other experiential learning opportunities.

## Why study Music at UWA

- UWA has a long history in developing world-class performers, composers and musicologists
- Make industry connections with the leading players in Western Australia and internationally, including WASO, WA Opera, the music industry and leading performers in the classical and music technology fields
- You'll learn from world-class teachers in your instrument and/or field
- This highly practical degree means you'll learn performance by performing

## You'll learn to

- perform, create and write about music
- understand the history of your genre
- think creatively
- express your passion through music

[uwa.edu.au/study/bachelor-of-music](http://uwa.edu.au/study/bachelor-of-music)

[handbooks.uwa.edu.au/bachelor-of-music](http://handbooks.uwa.edu.au/bachelor-of-music)

# Music (Double Major)

## CAREER OPPORTUNITIES

Performer, composer, conductor, DJ or creative artist (sound artist/designer), music administrator/arts management, music journalist, music teacher, sound or audio engineers

**Bachelor's degree:** Music or Philosophy (Honours)

Studying a double major in Music Studies and Music Specialist Studies will provide you with a rigorous, high-quality tertiary music education.

Whether your passion is performing, composing, musicology, teaching or creative music technology, this course will equip you with the skills for a career in the music profession.

## Why study this course

- Performance and practical experience is at the heart of all study, which means you'll participate in regular industry standard performances in the state's best venues
- Gain industry connections with the leading players in Western Australia and internationally, including WASO, WA Opera, the music industry and leading performers in the classical and music technology fields
- You'll learn from world-class teachers in your instrument and/or field who are actively engaged in music making at the highest level

## You'll learn to

- perform, create and write about music
- understand the history of your genre and explore music's interaction with real-world issues such as politics, gender and race

- think creatively and develop skills in critical thinking, research methods, written and oral communication and teamwork
- express your passion through music
- become a well-rounded 21st century musician, equipped for a career in the creative arts

## Prerequisites:

### Performance/Musicology/Studio Teaching Streams

- A practical requirement equivalent to AMEB Grade 7, demonstrated by an audition
- A strong background in music theory

### Composition Stream

- A practical requirement equivalent to AMEB Grade 5, demonstrated by an audition
- A strong background in music theory
- A portfolio is also required

### Creative Music Technology Stream

- A practical requirement equivalent to AMEB Grade 4, demonstrated by an audition
- A background in music theory
- A portfolio is also required

[uwa.edu.au/study/music-double-major](http://uwa.edu.au/study/music-double-major)

## Sample study plan

Bachelor of Music with Music (Double Major) – Performance, Composition, Musicology and Studio Teaching Streams

YR1	SEM 1	Music Language 1	Principal Studies 1	Musical Revolutions	Asian Societies and Cultures
	SEM 2	Music Language 2	Principal Studies 2	Popular Music in Global Perspective	Aboriginal Art and Society
YR2	SEM 1	Music Language 3	Principal Studies 3	Music and Practices of Listening	Sex, Gender and Social Life
	SEM 2	Music Language 4	Principal Studies 4	Music in Action	Media Influence
YR3	SEM 1	Music Education in Research & Practice	Principal Studies 5	Music in the Community	Industrial and Organisational Psychology
	SEM 2	Music, Society & Ideas	Principal Studies 6	Advanced Ensemble	Poetry and Poetics

Key: ■ Music (Double major) degree-specific major ■ Broadening and elective units

# Physical Sciences and Mathematics

Studies in Physical Sciences aim to uncover the underlying laws of nature – often written in the language of mathematics. They encompass chemistry, physics, statistics and more.

If you're a natural problem-solver, develop your skills in this field to tackle the fast-paced challenges in today's world.

Working alongside passionate lecturers and researchers, industry partners and like-minded student peers, you'll focus on the practical applications of physics, mathematics and statistics in a range of industries including mining, engineering, quantum technology, astronomy, medical physics, IT and tech. Our courses in this area will equip you with practical and theoretical expertise to develop effective and efficient analysis, visualisation, interpretation and technological skills that are increasingly in demand in many varied and rewarding career paths. Our graduates are working for leading organisations around the world, including Google, NASA, IBM and Microsoft.



“The world is quickly changing, and governments, industry and research organisations are all looking for people with the skills to innovate and seek new answers to problems. Big data, statistical learning and quantitative modelling are some of the most important skills in the changing world. UWA is not only the best university in Western Australia, with an incredible campus culture of clubs and societies, but the best at connecting students with research, self-development opportunities and leading industry thinkers.”

**LUKE**

BACHELOR OF PHILOSOPHY (HONOURS) – MATHEMATICS AND STATISTICS, AND ECONOMICS

By studying Physical Sciences and Mathematics at UWA, you'll get hands-on experience with high-precision instrumentation and control, data analysis, forecasting, decision-making and detailed problem-solving, and be closely involved in developing, creating and improving our everyday lives by interpreting and applying the data, IT, mathematics and physics to leading technological advances.

After graduating, you could choose to enter a career or specialise further with our postgraduate courses in Biotechnology, Geoscience, Ore Deposit Geology, Petroleum Geoscience, Physics and more.





**24<sup>TH</sup>**

IN THE WORLD FOR  
GEOLOGY

(QS 2020)

**39<sup>TH</sup>**

IN THE WORLD FOR  
GEOPHYSICS

(QS 2020)

## Top five reasons to study Physical Sciences and Mathematics at UWA

- Learn alongside passionate, engaged experts in pure and applied mathematics and statistics, including world-renowned experts in mathematical analysis, differential geometry, partial differential equations, finite groups, combinatorics, complex systems, networks, dynamical systems, numerical modelling, fluid mechanics, plasma physics, probability theory, applied statistics and data science.
- Mathematics is an in-demand skill, and essential in many growth industries such as science, technology, engineering and finance.
- Gain skills in data analysis, forecasting, decision-making and detailed problem-solving, and so forge a fulfilling and exciting career, developing creative ways to improve modern life with mathematical tools and techniques.
- Enjoy a vibrant and diverse campus culture, and make lifelong friends and connections by getting involved in some of the 140 clubs and societies, including The Mathematics Union, Women in Engineering and Mathematical Sciences, University Physics Society, Science Communication Society and more.
- Get career-ready and form close ties with local industry, hospitals, observatories, schools and government research organisations throughout your studies.

## Chemistry - Synthetic

### CAREER OPPORTUNITIES

Food and drink industry adviser, nanotechnology specialist

**Bachelor's degree:** Science or Philosophy (Honours)

Synthetic chemistry is the study of the connection between structure and reactivity of organic molecules; it is the process by which many substances important to daily life are obtained. Synthetic chemistry provides a foundation and detailed understanding of fields such as biochemistry, green chemistry, chemical engineering, food science, cosmetic and fragrance industries, materials science, nanotechnology, pharmacology and molecular biology.

### Why study this course

- It's taught by experts and award-winning academic staff who cover all the fields of synthetic chemistry
- All levels of the major include wide and comprehensive laboratory experience
- There is a high demand for chemistry graduates in a variety of industries

### You'll learn to

- understand the properties of atoms and molecules, and their reactivity
- solve chemical problems, including the calculation of yields, dilutions and stoichiometry in chemical reactions, as well as understand the theory and practical methods for creating new molecular structures
- demonstrate knowledge in reaction mechanisms, spectroscopy, chemical reactivity and the properties of many classes of compounds and materials

**Trending second majors:** Biochemistry and Molecular Biology; Pharmacology; Engineering Science

#### Prerequisites:

- Chemistry ATAR **OR** a chemistry unit in the first year\*
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subject:** Mathematics Specialist ATAR

[uwa.edu.au/study/chemistry-synthetic](http://uwa.edu.au/study/chemistry-synthetic)

[handbooks.uwa.edu.au/major/chemistry-synthetic](http://handbooks.uwa.edu.au/major/chemistry-synthetic)

\* Mid-year applicants must have Chemistry ATAR to complete their degree in three years.

## Chemistry – Physical and Analytical

### CAREER OPPORTUNITIES

Energy sector adviser, environmental agency adviser, polymer production specialist

**Bachelor's degree:** Science or Philosophy (Honours)

Studying this major provides a foundation and detailed understanding for fields such as chemical engineering, energy, materials science, geology, nanotechnology, and the environment. You'll also develop an understanding of chemistry in the energy sector, environmental processes, thermodynamics, quantum chemistry and chemical equilibrium, and the properties of polymers and surfactants.

### Why study this course

- It's taught by experts and award-winning academic staff whose experience covers all the fields of physical and analytical chemistry
- All levels of the major include wide and comprehensive laboratory experience
- There is a high demand for chemistry graduates in a variety of industries

### You'll learn to

- understand the properties of atoms and molecules, and their reactivity
- solve chemical and structural problems using both theoretical calculations and analytical measurements
- demonstrate knowledge in chemical kinetics, thermodynamics, spectroscopy, equilibria and the properties of many classes of compounds and a vast range of materials

**Trending second majors:** Engineering Science; Environmental Science; Physics

#### Prerequisites:

- Chemistry ATAR **OR** a chemistry unit in the first year\*
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subject:** Mathematics Specialist ATAR

[uwa.edu.au/study/chemistry-physical-and-analytical](http://uwa.edu.au/study/chemistry-physical-and-analytical)

[handbooks.uwa.edu.au/major/physical-and-analytical](http://handbooks.uwa.edu.au/major/physical-and-analytical)

\* Mid-year applicants must have Chemistry ATAR to complete their degree in three years.





“This experience has been so much more than I expected it would be. The teaching and learning is pretty great overall, and having the chance to talk with lecturers and learn about current research is invaluable. There are so many opportunities available – it’s a matter of taking them.”

**FAYLIESHA**

BACHELOR OF PHILOSOPHY - CHEMISTRY AND PHARMACOLOGY



# Geochemistry (Double Major)

## CAREER OPPORTUNITIES

Mineral chemist, research geochemist, exploration geochemist

**Bachelor's degree:** Science or Philosophy (Honours)

Geochemistry is the application of chemistry to understanding Earth's systems and processes. It is used to help understand a broad scope of areas such as how petroleum and mineral systems operate, and in the study of groundwater, marine and coastal habitats, the discovery of alternative forms of energy, and the exploration of other planets.

## Why study this course

- Gain fundamental skills to use geochemistry for generating environmental and mineral exploration solutions, all of which are strategically important in Western Australia and globally
- Be connected with world-class research teams across the country, as well as their industry collaborators
- This major addresses the growing skills demand in Western Australia and globally, with a real focus on employability of graduates

## You'll learn to

- understand important concepts and knowledge of materials, as well as properties and processes relevant to geology and chemistry
- gather, analyse and interpret geological and chemical data
- synthesise and integrate datasets to solve fundamental and applied earth-science problems

## Prerequisites:

- Chemistry ATAR **OR** a chemistry unit taken in the first year\*
- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

**Recommended subject:** Mathematics Specialist ATAR

[uwa.edu.au/study/geochemistry-double-major](http://uwa.edu.au/study/geochemistry-double-major)

[handbooks.uwa.edu.au/major/geochemistry](http://handbooks.uwa.edu.au/major/geochemistry)

\* Mid-year applicants must have Chemistry ATAR to complete their degree in three years.

# Geology

## CAREER OPPORTUNITIES

Geologist, environmental scientist, geophysicist

**Bachelor's degree:** Science or Philosophy (Honours)

Study how the Earth formed and evolved during the past 4.4 billion years, including the origin of continents, oceans, atmosphere and life, and how natural processes deep within Earth's interior shape the surface on which we live. Interpret geological processes and Earth history, and discover the formation of important resources and how climate and environments change through time.

## Why study this course

- With WA's vast ancient landscape and dynamic coastline, plus major mineral, energy and groundwater resources, UWA is the ideal place to study geology
- The major features laboratory and field-based experiential learning and offers opportunities to gain strong technical and professional skills for employment
- UWA students are taught by world-class researchers who undertake fundamental and applied geoscience research in collaboration with many of the exploration companies based in Perth, which provides students significant opportunities to gain important employability skills, networking and work experience

## You'll learn to

- demonstrate knowledge of key geological concepts and major geological processes at local to global scales
- demonstrate relevant practical skills to solve geological problems, with emphasis on fundamental fieldwork skills
- demonstrate developed skills in interpretation and integration of geoscience data to solve geoscience problems
- demonstrate developed skills in communicating knowledge and interpretations

**Trending second majors:** Environmental Management; Environmental Science; Engineering Science

### Prerequisites:

- Mathematics Methods ATAR **OR** Mathematics Applications ATAR with a mathematics unit taken in the first year
- Students without ATAR mathematics will take two first-year mathematics units

[uwa.edu.au/study/geology](http://uwa.edu.au/study/geology)

[handbooks.uwa.edu.au/major/geology](http://handbooks.uwa.edu.au/major/geology)

# Mathematics and Statistics

## CAREER OPPORTUNITIES

Software developer, teacher, financial analyst

**Bachelor's degree:** Science or Philosophy (Honours)

Mathematics is humanity's most powerful tool for comprehending the universe, and is essential for many fields such as science, technology, engineering and finance. This major will equip you with the mathematical tools and techniques of key disciplines of pure mathematics, applied mathematics and mathematical statistics.

## Why study this course

- Mathematics underpins the data analysis, forecasting, modelling, decision-making and problem-solving principles on which modern society depends
- The UWA Department of Mathematics and Statistics was awarded 5 out of 5 in Excellence of Research Australia in Mathematical Sciences (Pure and Applied Mathematics), and one graduate has been awarded a Fields Medal (the mathematics equivalent of a Nobel Prize)
- You will focus on practical applications of mathematics and statistics, including industrial mathematics, and applications to mining, engineering, nuclear fusion, data science, disease control and epidemiology

## You'll learn to

- demonstrate exposure to axiomatic systems and the fundamentals of mathematics (pure mathematics)
- establish the truth of a statement, and write correct and convincing proofs (pure mathematics)
- demonstrate exposure to continuous and discrete mathematics models (applied mathematics)
- reduce a problem to mathematically tractable elements and understand its applicability (applied mathematics)
- understand the mathematical and practical consequences of chance variation (mathematical statistics)
- use modern statistical computing packages for analysis and simulation (mathematical statistics)

**Trending second majors:** Physics; Engineering Science; Computer Science

### Prerequisite:

- Mathematics Specialist ATAR **OR** Mathematics Methods ATAR with an additional mathematics unit in the first year

**Recommended subjects:** Mathematics Specialist ATAR

[uwa.edu.au/study/mathematics-and-statistics](http://uwa.edu.au/study/mathematics-and-statistics)

[handbooks.uwa.edu.au/major/mathematics-and-statistics](http://handbooks.uwa.edu.au/major/mathematics-and-statistics)

# Physics

## CAREER OPPORTUNITIES

Astronomer, physicist, research scientist

**Bachelor's degree:** Science or Philosophy (Honours)

Knowledge of physics is the driving force behind most new technologies, from radars to lasers, transistors to quantum computers. Contemporary Physics is built on deep theoretical ideas that have been verified with astonishing precision by the most intricate and challenging experiments known to mankind. At its heart are the Standard Model of Particle Physics, Quantum Mechanics and Quantum Field Theory, and the law of General Relativity on curved space-time. This major gives you access to the frontiers of modern physics via a focus on mathematical, experimental and computational skills.

## Why study this course

- Understand the most advanced technologies, and explore fundamental questions, from the tiniest particles to the great cosmos and everything in between
- It is an incredibly exciting time for physics – on the horizon is an international race to make the first universal quantum computer, while ultra-sensitive experiments are being developed in search of dark matter and dark energy
- This course is accredited by the Australian Institute of Physics (AIP)

Physics is a route to many professional careers, including academic researcher, astronomer, geophysicist, medical physicist, secondary school teacher, nuclear scientist, and patent officer.

## You'll learn to

- develop increasing levels of conceptual understanding of the physical principles underpinning a wide range of applications
- develop and apply problem identification, exploration and solution skills in physical situations that range from simple to complex
- apply increasing levels of mathematics in the expression and communication of physical concepts
- develop in-depth understanding of physics measurement, experimental technique, quantitative analysis and data analysis

**Trending second majors:** Mathematics and Statistics; Engineering Science; Computer Science

### Prerequisites:

- Mathematics Specialist ATAR **OR** Mathematics Methods ATAR with an additional mathematics unit taken in the first year
- Physics ATAR or an additional physics bridging unit taken in the first year

**Recommended subjects:** Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR

[uwa.edu.au/study/physics](http://uwa.edu.au/study/physics)

[handbooks.uwa.edu.au/major/physics](http://handbooks.uwa.edu.au/major/physics)

## Sample study plan

Bachelor of Science with degree-specific major in Physics and second major in Mathematics and Statistics\*

YR1	SEM 1	Physics for Scientists and Engineers	Multivariable Calculus	Software Engineering with Java	Being Human: Culture, Identity and Society
	SEM 2	Mathematical Theory and Methods	Modern Physics	Economic and Business Statistics	Computational Thinking with Python
YR2	SEM 1	Quantum Physics and Electromagnetism	Introduction to Applied Mathematics	Network Science	Logic: How to Defeat Your Foes with Reasoning
	SEM 2	The Physics of Particles	Advanced Mathematical Methods	Fundamentals of Probability with Applications	Statistics for Science
YR3	SEM 1	Quantum Mechanics and Atomic Physics	Astrophysics and Space Science	Nonlinear Dynamics and Chaos	Algebraic Structures and Symmetry
	SEM 2	Electrodynamics and Relativity	Frontiers in Modern Physics	Spatial Statistics and Modelling	Discrete Structures

**Key:** ■ Physics degree-specific major ■ Mathematics second major ■ Broadening and elective units

\* This plan takes into account all prerequisites and recommended prerequisites for the Physics and Mathematics and Statistics units.



# Honours at UWA

Honours study develops your knowledge and skills as an independent researcher, under the supervision of a member of staff with expertise in your chosen area.

## Why study an honours degree?

Successfully completing an honours degree not only prepares you for higher-degree study at master's and PhD level, but demonstrates to prospective employers a higher capacity for independent learning and research, along with enhanced problem-solving, critical-thinking, independent-learning and communication skills.

To be eligible for admission to your chosen honours course at UWA, you must:

- successfully complete a bachelor's degree (or equivalent) from a recognised university, demonstrating a strong academic performance in the final-year units of the major you intend to undertake
- ensure you confirm the specific entry requirements for your chosen honours specialisation

Your degree will normally need to be completed within seven years of starting honours (depending on the course).

## What can I study?

Honours study is available in our Advanced Computer Science, Arts, Biomedical Science, Commerce, Philosophy and Science degrees. Find out which honours specialisations are currently on offer at UWA at [uwa.edu.au/study/courses-and-careers/honours](http://uwa.edu.au/study/courses-and-careers/honours)

“My honours project is enabling me to combine my Science degree in Conservation Biology with my interest in Indigenous culture.”

**KIERAN**  
BACHELOR OF SCIENCE (HONOURS)

# Bachelor of Arts

**CRICOS code** 003005D

**UWA course code** BPO01

**Minimum ATAR** 75 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$33,000 per year

## CAREER OPPORTUNITIES

Politician, ambassador, author, journalist, anthropologist, historian, policy adviser, teacher, entrepreneur

Studying UWA's Bachelor of Arts lets you cultivate your passions while developing transferable skills that are essential in every industry and can never be automated – they'll set you apart from the competition and prepare you for a future-proof career.

## Why study Arts at UWA

- Our Bachelor of Arts is one of the most diverse degrees in Western Australia
- You'll be taught by renowned scholars and researchers who are international leaders and experts in their fields
- You can get hands-on industry experience through our professional experience practicum
- We're the largest language hub in the state
- Our Arts graduates include the founder of Mecca Cosmetics, an Academy Award-winning artist, a film maker, the CEO of Greenpeace APAC and a former federal minister, to name a few

## You'll learn to

- develop high levels of communication, research and technical expertise
- develop strong reasoning ability, problem-solving, and critical and creative-thinking skills
- employ skills in responsibility and leadership
- develop the communication skills you'll need to stand out in a global workforce

## Majors

- Anthropology and Sociology
- Archaeology
- Asian Studies
- Chinese Studies
- Classics and Ancient History
- Communication and Media Studies
- Criminology
- English and Literary Studies
- Fine Arts
- French Studies
- Gender Studies (second major only)
- German Studies
- History
- History of Art
- Human Geography and Planning
- Indigenous Knowledge, History and Heritage
- Indonesian Studies
- Italian Studies
- Japanese Studies
- Korean Studies
- Law and Society
- Linguistics
- Music: Electronic Music and Sound Design
- Music: General Studies
- Music Studies
- Philosophy
- Political Science and International Relations
- Psychology (double major)
- Psychology in Society
- Spanish Studies
- Work and Employment Relations

# Bachelor of Biomedical Science

**CRICOS code** 095001B

**UWA course code** BPO06

**Minimum ATAR** 80 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$40,100 per year

## CAREER OPPORTUNITIES

Medical researcher, policy adviser, health promotion officer, exercise physiologist, biochemist, laboratory manager, pharmacist\*, medical practitioner\*

Our Bachelor of Biomedical Science encompasses the biological basis of human structure and function, and the application of this knowledge to disease, wellbeing and society. It's an exciting degree designed to meet growing global demand for health graduates. Some of your classes are held in cutting-edge labs at the UWA Health Campus, located on the QEIIIMC site in Nedlands. As the largest medical centre in the Southern Hemisphere, it's surrounded by major public hospitals and internationally renowned organisations, including the Harry Perkins Institute of Medical Research, PathWest and the Telethon Kids Institute.

## Why study Biomedical Science at UWA

- You'll be taught by world-class researchers in cutting-edge laboratories and tutorial rooms
- You'll learn from and network with some of the world's brightest minds
- UWA is ranked 33rd in the world for Human Biological Sciences (ARWU 2020)
- This degree may include laboratory-based learning, practical industry placements, or research projects, ensuring you are ready to enter the global workforce

\* Postgraduate studies required.

<sup>1</sup> The Integrated Medical Sciences and Clinical Practice double major is only available to students on a Direct Pathway to the Doctor of Medicine.

<sup>2</sup> The Medical Sciences major requires a 94 ATAR or equivalent. Quota restrictions apply for this course.

## You'll learn to

- bridge the gap between academic theory and real-world experience, ensuring you are ready to enter the global workforce
- develop the essential knowledge and skills to impact the health of people and populations
- gain a sound understanding of how the human body functions in healthy and diseased states, barriers to healthcare and methods for treatment

[uwa.edu.au/study/bachelor-of-biomedical-science](http://uwa.edu.au/study/bachelor-of-biomedical-science)

## Majors

- Aboriginal Health and Wellbeing
- Anatomy and Human Biology
- Biochemistry and Molecular Biology
- Exercise and Health
- Genetics
- Humanities in Health and Medicine
- Integrated Medical Sciences and Clinical Practice (double major)<sup>1</sup>
- Medical Sciences<sup>2</sup>
- Microbiology and Immunology
- Neuroscience
- Pathology and Laboratory Medicine
- Pharmacology
- Physiology
- Population Health

# Bachelor of Science

**CRICOS code** 068914G

**UWA course code** BPO04

**Minimum ATAR** 80 or equivalent

**Intake months** February and July

**Completion** 3 years full time

**2021 tuition fees** AUD\$40,100 per year

## CAREER OPPORTUNITIES

Agricultural scientist, environmental consultant, marine conservationist, zoologist, biochemist, software developer, analyst, engineer\*, forensic scientist, psychologist\*, sports coach, astronomer

Our Bachelor of Science gives you the skills and knowledge to make a real contribution to the challenges facing humanity. Scientists study the universe, its properties, the life that exists within it and the laws that govern it. Discipline areas range from cutting-edge pure and applied science to new multidisciplinary fields. The importance of science in determining the wellbeing of our society is recognised by industry, business and government.

## Why study Science at UWA

- You'll be taught by the world's leading teachers and researchers
- You'll gain highly valued and sought-after skills that will ensure you are well prepared for many diverse and exciting careers
- You'll have work integrated learning (WIL) opportunities to gain practical industry experience and employability skills

## You'll learn to

- explore and investigate the big issues confronting our planet
- develop skills in reasoning, logic, observation, analysis, creativity and more
- gain practical, hands-on, industry-relevant experience and skills
- bridge the gap between theory and practice through work experience opportunities
- think critically and push boundaries

[uwa.edu.au/study/bachelor-of-science](http://uwa.edu.au/study/bachelor-of-science)

\* Postgraduate studies required

<sup>1</sup> Available in a Combined Bachelor's and Master's (CBM)

## Majors

- Agribusiness
- Agricultural Science
- Agricultural Science and Agribusiness (double major)<sup>1</sup>
- Agricultural Science and Technology (double major)<sup>1</sup>
- Agricultural Technology
- Anatomy and Human Biology
- Biochemistry and Molecular Biology
- Biochemistry of Nutrition (double major)<sup>1</sup>
- Botany
- Chemistry – Synthetic
- Chemistry – Physical and Analytical
- Computer Science
- Conservation Biology
- Cybersecurity
- Data Science
- Engineering Science
- Environmental Management
- Environmental Science
- Environmental Science and Management (double major)<sup>1</sup>
- Exercise and Health
- Genetics
- Geochemistry (double major)
- Geographical Sciences
- Geology
- Integrated Earth and Marine Sciences (double major)<sup>1</sup>
- Marine and Coastal Processes
- Marine Biology
- Marine Science (double major)<sup>1</sup>
- Mathematics and Statistics
- Microbiology and Immunology
- Molecular Life Sciences (double major)<sup>1</sup>
- Neuroscience
- Physics
- Physiology
- Psychological Science
- Psychology (double major)
- Sport Science
- Sport Science, Exercise and Health (double major)
- Wildlife Conservation (double major)<sup>1</sup>
- Zoology



# Bachelor of Philosophy (Honours)

**CRICOS code** 068916E

**UWA course code** BH005

**Minimum ATAR** 98 or equivalent

**Intake months** February

**Completion** 4 years full time

**2021 tuition fees** AUD\$42,800 per year

This highly competitive course represents an exciting and distinctive experience for high-achieving students. It offers an innovative curriculum with an individually designed academic program, focusing on your chosen area of specialisation.

## Why study Philosophy (Honours) at UWA

Our Bachelor of Philosophy (Honours) course ensures you develop high-level research and communication skills that prepare you for the challenges of achieving the highest international standards of excellence. It includes a scholarship-supported study abroad experience, academic mentoring, professional skills development and an on-campus residential experience prior to the start of your first semester (usually in the week before orientation).

While many graduates choose to pursue postgraduate studies, courses leading to specific professional qualifications, or careers in research, the intensive focus of the degree on developing analytical, teamwork and communication skills will ensure you are highly employable upon graduation.

## What you can study

This course gives you the freedom to choose a major from any of our bachelor's degrees. It is an integrated honours degree with research embedded throughout the four-year course, and the opportunity to learn a language.

The BPhil Residence, held prior to the start of your first semester, is an integral part of the course and is designed to introduce you to the academic expectations of this degree. In your first semester, you will complete the first-level unit Global Challenges, Research and Leadership, and take part in a group research project. This forms the basis of your subsequent research training.

Throughout your course you will participate in collaborative and interdisciplinary research projects, work closely with a research mentor from your chosen field of study, develop your own research project with an academic supervisor, present your research orally, produce a research dissertation, undertake an overseas study experience, and have the opportunity to meet international research leaders visiting the University.

[uwa.edu.au/study/bachelor-of-philosophy](https://uwa.edu.au/study/bachelor-of-philosophy)

# How to apply



## 1. Choose your degree

Choosing what to study is a personal choice and we'd encourage you to select what interests you. You can find out more about our courses at [uwa.edu.au/study](http://uwa.edu.au/study)

If you're unsure, talk to our Future Students team to discuss your options.

## 2. Check entry requirements

Entry to most courses is assessed on your ATAR score or equivalent, as well as English language requirements. For some courses there are additional entry requirements and/or prerequisites. Check your chosen course entry requirements at [uwa.edu.au/study](http://uwa.edu.au/study) or visit [uwa.edu.au/study/how-to-apply/undergraduate-international](http://uwa.edu.au/study/how-to-apply/undergraduate-international) for more information.

## 3. Choose your entry pathway

There are many ways to join UWA – choose the UWA entry pathway that suits you best.

## 4. Apply online

To start your application, visit [uwa.edu.au/study](http://uwa.edu.au/study) and create a profile by clicking on the 'Login' button on the top right-hand corner of the page. If it's your first time applying to UWA, create a profile by selecting the 'sign up' tab. Once you've signed up, submit all required documentation in digital format.

### OR

Submit your application through a UWA overseas representative in your country. A complete list of representatives can be found at [uwa.edu.au/study/agents](http://uwa.edu.au/study/agents)

Be sure to complete all required fields in your application, including uploading all required documentation, to minimise delays in assessing your application.

## 5. Accept your offer

You'll receive the outcome of your application via email. If your application is successful, details on how to accept your offer will be provided in your offer email. You can find out more at [uwa.edu.au/unistart](http://uwa.edu.au/unistart)

You may be required to submit scans or clear photographs of any requested documents, agree to the terms and conditions of studying at UWA, and then make your first payment.

## 6. Pre-enrolment information

When the University confirms all submitted documents are correct, you have met the English language requirements for your course, and your first payment has been received, you will be issued a Confirmation of Enrolment (CoE) package that contains a letter of welcome including a Confirmation of Enrolment and links to our pre-departure and on-campus accommodation guides.

## 7. Enrol online

You can enrol in your course at [uwa.edu.au/unistart/enrol](http://uwa.edu.au/unistart/enrol)

## 8. Flights and visa

You are required to make your own travel and student visa arrangements. UWA's overseas representatives can help with these arrangements if you need any additional advice or assistance.

In some countries, student visas can be obtained electronically. Visit [homeaffairs.gov.au](http://homeaffairs.gov.au)

## We're here to help

If you're unsure if your results qualify you for entry, or you would like more details on how to apply, contact our Future Students Centre to discuss your options. Call us on **+61 8 6488 1000**, or visit [ask.uwa.edu.au](http://ask.uwa.edu.au)



# Entry pathways

## Secondary school leavers

UWA accepts a number of overseas secondary education qualifications as satisfying the entry requirements to UWA degrees.

Entry to undergraduate courses is offered to all students who achieve the required entry score for the undergraduate program of their choice. Students are also required to meet the English language requirements of the University and prerequisites for chosen majors.

For more information, see the page on academic entry requirements, or visit [uwa.edu.au/study/how-to-apply/international-and-overseas-qualifications](https://uwa.edu.au/study/how-to-apply/international-and-overseas-qualifications)

## Foundation and diploma programs

Some students may not be eligible to study an undergraduate course at UWA directly after completing high school in their home countries. These students are encouraged to take a pre-university course such as a foundation program or a diploma.

There is a range of foundation or diploma programs that UWA accepts. For a list of these programs, visit [uwa.edu.au/study/international-students/courses-and-entry-requirements](https://uwa.edu.au/study/international-students/courses-and-entry-requirements)

## Credit transfer/advanced standing

### Higher education study

UWA may grant academic credit for study undertaken at another tertiary institution or college if the subjects completed are equivalent in content and standard to those taught at UWA, and are relevant to the chosen course.

UWA has credit arrangements in place for a number of Singaporean, Malaysian and Hong Kong polytechnics and educational institutions.

# Academic entry requirements

DEGREE				
BACHELOR'S DEGREE	Arts; Business; Environmental Design; Music	Biomedical Science; Commerce; Science	Automation and Robotics	
DIRECT PATHWAY		Master of Professional Engineering; Master of Teaching		
ATAR <sup>1</sup>	75	80	88	
The University of Western Australia Foundation Program (UWAFP)	61	66	69	
Western Australian Universities' Foundation Program (WAUFP)	56	60	68	
NCUK International Foundation Year <sup>2</sup>	6.5	8.0	11.0	
Monash University Foundation Year (MUFY) <sup>3</sup>	254	270	300	
Trinity College Foundation <sup>4</sup>	280	300	332	
UNSW Foundation Studies	6.7	7.0	7.4	
All India Senior School Certificate (CBSE) <sup>5</sup>	9.0	12.0	15.0	
Canadian Matriculation (except Quebec) <sup>6</sup>	68	70	78	
Chinese Unified Examination (UEC) <sup>7</sup>	14	12	9	
French Baccalaureat	10	12	13	
Gao Kao (PR China NCEE)/750	507	525	555	
GCE A-Levels <sup>8</sup>	7	8	11	
German Abitur	3.6	3.3	2.7	
Hong Kong Diploma of Secondary Education <sup>9</sup>	14	15	17	
Indian Senior School Certificate (CISCE) <sup>10</sup>	45	60	75	
Indonesian Sekolah Menengah Atas (SMA) - Pass of 65	75.50	79.00	84.60	
International Baccalaureate Diploma (IB) <sup>11</sup>	25	27	31	
Malaysian STPM <sup>12</sup>	7	8	11	
Norwegian Vitnemål	3.8	4	4.5	
Singapore-Cambridge A Levels <sup>13</sup>	6.5	8.0	11.0	
South African National Senior Certificate <sup>14</sup>	4.0	4.6	5.6	
South Korea College Scholastic Ability Test (CSAT) <sup>15</sup>	324	330	341	
Swedish Slutbetyg	14.5	15.0	16.5	
ACT and High School Diploma GPA <sup>16</sup>	23 & 3.0	24 & 3.0	26 & 3.2	
US College Board Advanced Placement (AP) <sup>17</sup>	7	8	11	
US College Board SAT and High School Diploma GPA <sup>18</sup>	1130 & 3.0	1150 & 3.0	1270 & 3.2	

- Includes WACE, SAM, HSC, VCE, Ausmat etc.
- The aggregate is calculated from points, from the best three modules, where one module can be substituted with two half modules, with points assigned to grades i.e. Grade (Full mode) A\*=5, A=4, B=3, C=2, D=1, E=0. Grade (Half module) A\*=2.5, A=2, B=1.5, C=1, D=0.5, E=0. English for Academic Purposes (EAP) is not counted.
- Aggregate is calculated from the best eight passed units and divided by two for the final score.

- Average of best four subjects.
- Awarded by the Central Board of Secondary Education. Overall grades in best four externally examined subjects: A1=5, A2=4.5, B1=3.5, B2=3, C1=2, C2=1.5, D1=1, D2=0.5. Different examination, graduation and subject requirements apply for each of the provinces.
- Grade average of best five or six Provincially Examined or University/ College Preparation courses.

- Points are aggregated from the best four academic subjects: A1=1, A2=2, B3=3, B4=4, B5=5, B6=6.
- For GCE A levels: A\*=7 pts, A=5 pts, B=4 pts, C=3 pts, D=1 pt, E=0 pts.
- Aggregate of best four subjects, calculated on the basis that: 5\*=6, 5=5.5, 5=5, 4=4, 3=3, 2=0, 1=0 for Category A subjects, or A\*=6, A=5, B=4, C=3, D=2, E=1 for Category C subjects.
- Grade average in best four subjects.

To be eligible for entry into an undergraduate program at UWA, you will need to: demonstrate academic performance through your school-leaving qualification or previous university study, achieve UWA's requirement for English language competence and satisfy the prerequisite subject(s) for your preferred major(s).

	Philosophy, Politics and Economics	Advanced Computer Science (Honours)			Philosophy (Honours)
	Combined Bachelor's and Master's programs Master of Translation Studies	Master of Architecture; Master of Landscape Architecture	Master of Pharmacy; Doctor of Podiatric Medicine	Juris Doctor; Doctor of Medicine; Doctor of Dental Medicine	
	90	92	94	96	98
	70	72	75	78	83
	70	72	74	78	85
	12.0	12.5	13.5	14.0	14.5
	308	316	324	332	336
	338	342	346	352	360
	7.6	7.8	8.0	8.8	9.3
	16.0	16.5	17.5	18.0	19.0
	80	82	85	89	94
	8	7	6	5	5
	13.5	13.5	14	15	15.5
	570	585	615	645	675
	12	13	14	14	15
	2.6	2.4	2.2	1.9	1.5
	17.5	18	19	20	22
	79	82	87	90	95
	86.00	87.40	88.80	90.20	91.60
	31	33	34	36	39
	12	13	14	14	15
	4.6	4.8	5	5.2	5.6
	12.0	12.5	13.5	14.0	14.5
	5.8	6.0	6.3	6.5	6.8
	344	348	353	358	366
	16.5	17.0	17.5	18.0	19.0
	26 & 3.2	27 & 3.4	28 & 3.5	29 & 3.7	31 & 3.8
	12	13	14	14	15
	1270 & 3.2	1290 & 3.4	1360 & 3.5	1390 & 3.7	1440 & 3.8

- UWA applies a Mathematics bonus to the IB Diploma. Overall IB score required depends on the Maths subject level and score.
- The aggregate is calculated according to the following grade points: A=5, A-=5, B+=4, B=3, B-=2, C+=2, C=1.
- The aggregate is calculated from a minimum of two (and no maximum) H2 Level subjects, and one content-based H1 subject. At H2 Level: A=5, B=4, C=3, D=2, E=1; and at H1 Level: A=2.5, B=2, C=1.5, D=1, E=0.5.
- Grade average of best six subjects in final year, excluding Life Orientation.
- The score is the sum of the scores of four Standard Scores in: Korean Language, Mathematics, plus the two best subjects from either Science or Social Studies.
- Applicants must have taken the ACT within the past two years, in conjunction with a recognised high school qualification.
- Applicants must have passed a minimum of two Advanced Placement exams with the US College Board in conjunction with a recognised high school qualification.
- Applicants must have taken the SAT with the US College Board within the last two years in conjunction with a recognised high school qualification.

# English language requirements

QUALIFICATION EQUIVALENTS	UWA REQUIREMENTS
ALL INDIA EXAMINATION (CBSE) OR INDIAN SCHOOL CERTIFICATE (CISCE)	English language components with a minimum grade B2 (CBSE) or 60 per cent (CISCE)
AUSTRALIAN YEAR 12	A pass in acceptable English/English Literature subject
FOUNDATION PROGRAMS – GO8 UNIVERSITIES	An appropriate pass in the English paper of a Go8 foundation program
GCE A LEVEL	Minimum grade in E in English Language, English Literature or English Language and Literature
GCE AS LEVEL (GENERAL PAPER)	Minimum grade C awarded by CIE
GCE A LEVEL (SINGAPORE-CAMBRIDGE)	Minimum grade E in Knowledge and Inquiry Minimum grade C in General Paper
GCE O LEVEL (GCSE AND IGCSE)	Minimum grade C, C6 or 4 in English, English Language, English (First Language) or English Literature Minimum grade A or 7 in IGCSE English as a Second Language, with grade one (1) in Oral/Aural Communication
GERMAN ABITUR	Minimum grade 3, in conjunction with a minimum grade B in DAAD (German Academic Exchange Service) Certificate of Language Proficiency test
HONG KONG DIPLOMA OF SECONDARY EDUCATION (HKDSE)	Core English Language, minimum level 4 Literature in English elective, minimum level 3
IELTS (ACADEMIC)	Overall minimum score of 6.5, no band lower than 6.0
INTERNATIONAL BACCALAUREATE DIPLOMA (IB)	English A1 at HL or SL, minimum score 4 English A2 at HL or SL, minimum score 4 English B at HL, minimum score 5
NORWEGIAN VITNEMAL	Minimum grade 4 in the English component
PEARSONS TEST OF ENGLISH (PTE) (ACADEMIC)	An overall score of 64 with a minimum score of 59 in the speaking and writing sections, and no less than 54 in the other sections
TOEFL	Internet-based TOEFL (iBT): an overall score of 82 or above with a minimum score of 22 in writing, 18 in reading, 20 in speaking and 20 in listening
US HIGH SCHOOL DIPLOMA	Year 12 English Paper grade of B or higher
ACT	English section grade of 25
SAT	Evidence-based Reading and Writing section grade of 600

For a full list of the University's English language requirements, refer to [study.uwa.edu.au/etc](http://study.uwa.edu.au/etc). Results are valid for two years only. A higher level of English is required for some courses.

# Help with English language skills

## UWA Centre for English Language Teaching (UWA CELT)

UWA CELT offers accredited English Language Intensive Courses for Overseas Students (ELICOS), programs in General English and English for Academic Purposes, as well as preparation for IELTS as an internationally recognised examination.



## Academic English and Study Skills Bridging Course (Bridging Course)

The bridging course has been designed for international students who wish to study at UWA but do not have the University's required level of English proficiency. The course is also suitable for students with unconditional entry into UWA who would like to further develop their language ability, study and research skills, and confidence before commencing tertiary study.

A 70 per cent pass in the bridging course meets the University's English language requirement for most undergraduate and postgraduate courses, although some postgraduate courses have a higher English language requirement<sup>1</sup>.

[celt.uwa.edu.au](http://celt.uwa.edu.au) | +61 8 6488 3539

REQUIREMENTS	20-WEEK PROGRAM	10-WEEK PROGRAM
IELTS (ACADEMIC)	5.5 with no band score below 5.0	6.0 with no band score below 5.5
INTERNET-BASED TOEFL	Overall 58 (minimum 18 in writing, 16 in speaking, and 12 in listening and reading)	Overall 70 (minimum 20 in writing, 19 in speaking, 17 in listening, and 14 in reading)
CAMBRIDGE FIRST CERTIFICATE IN ENGLISH	Minimum score of 60 and borderline for each skill	Minimum score of 75 and good for each skill
PEARSON TEST OF ENGLISH (ACADEMIC)	Overall score of 49 with no individual score below 42	Overall score of 54 with no individual score below 54
UWA CELT GENERAL ENGLISH	Upper-intermediate with a minimum of 70 per cent (no individual skill below 60 per cent)	Pre-advanced with a minimum of 69 per cent (no individual skill below 65 per cent)
UWA CELT ENGLISH FOR ACADEMIC PURPOSES	Minimum of 60 per cent (no individual skill below 55 per cent)	Minimum of 65 per cent (no individual skill below 60 per cent)
WACE EALD STAGE 3 (ENGLISH AS AN ADDITIONAL LANGUAGE OR DIALECT)	Overall scaled score of 35–39.9	Overall scaled score of 40–49.9

1. If entry requirements for tertiary courses are higher than 6.5 and nothing below 6.0, then entry into the 10-week bridging course will be no less than 0.5 lower for each individual band and for the overall score. Please refer to the UWA CELT website for further information: [celt.uwa.edu.au/courses/pathways](http://celt.uwa.edu.au/courses/pathways).



# Useful links and important dates

## JOIN UWA

APPLY ONLINE

[uwa.edu.au/apply](http://uwa.edu.au/apply)

FIND AN INTERNATIONAL AGENT

[uwa.edu.au/study/international-students/find-an-international-agent](http://uwa.edu.au/study/international-students/find-an-international-agent)

SCHOLARSHIPS

[uwa.edu.au/study/UWA-funded-scholarships](http://uwa.edu.au/study/UWA-funded-scholarships)

STUDY AT UWA

[uwa.edu.au/study](http://uwa.edu.au/study)

RESEARCH AT UWA

[research.uwa.edu.au](http://research.uwa.edu.au)

ENGLISH LANGUAGE PROGRAMS

[celt.uwa.edu.au](http://celt.uwa.edu.au)

PATHWAY PROGRAMS

[uwa.edu.au/study/how-to-apply/admission-entry-pathways](http://uwa.edu.au/study/how-to-apply/admission-entry-pathways)

ACCEPT YOUR OFFER

[uwa.edu.au/accept](http://uwa.edu.au/accept)

## MORE ABOUT UWA

UWA HOMEPAGE

[uwa.edu.au](http://uwa.edu.au)

ARTS, BUSINESS,  
LAW AND EDUCATION SCHOOLS

[uwa.edu.au/able](http://uwa.edu.au/able)

ENGINEERING AND MATHEMATICAL  
SCIENCES SCHOOLS

[uwa.edu.au/ems](http://uwa.edu.au/ems)

HEALTH AND  
MEDICAL SCIENCES SCHOOLS

[uwa.edu.au/health](http://uwa.edu.au/health)

SCIENCE SCHOOLS

[uwa.edu.au/science](http://uwa.edu.au/science)

GRADUATE RESEARCH SCHOOL

[postgraduate.uwa.edu.au](http://postgraduate.uwa.edu.au)

UWA CAREERS CENTRE

[careers.uwa.edu.au](http://careers.uwa.edu.au)

INTERNSHIPS AT UWA

[uwa.edu.au/education/internships-at-uwa](http://uwa.edu.au/education/internships-at-uwa)

LIFE AT UWA

[uwa.edu.au/study/international-students](http://uwa.edu.au/study/international-students)

UWA ALUMNI

[alumni.uwa.edu.au](http://alumni.uwa.edu.au)

OUR WORLD-CLASS ACADEMICS

[research-repository.uwa.edu.au/en/persons](http://research-repository.uwa.edu.au/en/persons)







	ORIENTATION	SEMESTER DATES	EXAMS
<b>SEMESTER 2, 2021</b>	19 JULY – 23 JULY	26 JULY – 22 OCT	30 OCT – 12 NOV
<b>SEMESTER 1, 2022</b>	21 FEB – 25 FEB	28 FEB – 27 MAY	4 JUNE – 17 JUNE
<b>SEMESTER 2, 2022</b>	18 JULY – 22 JULY	25 JULY – 21 OCT	29 OCT – 11 NOV

Dates are subject to change without notice and some courses have an earlier start date. For more information visit [uwa.edu.au/students/my-course/important-dates](https://uwa.edu.au/students/my-course/important-dates).

## LIVING IN PERTH

UWA ON-CAMPUS ACCOMMODATION

[uwa.edu.au/study/student-life/accommodation/live-on-campus](https://uwa.edu.au/study/student-life/accommodation/live-on-campus)

UWA OFF-CAMPUS ACCOMMODATION

[uwacrawleyvillage.studystays.com.au/](https://uwacrawleyvillage.studystays.com.au/)

PERTH OFF-CAMPUS ACCOMMODATION

[uwa.edu.au/study/student-life/accommodation/cbd-accommodation](https://uwa.edu.au/study/student-life/accommodation/cbd-accommodation)

COST OF LIVING

[uwa.edu.au/study/cost-of-living](https://uwa.edu.au/study/cost-of-living)

STUDENT VISA INFORMATION

[uwa.edu.au/study/student-visas](https://uwa.edu.au/study/student-visas)

OVERSEAS STUDENT HEALTH COVER

[uwa.edu.au/study/health-requirements](https://uwa.edu.au/study/health-requirements)



## GET IN TOUCH

MEET US IN YOUR COUNTRY

[uwa.edu.au/study/find-us-in-your-country](https://uwa.edu.au/study/find-us-in-your-country)

UWA EVENTS IN YOUR COUNTRY

[uwa.edu.au/study/events](https://uwa.edu.au/study/events)

CHAT TO A STUDENT (UNIBUDDY)

[uwa.edu.au/study/unibuddy-international](https://uwa.edu.au/study/unibuddy-international)

ASK US A QUESTION

[ask.uwa.edu.au](https://ask.uwa.edu.au)

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