THE UNIVERSITY OF WESTERN AUSTRALIA

Undergraduate Course Guide 2025

GET CAREER-READY WITH A UWA DEGREE

Seek Wisdom

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Study at UWA

Choosing what to study

Join UWA

Professor Amit Chakma
Vice-Chancellor

Welcome to our community

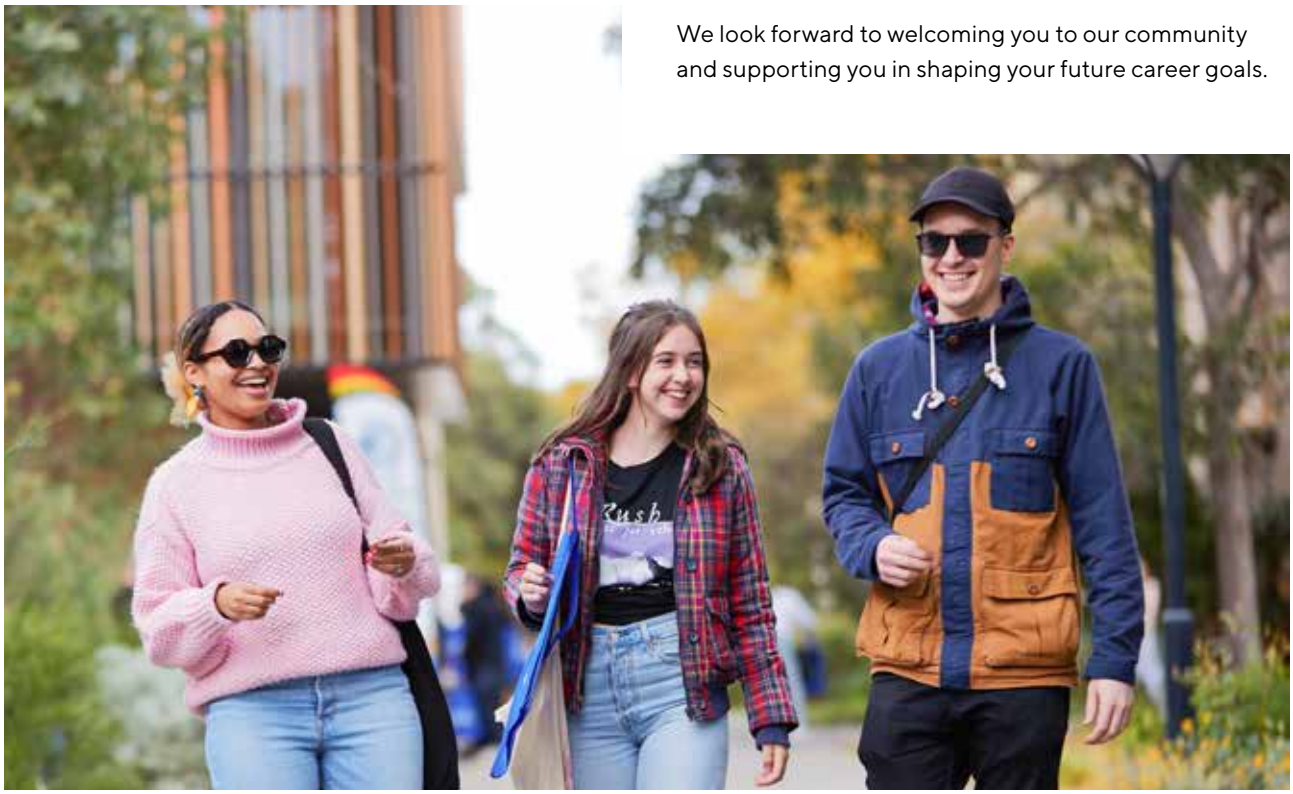
We're delighted you are considering embarking on the next stage of your education journey with us.
At UWA, our role is to give you the knowledge and skills so that you can achieve your goals – whatever they may be. Through our courses you'll learn from passionate leaders who will inspire you to achieve your best and equip you for global success in a world where knowledge is the universal currency.

We offer an immersive, industry-connected, practical learning environment. Our approach will ensure you enter the workforce with real-work experiences, ready to solve the world's greatest challenges.

I'm proud to say that UWA is an inclusive and multicultural community that embraces and values a diversity of backgrounds. We also have a reputation and vision for leading positive change, both here and internationally.

You'll find your time here thought-provoking and stimulating, and when you graduate from UWA you'll have made lifelong friends, precious memories, and have a sense of purpose and enquiry that will empower you to make a difference.

We look forward to welcoming you to 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.

Why choose UWA?

Stand out from the crowd and benefit from our industry connections, innovative courses, commitment to our student experience and high-impact research at a world top 100 university – the only one in WA.

Study at WA's top university (QS 2024)

Ranked in the **world's top 100** universities
(RANKED 72 IN QS 2024)

4,500 Global **industry partnerships**

#1 Top university for **graduate employability** in Western Australia
(QS GRADUATE EMPLOYABILITY RANKING 2022)

Australia's 6th oldest university - established in 1911

Five star student demand, student teacher ratio, Learner engagement and learning resources
(GOOD UNIVERSITIES GUIDE 2022)

Ranked in the **world's top 50** for 18 subjects:

Agriculture and forestry
Anatomy and physiology
Earth and marine sciences
Geology
Geophysics
Mineral and mining engineering
Psychology
Sports-related subjects
(QS WUR BY SUBJECT 2023)

Agricultural sciences
Biological sciences
Clinical medicine
Ecology
Environmental science and engineering
Human biological sciences
Marine and ocean engineering
Mining and mineral engineering
Oceanography
Water resources engineering
(ARWU 2023)

GROUP OF EIGHT AUSTRALIA MEMBER

MNU MATARIKI NETWORK OF UNIVERSITIES Partnering for a better world

See a full list of our rankings at
uwa.edu.au/rankings-reputation

Get career-ready while you study

WA's #1 university for graduate employability (QS 2023) will help you successfully navigate your career journey.

Getting a job at the end of your degree will likely be your top priority. At UWA, we've made it our top priority too, offering a wide range of degrees and programs to help you stand out in the job market and increase your employability. All our degrees include the option to take internships or Work Integrated Learning units, and along with mentoring and volunteering opportunities, these can enhance your career success.

Career Mentor Link
Be matched with professionals and get insider industry knowledge from people with real career experience.

Careers Centre
Engage with employers in your field, enhance your workplace skills, find work and internships, and nail your résumé and interview.

Career and Employability Award
Practical real-world experiences, skills and knowledge to guide you on an enriching career journey.

UWA Innovation Academy
Work with real companies to tackle the biggest challenges facing business, governments and society today.

Practicums and field trips
Practical units with workplace and fieldwork placements across WA, Australia and even overseas.

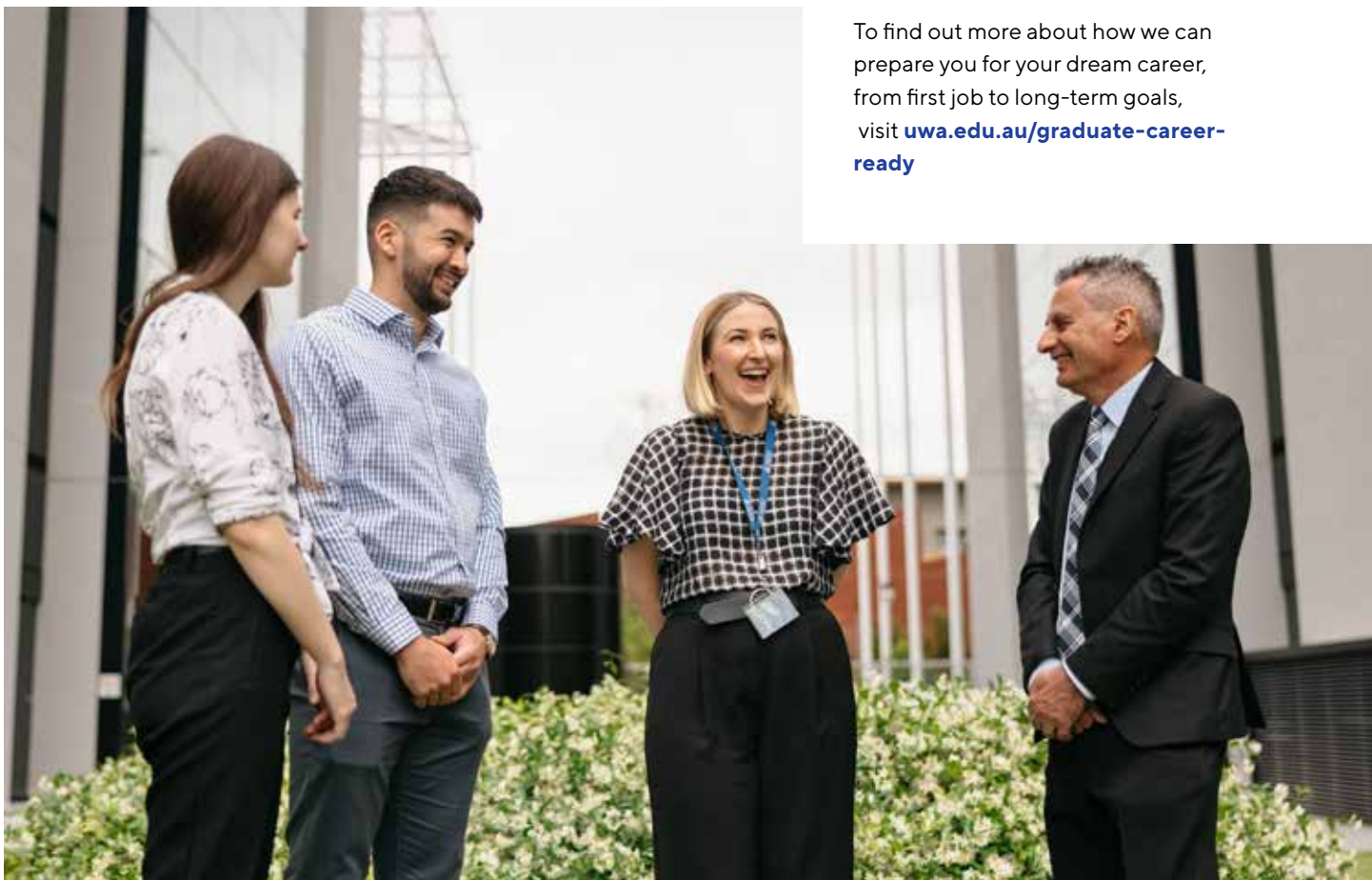
Work Integrated Learning (WIL)
Gain industry knowledge, develop career-ready skills, and network with industry professionals as part of your course or as a co-curricular activity.

McCusker Centre for Citizenship
An award-winning internship program, making a difference in our communities locally, nationally and globally.

Bloom WA
A creative lab to turn your big business or community ideas into a startup, all credited towards your degree.

Volunteering
Make an impact and get involved, developing skills and experience that stand out on your résumé and final transcript.

To find out more about how we can prepare you for your dream career, from first job to long-term goals, visit **uwa.edu.au/graduate-career-ready**



Understanding your course options

Specialise in one area or create a degree that combines your interests. Whatever you seek, you'll find a degree that fits.

UWA's immersive curriculum prepares you for the ever-changing world outside your degree. You'll gain industry connections even before you graduate, and kick-start a successful career.

Undergraduate degree types

Seeking your first university degree? Our undergraduate courses allow you to start your journey to a fulfilling career.

Comprehensive bachelor's degrees

Design your own course with our comprehensive bachelor's degrees. Choose one or two majors from a wide range, then add electives and/or a minor to suit your interests and career goals. Explore your interests with the flexibility to change your mind - choose your major(s) when you enrol and if you'd like to change during your degree you can.

Specialised bachelor's degrees

Prepare for your dream career with a specialised bachelor's degree.

You'll take an extended major with a carefully designed study plan to give you in-depth knowledge of your chosen career or profession. You can complement this with a minor or electives from almost any study area.

Combined bachelor's degrees

Pursue your passions and maximise your career options with our combined bachelor's degrees.

You'll complete two bachelor's degrees – one comprehensive (where you'll choose a major from a wide range of options) and one specialised (where you'll take a defined study plan).

Honours

Improve your career prospects or take a path to further study with an honours course.

Honours is a one-year program you can apply for after completing your bachelor's degree with strong academic performance in your major. An honours year includes advanced coursework and a major research or creative project.

We also offer some integrated honours courses. These four-year courses also include advanced coursework and a major research or creative project in your final year.

Find the course that's right for you

For more information visit
uwa.edu.au/study/our-courses-explained

What makes up a bachelor's degree?

Majors

You'll take at least one major – a sequence of units that will give you in-depth knowledge in your chosen degree. We offer a wide range of majors (which typically make up at least two-thirds of your course) and extended majors (up to two-thirds of your course) within our bachelor's degrees. Depending on the course, you may be able to take more than one major.

Minors

You also have the option to choose a minor (or two, depending on your course structure). Minors are shorter sequences of four units that allow you to gain knowledge in an area that may complement your major(s), suit your career goals or simply be of personal interest.

Other units

The rest of your study plan will be filled by different kinds of units (depending on your chosen course and major[s]).

- **Foundation units:** Required units (in certain courses) that give you broad grounding and key skills in your chosen degree area, irrespective of your choice of major(s).
- **Bridging units:** If you don't have the required ATAR subject or equivalent for your chosen major, you can usually take these additional units in your first year as part of the major.
- **Elective units:** Elective units provide you with the opportunity to explore a range of interests and new disciplines. If you have space for elective units you can choose (almost!) anything you like to expand your knowledge in a new field, provided that you meet the unit rules.

Postgraduate pathways

Our packaged undergraduate and postgraduate degrees provide the knowledge and networks for career success. If you don't achieve the entry requirements (or equivalent) to secure your place on a postgraduate pathway, you can still apply for your chosen postgraduate degree after you complete your bachelor's degree.

Assured pathways

Secure a guaranteed place in one of our high-demand postgraduate courses before you start your bachelor's degree – and perhaps even complete your postgraduate degree sooner. Offers are based on your high school performance (or equivalent) and satisfactory results in your bachelor's degree.

Combined bachelor's and master's degrees

Complete two degrees in as little as four years. An express path to your postgraduate qualification, it begins with advanced postgraduate-level studies in the third year of your bachelor's degree.

UWA+ Starter

Start your uni experience early by completing UWA micro-credentials while you're still in school. Successfully completed UWA+ Starter micro-credentials can also contribute towards your admission to UWA via Experience-based entry.
uwa.edu.au/study/uwa-starter

Example study plan - Comprehensive bachelor's degree with 1 major and 1 minor

1ST YEAR	**SEM 1**	Major	Minor	Elective	Elective
	SEM 2	Major	Minor	Elective	Elective
2ND YEAR	**SEM 1**	Major	Minor	Elective	Elective
	SEM 2	Major	Minor	Elective	Elective
3RD YEAR	**SEM 1**	Major	Major	Elective	Elective
	SEM 2	Major	Major	Elective	Elective

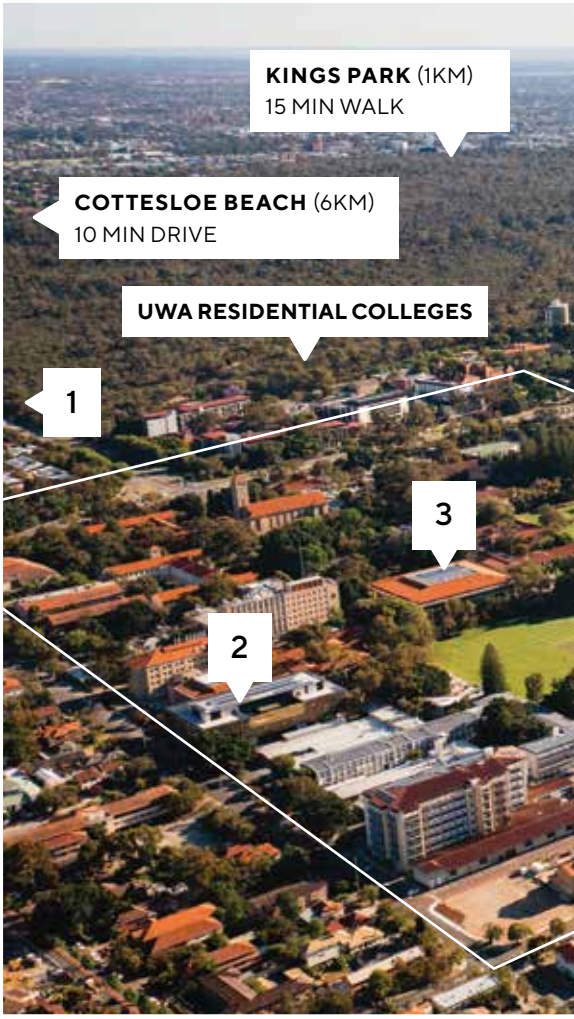
Key: Major Minor Elective

Explore our vibrant campus

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

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**



UWA Albany

Located five hours' drive from Perth, the Albany campus offers students a unique learning and research opportunities. Here you can experience all that regional WA has to offer while studying at university.

uwa.edu.au/albany

2. EZONE UWA BUILDING

World-class learning space for engineering and mathematical science students

1. UWA HEALTH CAMPUS

Specialist teaching and learning facilities for health and medical students

3. REID LIBRARY

Extensive study spaces and convenient facilities at the heart of the Perth campus

4. BAYLISS BUILDING

Thriving centre for cutting-edge research and teaching, with advanced labs on every level

6. BILYA MARLEE

An Indigenous knowledge gateway housing the School of Indigenous Studies

5. MATILDA BAY

Popular social gathering spot right opposite the UWA campus

7. BUSINESS SCHOOL

One of the premier business schools in the Asia-Pacific region offering a real-world trading room and training facility for students

Get the full UWA experience

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 only 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.

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 modern gym, swimming pool, wide range of recreational and fitness courses, social sports and more.

Student clubs and societies

With more than 160 clubs and societies you'll meet friendly people with the same interests as you and a desire to make amazing things happen.

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.

UWA Advance badges and activities

Be recognised for participating in and completing approved co-curricular activities across a diverse range of categories with digital badge that you can use on your résumé or LinkedIn.

Libraries

UWA has several dedicated libraries across campus with high-tech study facilities, resources and learning spaces. There is also a range of virtual assistance options available.

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

Wisdom.
It comes from experience.

It's in every moment, both powerful and seemingly insignificant.

The "aha!" moment... The moment everything just clicks... or the moment a classmate becomes a true friend.

These are the moments that will change your life.

Come find yours, at UWA.

Dive deeper into the moments that make your time at UWA about so much more than just a degree.

Scan to explore our student stories, info and advice.

Architecture and Design

Study architecture, landscape architecture or urban design to create the built environment for a vital and sustainable future.

Tackle issues facing global cities, learn how to create liveable environments, and make your mark on infrastructure projects while developing socially engaged designs and responsible heritage practices.

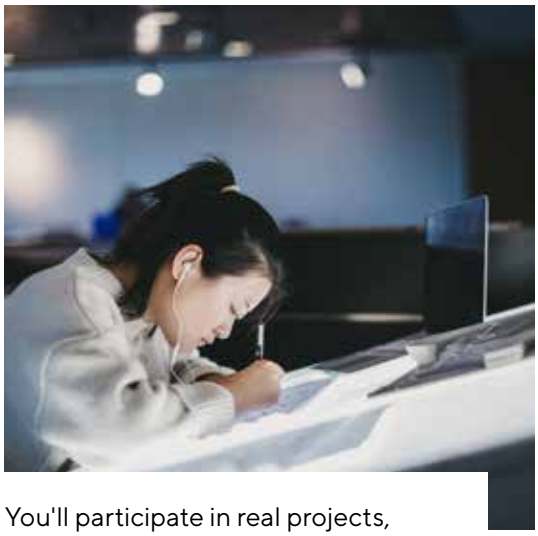
Develop your critical-thinking skills and find creative solutions to bring spaces to life, while addressing challenges presented by environmental, social and economic change.

uwa.edu.au/study/areas/architecture-design

Top five reasons to study architecture, landscape architecture or urban design at UWA

1. **You'll work on projects** from housing and museums to space stations, as well as real sites through our **industry** and **community engagement** opportunities
2. We produce award-winning students and graduates who get jobs – **we have the best student rating** in WA for Architecture (Student Experience Survey 2022)
3. Use **state-of-the-art facilities and equipment** such as plastic-extrusion 3D printers, laser cutters, printmaking studios and 24/7 computer labs
4. Learn from **internationally renowned teachers** and practitioners who currently are working in the field

Our courses help you forge a strong foundation for your future career, ensuring you graduate with the skills to design your own path and shape the world around you.



You'll participate in real projects, enabling you to develop and apply your skills using various technologies and techniques to make a difference.

COMPREHENSIVE DEGREE

Bachelor of Environmental Design

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities*

Architect, Landscape Architect, Urban Designer, Conservationist, Environmental Planner

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 this degree 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 shaping of our future 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
- use various modes of graphic and technical communication and representation

Majors

- **Architecture (Extended Major)**
- **Environmental Geography and Planning**
- **Landscape Architecture**

uwa.edu.au/study/b/environmental-design

*Postgraduate study may be required

MAJORS IN ARCHITECTURE AND DESIGN

Architecture (Extended Major)

Career opportunities*

Architect, Architectural Draftsperson, Architectural Policy Consultant

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

Why study this course at UWA

- 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
- You'll learn from experts who've won international and national awards, have extensive worldwide practice-based experience and local community engagement
- Discover your creative talents as you develop skills in the art and science of architectural design

You'll learn to

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

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

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

uwa.edu.au/study/architecture

* Postgraduate study required

Environmental Geography and Planning

Career opportunities

Conservationist, Environmental Researcher and Consultant, Urban Planner

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 at UWA

- 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 industry projects
- Employers prioritise graduates with experience across a broad range of disciplines, whose skills are transferable 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
- use advanced technology to explore data and present commanding data visualisations

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

Trending second majors: Geographical Sciences, Applied Human Geography, Environmental Management, Landscape Architecture

uwa.edu.au/study/environmental-geography-and-planning

Landscape Architecture

Career opportunities*

Landscape Architect, Environmental Planner

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 at UWA

- Create great places, design with nature and combat climate change
- Meet new people and travel the world
- Join a growing profession
- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world

You'll learn to

- use methods for understanding landscapes and communities
- design and plan for dynamic and resilient environments and communities
- demonstrate theoretical and practical knowledge for producing creative design outcomes

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

Trending second majors: Environmental Science, Indigenous Knowledge, History and Heritage, Fine Arts, History of Art, Botany

uwa.edu.au/study/landscape-architecture

*Postgraduate study may be required

ASSURED PATHWAY

Master of Architecture

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:

- 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

ASSURED PATHWAY

Master of Landscape Architecture

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 course is accredited by the Australian Institute of Landscape Architects and will prepare you for entry into the profession.

Prerequisites:

- 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

Model Making

You'll use model making as a tool to develop your ideas and to understand structure and three-dimensional spacial qualities.

The Design Hub

Dedicated working space for design and architecture students

Exhibitions

The School of Design holds end of semester exhibitions to showcase student work.

Design Studio

Architecture models on display in the Cullity Gallery during the Summer Exhibition 2023.

Advanced Design Thinking

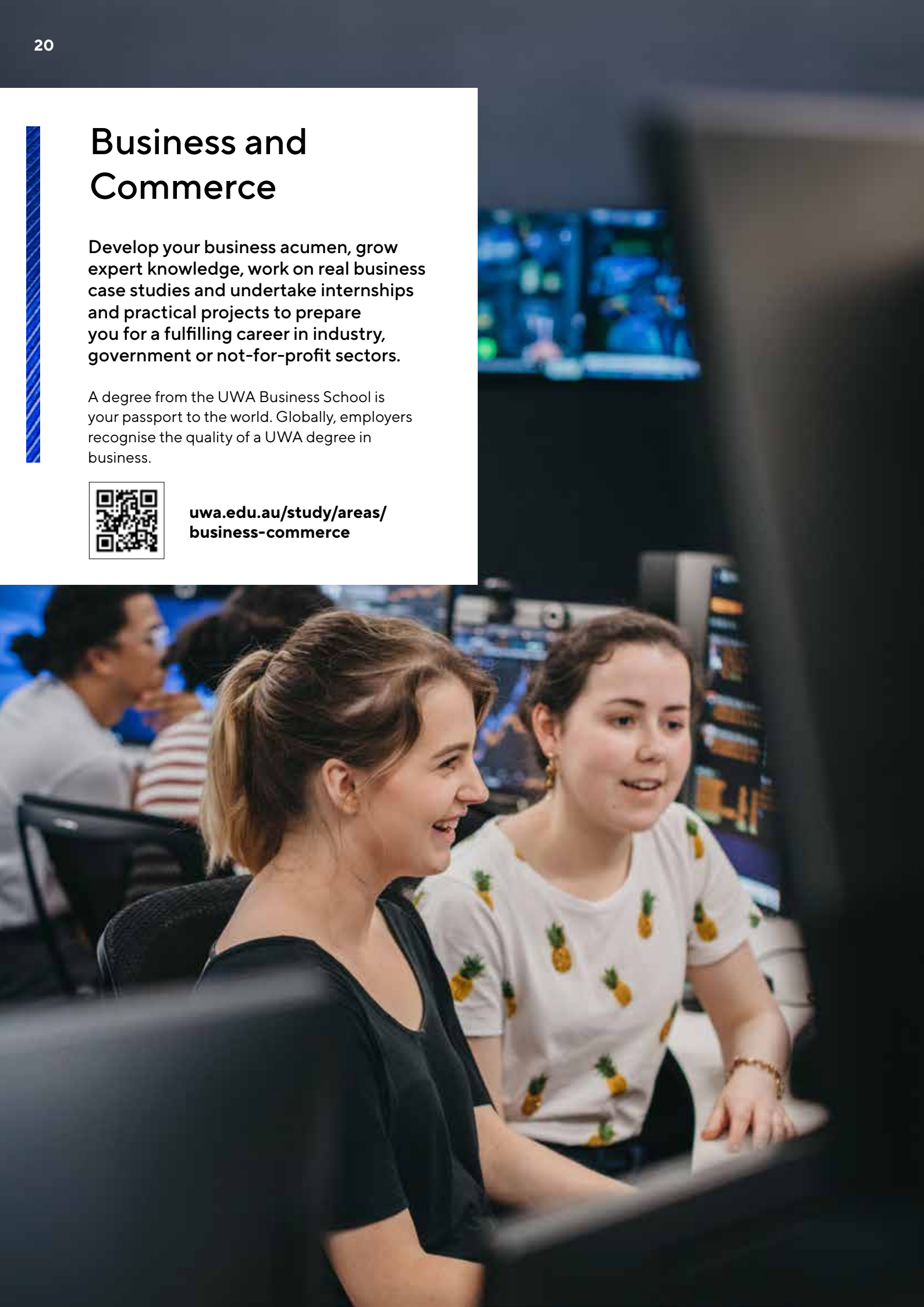
Advanced Design Thinking is a collaboration between three studios producing different content for a chosen theme, the theme for 2023 was 'scarcity'.

Business and Commerce

Develop your business acumen, grow expert knowledge, work on real business case studies and undertake internships and practical projects to prepare you for a fulfilling career in industry, government or not-for-profit sectors.

A degree from the UWA Business School is your passport to the world. Globally, employers recognise the quality of a UWA degree in business.

uwa.edu.au/study/areas/business-commerce



Top five reasons to study Business and Commerce at UWA

1. **Get career-ready with one of Australia's leading business schools**, ranked #1 in WA and #4 in Australia for overall excellence in business and management courses (Australian Financial Review BOSS Best Business Schools 2023)

2. **UWA Business School's EQUIS and AACSB accreditations** reflect our commitment to continuous improvement of curriculum, research and impact, corporate social responsibility, a culture of inclusivity, and ethical behaviour for our students and academic partners worldwide

3. With **over 30+ active industry supporters** including AGL Energy, CBH Group, Chevron, Fortescue Metals, Reserve Bank of Australia, Wesfarmers Limited, and Woodside, you'll grow a large professional network to draw on when you graduate

4. Connect with your peers, discover your passion, and complement your academic scores with extracurriculars to enhance your career prospects upon graduation. Join one of our **15+ Business School student clubs** including ECOMS, Women in Business, and Bloom

5. **UWA Business School is a signatory of the UN PRME**, meaning we strive to provide future business leaders with the skills needed to balance economic, environmental, and social goals

At the UWA Business School, you'll develop critical decision-making skills and build a career that can take you anywhere in the world.

By studying Business, you'll develop practical and relevant business skills to understand how modern organisations work, how global organisations operate, and how to develop your own business ideas.

In Commerce, you'll gain more specialist knowledge in a variety of business-related areas such as accounting, business analytics, economics, finance, marketing and more.

COMPREHENSIVE DEGREES

Bachelor of Business

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Management Consultant, Market Analyst, Entrepreneur

UWA's Bachelor of Business is designed to provide you with relevant and practical skills in, management, marketing, applied business economics, business leadership, communication, 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 this degree at UWA

- You'll master skills in the strategic management of people and systems, entrepreneurial thinking, and global market analysis
- You'll learn from award-winning global experts specialising in corporate strategy, innovation, international commerce, and business intelligence
- You can complete internships with large and small enterprises across all areas of commerce. We secure internships for over 200 students annually in for-profit, not-for-profit, and government organisations

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**

uwa.edu.au/study/b/business

Pursue multiple interests in both Business and Commerce by choosing a second major, or it may be something completely different from another bachelor's degree.*

*Exclusions to certain majors apply. Refer to relevant major for prerequisites.

Bachelor of Commerce

Minimum ATAR 80 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Accountant, Finance Officer, Managing Director, Marketer

Real-world experience is at the heart of our Bachelor of Commerce. You'll develop your analytical, communication and problem-solving skills, gain a global perspective on business, and prepare to pursue a career within the business, government or not-for-profit sectors. Graduate with a degree that can take you anywhere in the world.

Why study this degree at UWA

- You'll learn from leading academics and develop high-level industry networks through our Career Connect evenings, lunches with corporate executives, and CPA Australia and CA ANZ career events
- UWA has partnered with Harvard Business School (HBX), so you'll have access to their online learning platform, HBX CORe, to engage with real-world business case discussions and learn how to make strategic decisions
- You'll access our state-of-the-art Rosemarie Nathanson Financial Market's Trading Room, the largest financial trading room and training facility in Australia. Learn from real-time data from more than 400 global markets, with 50 financial terminals and data from the ASX, NYSE, and LSE

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 Analytics**
- **Business Law**
- **Business Economics**
- **Finance**
- **Human Resource Management**
- **Management**
- **Marketing**

uwa.edu.au/study/b/commerce

SPECIALISED DEGREE

Bachelor of Economics

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Economic Analyst, Economic Consultant, Policy Adviser, Professional Economist

WA's only specialist Economics degree offers you the choice of two extended majors; Economics and Financial Economics. The extended Economics major offers insights into economic theories and debates across a range of areas, such as health and labour economics, the economics of development, and the micro and macroeconomic consequences of government policies. In the Financial Economics extended major, the emphasis is placed on understanding how money, banking and financial markets operate at a local and global level.

Why study this degree at UWA

- Our economics graduates are highly regarded among key employers including the Reserve Bank of Australia, the Treasury, large financial institutions and consultancy firms
- You'll study alongside the best students in the state and beyond
- You'll learn from internationally renowned specialists across diverse areas of research

You'll learn to

- conduct and interpret specific economic and financial research that critically evaluates theoretical and/or applied issues in the area of economics and finance
- demonstrate an awareness of, and sensitivity to a variety of social and economic perspectives
- apply your theoretical learning to industry-related projects, either through an internship with an organisation, or through an industry-based project in your final year of study

Majors

- **Economics (Extended Major)**
- **Financial Economics (Extended Major)**

uwa.edu.au/study/b/economics

COMBINED BACHELOR'S AND MASTER'S DEGREE

Bachelor of Economics and Master of Economics

Minimum ATAR 90 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

Career opportunities

Economic Analyst, Economic Consultant, Policy Adviser, Professional Economist

Unique among WA universities, this accelerated four-year Combined Bachelor's and Master's (CBM) degree provides you with high-level, discipline-specific knowledge in economics, with a heavy focus on developing your quantitative and analytical skills, and on exposing you to the breadth of disciplines that economics can cover. Employers value our graduates who not only have significant technical knowledge, but also the critical-thinking and problem-solving skills that are a feature of an economist's training here at UWA.

Why study this degree at UWA

- You'll harness the power of data to address complex business challenges and make informed business decisions in a data-driven marketplace
- You'll receive training to logically collect and evaluate information, identify patterns, and solve problems, which are vital for strategic planning and effective decision-making in any organisation and modern workplace
- You'll graduate with two degrees in only four years and enhance your employability. From Data Analyst to Strategic Planner, your career possibilities are endless

You'll learn to

- identify and critically reflect on landmark events in Australia's economic history and the global economy
- analyse complex economic relationships using sophisticated data analytic techniques
- communicate the results of economic research to a wide range of potential stakeholders, including other business professionals, policymakers in government and the public at large

Majors

- **Economics (Extended Major)**
- **Financial Economics (Extended Major)**

uwa.edu.au/study/cbm/economics

COMBINED BACHELOR'S DEGREES

Bachelor of Agricultural Science and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agricultural-science-and-commerce

Bachelor of Economics and Bachelor of Commerce

Minimum ATAR 90 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/economics-and-commerce

Bachelor of Engineering (Honours) and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5 years full time or part-time equivalent. A major in Chemical Engineering will take 5.5 years to complete

uwa.edu.au/study/bb/engineering-and-commerce

Bachelor of Environmental Science and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/environmental-science-and-commerce

Bachelor of Human Rights and Bachelor of Commerce

Minimum ATAR 87 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/human-rights-and-commerce

Bachelor of Modern Languages and Bachelor of Business

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/modern-languages-and-business

Bachelor of Philosophy, Politics and Economics and Bachelor of Commerce

Minimum ATAR 92 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/philosophy-politics-economics-and-commerce

Bachelor of Psychology and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/psychology-and-commerce

Bachelor of Modern Languages and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/modern-languages-and-business

MAJORS IN BUSINESS AND COMMERCE

Accounting

Career opportunities

Accountant, Chief Executive, Managing Director

Accounting prepares you for a career across borders. Speak the language of business as you learn to summarise, analyse and interpret accounting information for shareholders, managers and other stakeholders.

Why study this course at UWA

- Build practical, industry-based experience through units that involve workshops, team exercises and group projects
- 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

Bachelor's degree: Commerce or Philosophy (Honours)
Trending second majors: Business Analytics; Business Law; Finance; Marketing
Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/accounting

Agribusiness

Career opportunities

Agricultural Consultant, Agricultural Scientist, Policy Analyst

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 at UWA

- 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, policy formation, finance, and rural development
- 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
- develop 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
- build practical and transferable skills in management, teamwork, critical thinking and communication

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Agricultural Technology; Finance; Marketing

uwa.edu.au/study/agribusiness

Business Analytics

Career opportunities

Data Analyst, Economist, Marketing Analyst

Combine knowledge in statistics and data analysis with practical applications to inform real-world business and economic decisions. You'll apply your knowledge in a work integrated learning internship or practical industry-based project.

Why study this course at UWA

- Be taught by world-class experts across a range of data-related fields
- Develop technical analytical skills that are in extremely high demand by employers
- Through the experiential units, you'll apply your learned knowledge and skills to real-world situations

You'll learn to

- develop your computer programming skills (e.g. Python)
- develop skills in using data analytic statistical software (e.g. R)
- evaluate and interpret data to communicate to stakeholders

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Finance, Data Science, Computer Science, Marketing

Recommended subject:

- 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/business-analytics

Business Law

Career opportunities

Business Adviser, Investment Banker, Policy and Planning Manager

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 at UWA

- 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
- Gain the analytical skills to hold you in good stead for a career in business
- Become well-equipped in 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

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Accounting; Economics; Finance; Global Business; Management

Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/business-law

Business Management

Career opportunities

Entrepreneur, Manager in Private, Public or Not-for-Profit Sectors, Small Business Owner

Learn the foundations of business and organisational management. Gain 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 communication and data literacy skills. 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 at UWA

- Be taught by globally renowned experts in management
- Develop key personal and project-based skills that are highly sought-after in the modern workplace
- 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

Bachelor's degree: Business or Philosophy (Honours)

Trending second majors: Accounting; Enterprise and Innovation; Global Business; Marketing

uwa.edu.au/study/business-management

Communication and Media Studies

Career opportunities

Advertising Strategist, Communication Manager, Copywriter, Journalist, Media Adviser, Video and Content Producer

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 facilitates your practical communication and digital-media skills, alongside essential theoretical knowledge, to provide you with a platform to become an effective and powerful communicator.

Why study this course at UWA

- Gain sought-after skills in creativity, problem-solving, teamwork and project management
- Learn to effectively use digital and multimedia tools
- Become a versatile and creative 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 and approaches
- 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

Bachelor's degree: Arts or Philosophy (Honours)

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

uwa.edu.au/study/communication-and-media-studies

Business Economics

Career opportunities

Data Analyst, Financial Economist, Consumer Economist, Regulator, Policy Maker

Explore the world of commerce and learn how economics impacts numerous decisions faced by businesses. Business economists analyse the economic and social environment within which decisions are made. Complement studies in Business Economics with other majors such as Finance or Marketing. Business economists are in demand in both the private and public sectors.

Why study this course at UWA

- 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
- Gain 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 macroeconomics
- 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, ethical and/or international backgrounds

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Business Analytics, Finance, Marketing, Management

Recommended subject:

- 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/business-economics

Economics
(Extended Major)

Career opportunities
Economic Analyst, Economic Consultant, Policy Adviser, Professional Economist

Engage in rigorous training in economics and data analysis, and gain the knowledge and technical skills to participate in pressing debates in a range of areas including environmental sustainability, economic inequality, energy policy, and tax and fiscal policy.

Why study this course at UWA
- Our Economics graduates are in high demand by institutions such as the World Bank, consultancy firms, financial organisations and think tanks
- You'll be trained in the economic way of thinking and positioned to understand the ever-changing world
- You'll gain an understanding of why Economics is the foundation of business and is critical for the study of important social issues

You'll learn to
- employ the framework of micro- and macroeconomics to analyse diverse economic problems in areas such as health, development, trade, terrorism, climate change, wages policy, tax policy and monetary policy
- interpret and undertake quantitative economic research
- communicate the results of economic research to fellow economists as well as to a range of potential stakeholders, including other business professionals, policymakers in government and the public at large
- demonstrate an awareness of, and sensitivity to, the personal, social, ethical and/or international backgrounds of other team members as well as stakeholders

Bachelor's degree: Economics or Philosophy (Honours)

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/professional-economics

Enterprise and Innovation

Career opportunities
Consultant, Entrepreneur, Innovation Strategist

Develop skills and knowledge and gain practical engagement with the principles of entrepreneurship and innovation in a local and global context. Through this major, you'll learn solution-based skills to complex real-world problems and learn how to critically apply business solutions to them.

Why study this course at UWA
- With our globally-recognised experts, you'll be able to develop your technical knowledge in the business of innovation
- Develop key transferable interpersonal and communication skills that are in high demand in the modern workplace
- Learn to combine technical and communication skills and apply them to the real world, 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

Bachelor's degree: Business or Philosophy (Honours)

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

uwa.edu.au/study/enterprise-and-innovation

Finance

Career opportunities

Financial Analyst, Financial Consultant, Investment Banker

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

Why study this course at UWA

- Access to the state-of-the-art Rosemarie Nathanson Financial Markets Trading Room, a world-class trading room and training facility
- You'll take a professional experience unit which bridges the gap between studying 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

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Accounting; Business Analytics; Business Law; Economics; Management

Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/finance

Financial Economics
(Extended Major)

Career opportunities

Banking Analyst, Central Bank Economist, Financial Market Analyst

Develop a deep understanding of domestic and international banking and financial markets, and gain high-level qualitative and quantitative skills valued by employers in the economics and financial sectors.

Why study this course at UWA

- Learn a unique combination of economics and finance that focuses specifically on how money, banking and financial markets operate
- Be taught by global leaders in their field who will provide you with the latest research and knowledge
- Your learning will be supported by world-class facilities such as our Trading Room, which has the latest software and technology used by all modern financial institutions
- Gain practical, hands-on experience in your final year of study through an industry-based experiential project or internship

You'll learn to

- demonstrate comprehensive knowledge of banking, financial and economic theories and applications
- apply qualitative and quantitative economic techniques to evaluate key information on money, banking and financial issues. This will inform your effective decision-making
- communicate clearly, effectively and appropriately to a variety of stakeholders across a range of banking, financial and economic contexts
- demonstrate an awareness of, and sensitivity to a variety of social and economic perspectives

Bachelor's degree: Economics or Philosophy (Honours)

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/financial-economics

Global Business

Career opportunities

Business Development Manager, Business Owner, Consultant, Entrepreneur, Policy Development Manager

Prepare for the rapidly changing global business landscape by understanding the social, ethical and economic implications affecting business sustainability, international markets, and work futures. You'll also develop critical thinking, problem solving and other skills for a career in global business.

Why study this course at UWA

- 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
- Develop the interpersonal communication skills required in an international context, and be equipped to work in a culturally diverse workplace
- You'll combine technical and communication skills and apply them to the real world, 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

Bachelor's degree: Business or Philosophy (Honours)

Trending second majors: Business Management; Economics; Human Resource Management

uwa.edu.au/study/global-business

Human Resource Management

Career opportunities

Human Resource Professional, Management Consultant, Recruitment Consultant

Managing people is a valuable skill required by all managers in all industries. You'll explore how the proper management of employees contributes to strategic staffing and organisational effectiveness.

Why study this course at UWA

- 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 HR 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
- understand principles of ethical behaviour and social responsibility as they apply to the management of people and employment relations

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Business Law; Management; Marketing; Work and Employment Relations

Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/human-resource-management

Management

Career opportunities

Business Administration Manager, Management Consultant, Project Manager, Strategic Manager

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

Why study this course at UWA

- 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

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Business Law; Enterprise and Innovation; Human Resource Management; Marketing; Work and Employment Relations

Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/management

Marketing

Career opportunities

Advertising Professional, Brand Manager, Digital Marketer, Marketing Manager

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 at UWA

- You'll gain the frameworks and knowledge you need to translate data into insights, develop and test new products and services, create a digital marketing campaign and competitive marketing strategy
- You'll benefit from significant local industry knowledge and participation from organisations such as Metrix Consulting, Destination Perth, Perth Cool Magazine, and The Higher Mix as you develop your skills in entrepreneurship and new business development

You'll learn to

- develop effective marketing strategies that can be used to target key customer segments
- utilise the various components of marketing such as price, promotion, product and distribution to create customer value
- understand how to critically analyse customer decision-making and customer-facing interactions
- develop skills to research and analyse market opportunities
- evaluate both personal and an organisation's communication strategies

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Communication and Media Studies; Enterprise and Innovation; Management

Recommended subject:

- Mathematics Applications ATAR
- Students without ATAR Mathematics will take one first-year mathematics unit

uwa.edu.au/study/marketing

Philosophy, Politics and Economics (Extended Major)

Career opportunities

Diplomat, Economic/Political Journalist, Policy Analyst

All important social issues — climate change, healthcare, inequality, political participation, criminal justice, and much more — have philosophical, political, and economic dimensions. This extended major will provide thorough grounding in each of the three disciplines, examining the ways in which insights from each area of study can inform knowledge in the others.

Why study this course at UWA

- We are the only university in WA to offer a Bachelor of Philosophy, Politics, and Economics
- Study all three disciplines with leading experts in their respective fields
- Complete specially designed interdisciplinary units which will allow you to bring the tools of all three disciplines to address pressing social, political and economic questions

You'll learn to

- address problems that have political, philosophical, and economic dimensions (e.g. inequality, criminal justice, climate change)
- learning to think about complex social issues in an interdisciplinary manner
- explore 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 applied in a variety of contexts

Bachelor's degree: Philosophy, Politics and Economics or Philosophy (Honours)

uwa.edu.au/study/philosophy-politics-and-economics

Work and Employment Relations

Career opportunities

Human Resource Professional, Industrial Relations Officer, Management Consultant, Workplace Relations Adviser

This multi-disciplinary major 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 at UWA

- Explore the relationship between work and society
- Study in a multi-disciplined learning environment
- Apply theory to real-life problems
- Interact with a diverse range of academics and industry professionals

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

Bachelor's degree: Arts or Philosophy (Honours)

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

uwa.edu.au/study/work-and-employment-relations

Data and Computer Science

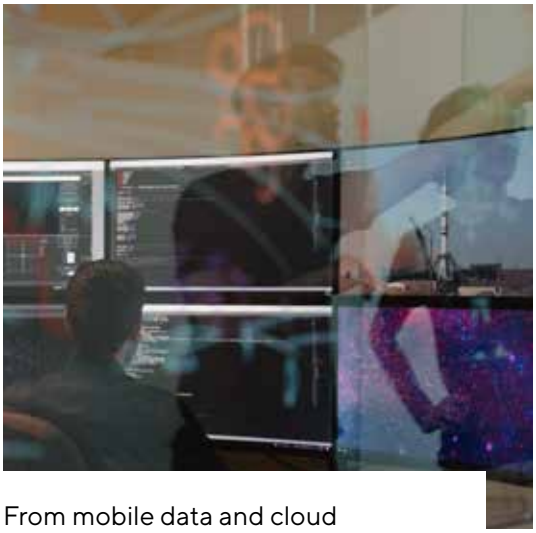
Through interpreting the data and computer science behind technological advances, you can help create and develop methods to improve everyday lives.

Gain the knowledge and expertise needed for an exciting career in the world of information and technology.

uwa.edu.au/study/areas/data-computer-science

Top five reasons to study Data and Computer Science at UWA

1. **Be recognised** – a number of our courses are accredited by the Australian Computer Society
2. **Industry-informed courses** so you'll gain the skills needed to succeed
3. Gain transferable **skills demanded by employers**, along with technical skills in computing
4. Learn from **globally renowned experts** who are engaged in world-leading research
5. **High-demand graduates**, Australia will need an additional 650,000 tech workers by the end of the decade (Tech Council of Australia, 2022)



From mobile data and cloud computing, to artificial intelligence and advanced software development, studying in this field tackles technological challenges and devises innovative solutions to transform the way we live.

Industry 4.0, part of the world's fourth industrial revolution, is changing the way we work and interact with other people and the world around us. In almost every industry, you'll find a requirement for talented professionals in data and computer science.

Whether you explore cybersecurity, AI, computer science or data science, you'll be equipped with the relevant connections and practical skills to forge a career developing new technologies and advanced programming to overcome challenges facing society. With real industry experience through internships and work integrated learning, you'll kickstart opportunities in this rapidly expanding field.

COMPREHENSIVE DEGREE

Bachelor of Science

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Applications Developer, Business Analyst, Computer Network Professional, Cybersecurity Developer Programmer, Specialist, Database Administrator, IT Consultant, Software Engineer, Web Developer and Mobile App Developer

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.

Why study this degree at UWA

- You'll be taught by the world's leading academics
- You'll gain highly valued skills that will ensure you are well-prepared for many diverse and exciting careers
- Our Computer Science major is professionally accredited by the Australian Computer Society (ACS)

You'll learn to

- think critically and push boundaries to investigate the big issues confronting our planet
- develop scientific skills in reasoning, logic, observation and analysis
- gain hands-on industry-relevant experience and skills
- bridge the gap between theory and practice through work experience opportunities

Majors

- Agribusiness
- Agricultural Science
- Agricultural Technology
- Anatomy and Human Biology
- Biochemistry and Molecular Biology
- Botany
- Chemistry
- **Computer Science**
- Conservation Biology
- **Cybersecurity**
- **Data Science**
- Environmental Management
- Environmental Science
- Exercise and Health
- Genetics
- Geographical Sciences
- Geology
- Marine and Coastal Processes
- Marine Biology
- Mathematics
- Microbiology and Immunology
- Neuroscience
- Physics
- Physiology
- Psychological and Behavioural Sciences
- Sport Science
- Statistics
- Zoology

You can also take this degree as a Combined Bachelor's and Master's

- Bachelor of Science and Master of Teaching (Secondary)

Minimum ATAR: 84 or equivalent

uwa.edu.au/study/courses/bachelor-of-science

Improve your career prospects and extend your knowledge through our Bachelor of Science (Honours)

INTEGRATED HONOURS DEGREE

Bachelor of Advanced Computer Science (Honours)

Minimum ATAR 92 or equivalent
Intake months February and July
Completion 4 years full time

Career opportunities

AI or Cyber Security Specialist, Data Architect, Data Scientist, Product Manager, Quantum Device Physicist, Quantum Software Engineer, Quantum Machine Learning Scientist, Software Engineer

From mobile data and cloud computing to artificial intelligence, UWA's Advanced Bachelor of Computer Science (Honours) will give you the relevant practical skills, knowledge and connections to forge an exciting career. Develop new technologies and advanced programming to overcome challenges in business, science and society.

Whether you choose to specialise in AI, International Cybersecurity, Computing and Data Science, or our new Quantum Computing major 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 through internships and work integrated learning, this degree will help you kickstart your career in the exciting computer science fields of AI, cybersecurity, data science and quantum.

Why study this degree at UWA

- Working alongside industry partners, inspiring researchers and fellow students will give you hands-on experience and connections with future employers working on real-world projects
- This degree is professionally accredited by the Australian Computer Society
- 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 have the opportunity to gain access to UWA's new state-of-the-art quantum computing hub, one of the first of its kind in the world

You'll learn to

- apply discipline-specific knowledge to identify and overcome business challenges using state-of-the-art methods and techniques
- develop the cognitive, technical and research skills for lifelong learning
- advance computational thinking to innovate and devise unique and efficient solutions to real-world problems

Majors

- **Artificial Intelligence (Extended Major)**
- **Computing and Data Science (Extended Major)**
- **International Cybersecurity (Extended Major)**
- **Quantum Computing (Extended Major)**

uwa.edu.au/study/bachelor-of-advanced-computer-science

MAJORS IN DATA AND COMPUTER SCIENCE

Artificial Intelligence (Extended Major)

Career opportunities

AI Data Analyst, AI Engineer, Business Intelligence Developer, Data Scientist, Product Manager

This major will equip you with the skills and knowledge to understand, evaluate, design and implement AI 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 at UWA

- You'll be in high demand in the rapidly expanding artificial intelligence industry. Technology-focused roles have been the fastest-growing job titles over the past five years in Australia (LinkedIn 2023)
- 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 careers.
- AI skills are in high demand in consulting companies, higher education, engineering design and consulting services, software publishing, computer system design, the resources sector and financial services
- 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 artificial intelligence systems
- 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 artificial intelligence through research, experimentation and analysis

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

Prerequisite: Mathematics Methods ATAR

uwa.edu.au/study/artificial-intelligence

Computing and Data Science (Extended Major)

Career opportunities

Computer Network Professional, Data Analyst, Data Architect, Cloud Solution Architect, Software Developer

Make sense of increasingly complex data and use advanced technical and mathematical skills to find solutions to improve the ways we live. This major provides comprehensive training in data science technologies, making you highly sought-after in the growing data science job market.

Why study this course at UWA

- Active involvement of industry advisory panels in course design keeps our teaching materials up-to-date with industry relevance
- Working alongside industry partners, inspiring researchers and fellow students will give you hands-on experience with future employers
- A unique combination of computational and statistical skills will help you apply your business and technical knowledge to identify and overcome business challenges and help organisations achieve their goals

You'll learn to

- apply data visualisation, interpretation, storage and synthesis skills in complex real-world settings
- 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 knowledge in data science through research, experimentation and analysis

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

Prerequisite: Mathematics Methods ATAR

uwa.edu.au/study/data-science

Computer Science

Career opportunities

Applications Developer, Business Analyst, Database Administrator, IT Consultant, App Developer

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 system principles that underpin computer languages and networks, while learning how to develop new technologies and advanced programming techniques.

Why study this course at UWA

- Learn from experts in the field who are engaged in world-leading research
- This major has been developed in consultation with industry to equip you with the skills to succeed in your future career
- Computing and computer technology are part of just about everything in life. Understanding different dimensions of computing is a highly sought-after skill and can set you apart from others in your future career

You'll learn to

- develop and implement systems level software in widely used languages like C, Java and Python
- understand software engineering principles of problem decomposition, and design and implement solutions in the object-oriented language Java
- understand the role played by databases for persistent storage in networked systems
- design schemas for storing information in databases, and access, sort and join data using query languages
- understand the mechanics of, and be able to implement, the primary data structures and associated algorithms that underline computer solutions

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Data Science; Economics; Enterprise and Innovation; Mathematics; Statistics

uwa.edu.au/study/computer-science

Cybersecurity

Career opportunities

Cybersecurity Specialist, Information Specialist, Information Technology Specialist, Software Engineer

Almost every information and communications technology career path encompasses some aspect of cybersecurity. This major will prepare you for a range of specialist cybersecurity roles using technology, people, information and processes to enable assured operations in the context of adversaries.
With industry-integrated learning, you'll gain the practical skills and knowledge to lead the creation, implementation and management of secure computer systems across a range of exciting career paths, protecting people and their data from cyber attacks.

Why study this course at UWA

- 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
- 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 cybercrime

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 on real-world cybersecurity projects

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Computer Science; Data Science; Enterprise and Innovation; Mathematics; Statistics

uwa.edu.au/study/cybersecurity

Data Science

Career opportunities

Analyst, Computer Network Professional, Developer Programmer, Network Administrator

Prepare for jobs of the future and unearth value and meaning from data to help businesses and organisations across the globe. Strong computing and data analysis skills are necessary in an ever-increasing number of disciplines and workplace contexts. This major focuses on data and scientific computation including technologies for efficient and effective data collection, conversion, analysis, visualisation, interpretation, storage, search, synthesis and predictive modelling.

Why study this course at UWA

- Be highly-sought after by employers. Industries need to analyse massive amounts of data to improve business performance and identify business advantages
- Develop an interdisciplinary skill set and knowing how to handle and analyse large amounts of data is now essential for many career paths
- You'll learn from experienced experts in the field, as well as enjoy practical laboratory classes where you'll put your theoretical knowledge into practice using the latest technologies

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

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Computer Science; Enterprise and Innovation; Finance; Mathematics; Statistics

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/data-science

International Cybersecurity (Extended Major)

Career opportunities

Cybersecurity Specialist, Information Specialist, Information Technology Specialist, Software Engineer

This major 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 at UWA

- 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
- Studying contemporary international politics in the context of cybersecurity will give you the breadth of understanding and technical knowledge desirable to future employers
- 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
- extend knowledge in cybersecurity through research, experimentation and analysis

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

Prerequisite: Mathematics Methods ATAR

uwa.edu.au/study/international-cybersecurity

Quantum Computing (Extended Major)

Career opportunities

Quantum Device Physicist, Quantum Software Engineer, Quantum Machine Learning Scientist, Materials Scientist/Engineer, Electronics, cryogenics and Systems Engineer

Unlock the future with quantum computing and apply the power of quantum technologies for problem-solving and innovation.

Our Quantum Computing specialisaton prepares you for specialised roles in both traditional and quantum computing. This major is designed to position you at the forefront of quantum technology, addressing market demand and fostering innovation by giving you a comprehensive education in quantum computing principles and skills.

Why study this course at UWA

- This major is unique in Australia with the opportunity for students to learn from leading experts in quantum computing
- Students will be equipped with the necessary skills for a global career in a field where there's growing demand for skilled professionals
- Students have the opportunity to gain access to our new state-of-the-art quantum computing hub, one of the first of its kind in the world

You'll learn to

- evaluate the efficiency and complexity of both traditional and quantum algorithms
- design, implement, verify, test, and document robust and secure programs that can be executed on both traditional and quantum computers
- perform effectively in quantum computing project teams
- apply the principles and concepts of traditional and quantum computing to solve problems of practical significance

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

Prerequisite: Mathematics Specialist ATAR

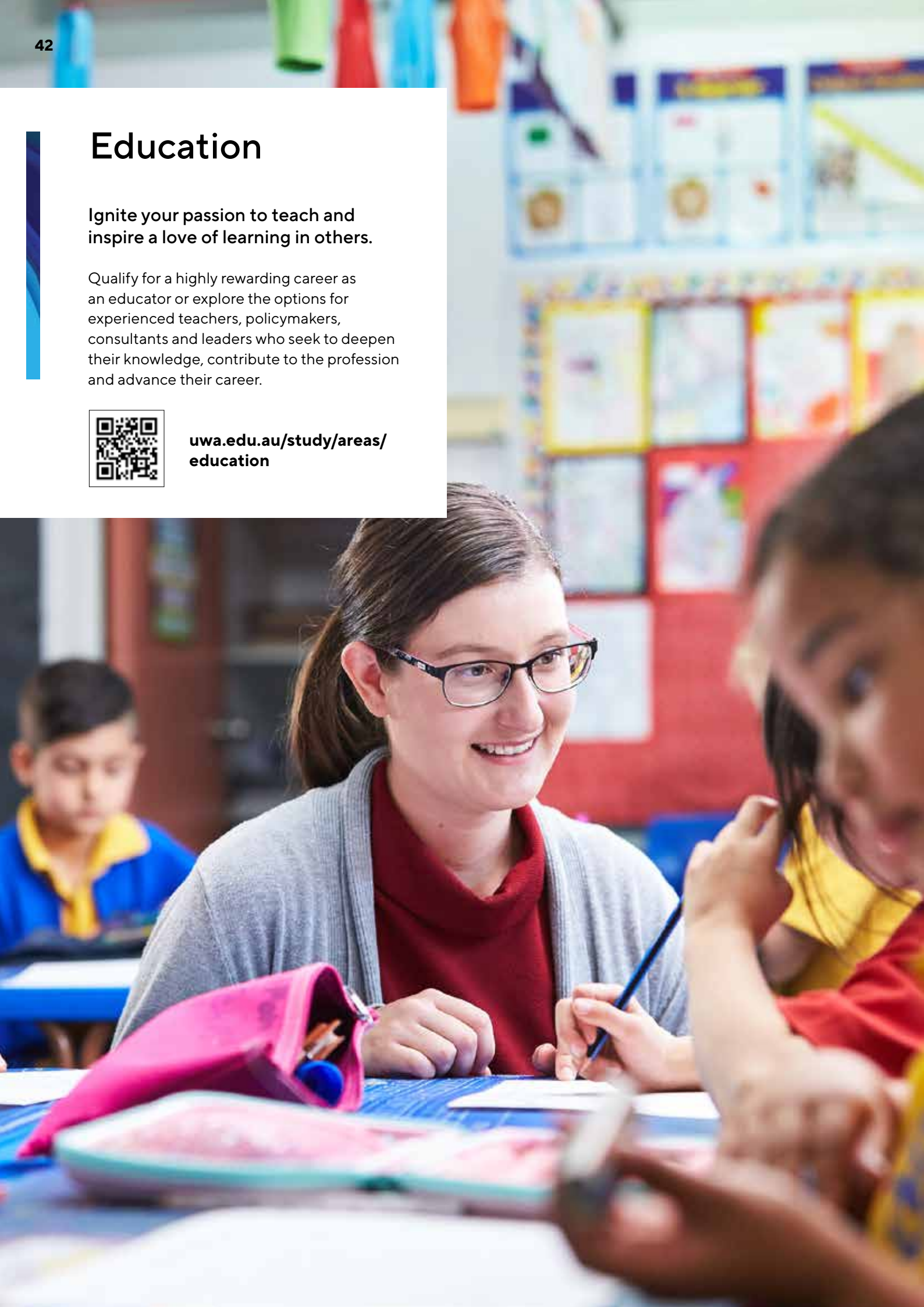
uwa.edu.au/study/quantum-computing

Education

Ignite your passion to teach and inspire a love of learning in others.

Qualify for a highly rewarding career as an educator or explore the options for experienced teachers, policymakers, consultants and leaders who seek to deepen their knowledge, contribute to the profession and advance their career.

uwa.edu.au/study/areas/education



Top five reasons to study teaching at UWA

1. **Top university in WA for Education**, and top 10 in Australia (Times Higher Education World University Rankings by Subject 2024)
2. Our new **four year bachelor's degree** in primary teaching is the only education honours degree in WA
3. Benefit from our **strong industry connections** through scholarships, volunteering programs, professional development workshops and more
4. Study within a **close-knit cohort** and form lifelong personal and professional networks
5. Gain a **competitive edge** in your career with professional practice placements

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

Education is a vital field in which you'll facilitate learning, transform lives and inspire futures. Develop your skills in best-practice teaching and choose to educate people at all stages of life. As a teacher, you'll inspire minds and empower the next generation of thinkers and doers. A career in teaching is a fulfilling one in which you can change lives and create a lasting positive impact on society.

INTEGRATED HONOURS DEGREE

Bachelor of Education
(Primary)(Honours)

Minimum ATAR 75 or equivalent
Intake month February
Completion 4 years full time or part-time equivalent

Career opportunities

Educational Assistant, Community Educator, Primary School Teacher

Make a real difference to young childrens' lives and equip them with the skills, knowledge and values needed to succeed in the world, now and in the future. This undergraduate teacher education degree prepares you to be a teacher from Foundation to Year 6.

You'll develop in-depth knowledge of the primary curriculum, be exposed to a range of teaching strategies, and undertake professional placements supervised by a practicing teacher. You'll also be taught by inspiring and innovative lecturers, be given experiences in schools across a diverse range of settings, and will develop your knowledge, confidence and skills through both classroom and experience-based learning. You'll be required to pass the National Literacy and Numeracy Test (LANTITE) as well as a Teaching Performance Assessment (TPA).

Why study this degree at UWA

- Learn from innovative and inspiring lecturers who are focused on your success
- Opportunity to complete a research project or advanced professional project
- You can undertake professional placements in regional and remote regions of WA, with scholarships available
- The Bachelor of Education (Primary) (Honours) is accredited by the Teacher Registration Board of Western Australia (TRB). As a graduate, you're eligibe to register with the TRB and this entitles you to be legally employed as a teacher in a Western Australian school
- Close partnerships with primary schools that offer you additional opportunities for volunteering, further learning and connections with practising teachers

You'll learn to

- navigate a classroom with up to 100 days professional placement in schools
- familiarise the coursework, assessment and all learning activities closely linked with the Australian curriculum
- utilise a range of educational technologies

Prerequisite:

- Personal statement

uwa.edu.au/study/b/education-primary

COMBINED BACHELOR'S AND MASTER'S DEGREE

Bachelor of Science and Master of Teaching (Secondary)

Minimum ATAR 84 or equivalent
Intake month February
Completion 4 years full time or part-time equivalent

Career opportunities

Secondary School Teacher in a specialised STEM subject

Seek a career that combines your love of science with making a difference to the future of young people and become a secondary school Science, Technology, Engineering and Mathematics (STEM) teacher in just four years. You'll choose to specialise in either Anatomy and Human Biology, Chemistry, Marine Biology, Mathematics , Physics, Psychological and Behavioural Sciences or Sport Science.

Why study this degree at UWA

- UWA is the only university to offer this course in WA and is a world-leading science university
- You'll gain two qualifications in four years
- Enjoy strong employment opportunities (national shortage of STEM teachers means you'll be highly sought after, plus you'll qualify to teach two secondary school subjects)

You'll learn to

- apply skills, understanding and professional competencies to practise as an inspiring, flexible and ethical educator who supports all students to reach their full potential
- build and sustain relationships with students and educational stakeholders
- meet the challenges of dynamic educational contexts
- engage in understanding classroom research to continuously improve educational impact

Prerequisites:

- Mathematics Applications ATAR
- Depending on your chosen major/s there may be additional prerequisite subjects
- Personal statement

uwa.edu.au/study/cbm/science-teaching

ASSURED PATHWAY

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.

Minimum ATAR via Assured Pathway 80* or equivalent
Intake month February
Completion 3 years* (bachelor's) + 1.5 years (master's) full time or part-time equivalent

Prerequisites:

- Refer to your chosen major/s for prerequisite subjects
- 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
- Completion of a bachelor's degree with a Weighted Average Mark (WAM) of 60 per cent
- Personal statement
- Before commencing professional practice placements, you'll need to obtain a Working with Children Check

uwa.edu.au/study/m/teaching-secondary

GRADUATE PATHWAYS

Start your teaching journey with a minimum ATAR of 75 or equivalent. Complete your bachelor's degree first, then apply for your preferred Master of Teaching course when you're ready.

Next steps

The Master of Teaching is accredited by the Teacher Registration Board of Western Australia (TRB). Graduates are eligible to register with TRB, 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.

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

*This may vary depending on your chosen bachelor's degree. Eligibility for the Master of Teaching courses will be assessed based on the specific units completed. Please seek advice from UWA's 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

Engineers can create profound positive change and improvement in society, from providing clean drinking water and sustainable infrastructure to designing large coastal protection systems or tiny electronic devices that can be used to track bush fires or improve health outcomes.

Study Engineering at UWA to explore how things work and bring to life new creations and designs, enabling a better society for all.

uwa.edu.au/study/areas/engineering

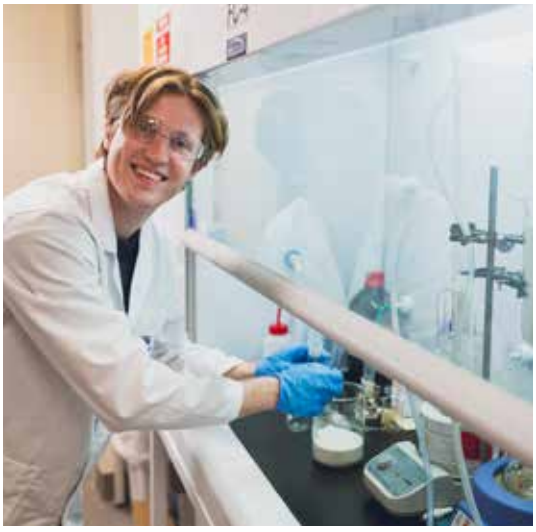
Top five reasons to study Engineering at UWA

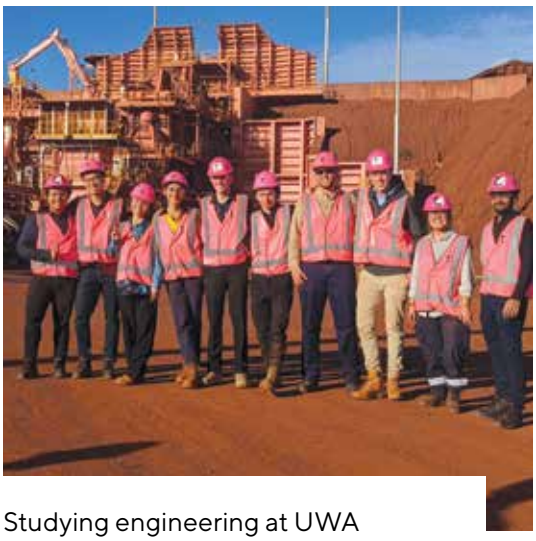
1. **Experience our state-of-the-art EZONE** – a world-class learning space for our engineering students, with flexible workspaces and labs for collaborative learning and industry interaction

2. **Hands-on learning** – from your first year you'll be actively developing ideas and designing innovative solutions for major real-world engineering challenges

3. Benefit from being **taught by leading academics, operating at the forefront of their profession**, in collaboration with some of our key research facilities including our CO^2 Lab, Automation and Robotics Lab, Pawsey Supercomputing Centre, The Centre for Offshore Foundation Systems (COFS), UWA Oceans Institute and more

4. We are ranked **13th in the world and 3rd in Australia** for Mining and Mineral Engineering, **17th in the world and 1st in Australia** for Marine and Ocean Engineering and **38th in the world and 2nd in Australia** for Environmental Science and Engineering (ARWU 2023)





Studying engineering at UWA will empower you to tackle global challenges and make an impact through engineering innovation.

Engineering touches on all aspects of daily life, and there's an area for you whatever your passion, from automaton and robotics, biomedical, chemical, and mechanical engineering, to environmental, civil, and mining engineering, or electrical, electronic, and software engineering.

Many sectors in engineering offer highly paid careers. As new technology emerges, demand for engineering professionals increases.

At UWA, you'll gain the skills employers are seeking. You'll be equipped with the technical skills and knowledge to adapt to and evolve with industry developments and societal expectations.

INTEGRATED HONOURS DEGREE

Bachelor of Engineering (Honours)

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

Career opportunities

Careers in engineering across a broad range of specialisations including Automation and Robotics, Biomedical, Chemical, Civil, Electrical, Electronic, Environmental, Mechanical, Mining and Software

Become a professionally accredited engineer* with real-world experience in just four years.

Our Engineering programs are developed with industry to equip you with the skills to tackle global challenges and succeed in your future career.

The Bachelor of Engineering (Honours) is built upon three core principles: Relevance, Integration and Excellence. Our programs are relevant to the contemporary world of engineering and integrate knowledge, technical capability, and practical skills to create exceptional graduates.

Prepare for your future career with work integrated learning, professional skills development, and co-curricular activities with clubs such as UWA Motorsport, UWA Makers, Engineers Without Borders, UWA Makers, Women in Engineering and Mathematical Sciences.

Become part of the community of UWA engineering graduates preferred by industry for your technical skills, professional integrity, and ability to solve complex open-ended problems.

Why study this degree at UWA

- Strong links with industry mean you'll work closely with prospective employers to build connections, knowledge and the most up-to-date, relevant and in-demand skill set
- You'll graduate as a professional engineer who is connected, versatile, technically adept and an exceptional problem solver, setting you up for an exciting career
- Hands-on intensives will develop your professional and practical skills helping you to differentiate yourself in a competitive job market
- You can enhance your employability while meeting like-minded friends and connections in our student clubs and societies
- Learn from and study alongside engaging and innovative lecturers and researchers who are making ongoing impact in the industry

You'll learn to

- apply mathematical, numerical, statistical and computational sciences that underpin engineering disciplines to real-world challenges
- 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

*The Bachelor of Engineering (Honours) has provisional accreditation from Engineers Australia. Full accreditation will be applied for once the first cohort has graduated. This is backdated to cover all graduated students.

COMBINED BACHELOR'S DEGREES

Bachelor of Engineering (Honours) and Bachelor of Arts

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5 years full time, or 5.5 years for Chemical Engineering major, or part-time equivalent

Career opportunities

Business Development Manager, Diplomat, Engineer, Project Manager, Politician, Technology Journalist

Maximise your career options as an a professionally accredited engineer* with transferable communication and critical thinking skills, with our combined bachelor's degree in Engineering and Arts.

Why study this degree combination at UWA

- In just five years, you'll graduate with two qualifications, cutting years off the time it would take to study these two degrees separately
- You can cultivate your passion for communication and media studies, indigenous knowledge, history and heritage, political science and international relations, or another arts subject to complement your Engineering qualification and open up a wider choice of careers

You'll learn to

- achieve industry-ready engineering skills required to succeed in your career
- develop high levels of communication, research, and technical expertise
- develop strong reasoning ability, problem-solving, 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

uwa.edu.au/study/bb/engineering-and-arts

*The Bachelor of Engineering (Honours) has provisional accreditation from Engineers Australia. Full accreditation will be applied for once the first cohort has graduated. This is backdated to cover all graduated students.

Majors

- **Automation and Robotics Engineering (Extended Major)**
- **Biomedical Engineering (Extended Major)**
- **Chemical Engineering (Extended Major)**
- **Civil Engineering (Extended Major)**
- **Electrical and Electronic Engineering (Extended Major)**
- **Environmental Engineering (Extended Major)**
- **Mechanical Engineering (Extended Major)**
- **Mining Engineering (Extended Major)**
- **Software Engineering (Extended Major)**

Prerequisites*:

- Mathematics Methods ATAR
- At least one of the following three subjects: Mathematics Specialist ATAR, Chemistry ATAR or Physics ATAR

uwa.edu.au/study/b/engineering

* All four prerequisite subjects are recommended. If you do not have all four subjects you'll need to complete extra units in your first year, which may mean taking additional units to meet the course requirements. If you don't meet these entry requirements, you can apply for admission to the Bachelor of Science and subsequently apply to transfer into this course, subject to meeting course transfer requirements.

COMBINED BACHELOR'S DEGREES

Bachelor of Engineering (Honours) and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5 years full time, or 5.5 years for Chemical Engineering major, or part-time equivalent

Career opportunities

Accountant, Engineer in your chosen specialisation, Engineering Business Consultant, Investment Banker, Project Manager

Take your career prospects to the next level as an industry-ready engineer with additional expertise in business.

In just five years, you can graduate as a professional engineer with your Bachelor of Engineering (Honours), along with a Bachelor of Commerce with a major in Accounting, Business Analytics, Economics, Finance, Management, Marketing, Human Resource Management or Business Law.

This combined degree option allows you to pair your engineering degree with your interest in commerce and the corporate world – broadening your career options and giving you an edge in a rapidly changing workforce.

A commerce degree will complement your Engineering qualification by building your knowledge and skills in business, further developing your analytical, communication and problem-solving skills, and enhancing your employability with additional work integrated learning and real-world project experiences.

Why study this degree combination at UWA

- Engineers with business knowledge and commerce qualifications are in high demand
- Expand your opportunities if you're not certain about your future career direction, or position yourself for your dream career by complementing your engineering degree with expertise in a complementary field such as management or economics
- Studying two degrees in five years, you'll meet more people, build wider industry networks, gain more diverse knowledge and graduate more qualified
- Access to our award-winning real-time Trading Room simulation and Harvard Business School's online learning platform, HBX CORe and the world-class EZONE

You'll learn to

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

uwa.edu.au/study/bb/engineering-and-commerce

COMBINED BACHELOR'S DEGREES

Bachelor of Engineering (Honours) and Bachelor of Modern Languages

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5.25–5.5 years full time or part-time equivalent

Career opportunities

Engineer, Global Contract Negotiator, Interpreter

Take your career prospects to the next level as an industry-ready engineer with additional expertise in languages. This combined degree option enables you to pair your engineering degree with a major and minor selected from eight languages, including Chinese, French, German, Indonesian, Italian, Japanese, Korean and Spanish studies, giving you the edge in the global job market.

Why study this degree combination at UWA

- Engineers who can converse in multiple languages have an edge in the global job market
- We have WA's largest language hub with four European languages, four Asian languages and two Classical languages taught
- Competency in multiple languages broadens your career options

You'll learn to

- apply the mathematical, physical, and computational sciences that underpin engineering disciplines to solve complex open-ended engineering problems
- use your strong grounding in engineering sciences and design principles to address real-world challenges
- understand the ethical, social, environmental and financial accountabilities, opportunities and constraints of contemporary engineering practice
- achieve a high level of competency in one language and functional levels of competency in a second language in the four macro skills of reading, listening, speaking and writing

uwa.edu.au/study/bb/engineering-and-modern-languages

COMBINED BACHELOR'S DEGREES

Bachelor of Engineering (Honours) and Bachelor of Philosophy (Honours)

Minimum ATAR 98 or equivalent
Intake months February
Completion 5.5–6.5 years full time or part-time equivalent

Career opportunities

Graduates of this course have a wealth of career opportunities

This combined degree option for high-achieving students gives you the opportunity to combine your Bachelor of Engineering (Honours) with a Bachelor of Philosophy (Honours). You'll graduate as an industry-ready engineer with two honours degrees in under six years, and set yourself up for an exciting and varied career pairing engineering with another passion – whatever that may be.

The Bachelor of Philosophy (Honours) allows you to pair your Engineering studies with almost any UWA major, opening a world of possible career paths, while broadening your knowledge, networks and horizons.

Why study this degree combination at UWA

- Pursue your passions and maximise your career options. Engineers with advanced professional and research skills are in high demand
- Working with a mentor, you'll have the flexibility to design a program to stimulate and challenge your learning and to suit your personal career goals
- The research training you'll receive will ensure you develop high-level skills to address global challenges in your chosen field
- This combined degree offers exceptional career advantages, giving you an edge over your competitors. You'll also be ideally positioned to apply for PhD or research opportunities with the best universities around the world

You'll learn to

- explore your interests further through an additional major of your choice on top of gaining a broad, engineering foundation in your chosen engineering specialisation

uwa.edu.au/study/bb/engineering-and-philosophy

COMBINED BACHELOR'S DEGREE

Bachelor of Engineering (Honours) and Bachelor of Science

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5 years full time, or 5.5 years for Chemical Engineering major, or part-time equivalent

Career opportunities

Agricultural Technology Designer, Computer Scientist, Engineer, Environmental Consultant, Medical Device Designer, Software Developer

Take your career prospects to the next level as an industry-ready engineer with the additional expertise to lead innovation in the sciences.

The combination of engineering and science opens a world of possible career paths, while broadening your knowledge, networks and horizons. Along with your engineering studies, choose from a range of majors including Data Science, Cybersecurity, Environmental Science, Mathematics and Statistics, Physics, Physiology, Chemistry, Agricultural Technology, and more.

A science degree will complement your engineering qualification by further developing your analytical, communication and problem-solving skills, and enhancing your employability with additional work integrated learning and real-world project experiences. In just five years, you can graduate as an industry-ready engineer with your Bachelor of Engineering (Honours) along with a Bachelor of Science.

Why study this degree combination at UWA

- Explore major combinations that match your interests and career aspirations. Possible combinations include Software Engineering with Cybersecurity, Automation and Robotics Engineering with Computer Science, Mining Engineering with Environmental Science or Geology, Chemical Engineering with Data Science, Mechanical Engineering with Agricultural Technology, or Electrical and Electronic Engineering with Physics or Mathematics and many more*
- You could open up a wider choice of careers or position yourself for your dream career by complementing your engineering degree with sought-after expertise in a complementary field such as data science
- Studying two degrees in five years, you'll broaden your career opportunities, meet more people, build industry networks across multiple disciplines, and graduate with two separate qualifications

You'll learn to

- apply mathematical, numerical, statistical and computational sciences that underpin engineering disciplines to real-world challenges
- understand the ethical, social, environmental and financial accountabilities, opportunities and constraints of contemporary engineering practice
- explore and investigate the big issues confronting our planet
- think critically, push boundaries and develop skills in reasoning, logic, observation, analysis, creativity and more
- bridge the gap between theory and practice through practical, hands-on, industry-relevant work experience

uwa.edu.au/study/bb/engineering-and-science

*Software Engineering major cannot be paired with Computer Science or Data Science majors

MAJORS IN ENGINEERING

Automation and Robotics Engineering (Extended Major)

Career opportunities

Automation Lead, Robotics and Automation Engineer, Robotics Systems Developer

Combining relevant aspects from all engineering disciplines, software development, electronic hardware design and mechatronics, this major covers the principles, design and operation of industrial robot manipulators, as well as intelligent autonomous robots and self-driving vehicles.

Why study this course 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
- Become an engineer with sought-after automation and robotic expertise. Robotics are increasingly instrumental in engineering projects with remote operating systems, in offshore projects, mining, agriculture and healthcare – the driving forces of our economy

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

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/automation-and-robotics-engineering

Biomedical Engineering (Extended Major)

Career opportunities

Biomedical Engineer, Clinical Engineer, Rehabilitation Engineer

In this major, you'll discover the core theories, methods and practices to work at the forefront of this exciting, multi-disciplinary field in industries including biotechnology, biomedicine, pharmaceuticals, medical device and equipment industries, healthcare research and innovation. Learning to work on advances in biomedical technologies such as new surgical imaging techniques, developing medical instruments, visualisation and simulation techniques, means you'll be making a real impact on people's lives.

Why study this course at UWA

- If you have a passion for technology and engineering, and aspire to make a significant impact on people's lives, a career in biomedical engineering allows you to leverage your STEM skills to create positive changes
- You'll become an industry-ready engineer with sought-after health and biomedical expertise. With a growing demand for healthcare, and advances in technology, biomedical engineering is an emerging high-growth field, with strong demand for skills and knowledge
- The innovations and impacts in this field are limitless, from the next bionic eye, microscope in a needle or implants to control epilepsy, to tissue regeneration for cancer patients (all biomedical tech innovations)

You'll learn to

- synthesise, design and maintain biomedical devices that are fit for purpose
- design medical devices for diagnosis or treatment of disease or physical rehabilitation
- apply mathematical, numerical, statistical and computational sciences that underpin engineering disciplines to medical and healthcare applications

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/biomedical-engineering

Chemical Engineering
(Extended Major)

Career opportunities

Chemical Engineer, Process Engineer, Production/Operations Engineer

Be equipped with the skills and knowledge to design sustainable chemical processes, equipment and products to improve society and the environment.
A world of opportunities opens for you when you become a chemical engineer. You could work in the energy, mining, renewable energy, water, or waste treatment industries, or apply your knowledge and skills to the finance and consulting sectors.

Why study this course at UWA

- Make valuable career connections with UWA's industry partners, including Chevron, Lycopodium, South32 and Woodside and other members of our industry advisory panel – giving your career a head-start
- Become an industry-ready chemical engineer with broad knowledge of alternative energy sources and climate change-mitigation strategies
- Career options are extensive and some of the highest-paid in the industry, including work in petroleum, minerals processing, oil and gas, water and waste management, and renewable and sustainable energy

You'll learn to

- formulate, conduct and present research into new products, processes or chemical/physical phenomena
- apply detailed knowledge of chemical processing and underpinning thermodynamics
- apply mathematical, numerical, statistical and computational sciences that underpin engineering to design methods, equipment and products to improve the chemical processes within industries such as oil and gas, sustainable energy and mineral processing
- understand topics such as advanced oil and gas processing, combustion science and technologies, renewable energy and alternative fuels, mineral processing, reaction engineering and catalysis, and flow phenomena relevant to chemical processes

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/chemical-engineering

Civil Engineering
(Extended Major)

Career opportunities

Civil Engineer, Structural Engineer, Transportation Engineer

This major focuses on the plan, design, construction and maintenance of projects ranging from commercial and residential buildings, to offshore structures. You'll develop the essential skills and knowledge for sustainable professional practice of civil engineering projects and producing safe, economical and environmentally sound structures. You'll cover geotechnical engineering, structural engineering, hydrology and hydraulic engineering, surveying, coastal and offshore engineering, construction and transportation engineering.

Why study this course at UWA

- Make valuable connections with UWA's industry partners including Arup, Atteris, BC&E, Georgiou, Golder Associates, Main Roads WA, and more – giving your career a head-start
- Become an industry-ready civil engineer capable of shaping our world with inspiring, quality, efficient, safe and sustainable infrastructure
- Partner your project management skills with technical and practical understanding by working with UWA's geotechnical, structural and water engineering facilities. These include earthquake simulation designed for industry, the world's largest O-tube water flume, the large-scale low-speed wind tunnel, geotechnical centrifuges, pressure chambers and EZONE's structural lab

You'll learn to

- understand management and analysis of civil engineering projects and data
- analyse risk and safety
- apply core civil engineering disciplines such as structural mechanics, geomechanics, rock mechanics and hydraulics to real-world projects
- apply mathematical, numerical, statistical and computational sciences that underpin engineering to design methods, equipment and products, improving safety and built environments

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/civil-engineering

Electrical and Electronic Engineering (Extended Major)

Career opportunities

Electrical Engineer, Electronics Engineer, Electrical Power Engineer

Electrical and electronic engineering spans from the nanometres-thick scale of advanced electronic devices to the kilometres-long scale of power transmission, and everything in between. You'll learn to overcome challenges in the generation and transmission of information and electric power, and the design and testing of electrical and electronic devices, circuits and systems. You'll also consider the context of the broader system application, including economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability constraints.

Why study this course at UWA

- Make valuable connections with UWA's industry partners, including Alcoa, Atlas Copco, Lycopodium, South32, Western Power and other members of our industry advisory panel – giving your career a head-start
- Become an industry-ready electrical and electronic engineer, opening up a world of career opportunities in innovative fields such as developing sustainable energy solutions, designing technologies to improve healthcare, creating systems that support industry or communities, or designing electronics to transform lives
- Be involved with the Renewable Energy Vehicle (REV) project or in the Robotics Lab, developing sustainable energy solutions, designing new technologies, solving detailed computer problems and working with some of the world's best minds

You'll learn to

- make tangible contributions, meet new technical challenges, contribute effectively as a team member, and be an innovator in the analysis, design and implementation of electrical and electronic devices and systems
- apply knowledge in the core sub-discipline areas of Power and Control, Electronics, Communications and Computing (which includes automation and robotics)

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/electrical-and-electronic-engineering

Environmental Engineering (Extended Major)

Career opportunities

Environmental Engineer, Consultant or Researcher

Make a positive impact as an environmental engineer, applying your understanding of natural systems and technical engineering skills to find creative solutions to pressures facing our environment and sustainable development. You'll gain a thorough understanding of the environmental challenges facing our world and how we can apply engineering practice to assess and manage the effects of human and other activity on the natural and built environment.

Why study this course at UWA

- Make valuable connections with UWA's industry partners, including Department of Water and Environmental Regulation, Water Corporation and other members of our industry advisory panel – giving your career a head-start
- Become an industry-ready environmental engineer, highly sought-after by employers in regulatory authorities, mining and construction companies, development organisations, consultancies and government agencies
- Join a community of leaders making a real impact – UWA is ranked 38th in the world and 2nd in Australia for Environmental Science and Engineering (ARWU 2023)

You'll learn to

- research and develop new technologies and techniques to improve the environmental acceptability of engineering projects
- evaluate environmental and social impacts of engineering projects
- design and operate processes to treat wastes to a standard acceptable for discharge and/or recycling work with occupational health experts to ensure a hazard-free working environment
- effectively communicate relevant issues to others

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/environmental-engineering

Mechanical Engineering
(Extended Major)

Career opportunities

Mechanical Engineer, Technology Manager, Operations Engineer

Mechanical engineering involves the design, manufacture and operation of machines and devices of all types. You'll explore the theory and practise used in mechanisms, machines, vibration, manufacturing, control, thermodynamics, fluid mechanics, materials, robotics, and computer simulation. You'll gain the knowledge and skills to work in industry to design new devices, and to carry out research into mechanical systems including the system operation and control.

Why study this course at UWA

- Make valuable connections with UWA's industry partners, including Alcoa, Chevron, Lycopodium, Royal Perth Hospital, Woodside and other members of our industry advisory panel – giving your career a head-start
- Become an industry-ready mechanical engineer with a broad skill set, which will place you in high demand across industries from offshore and petroleum engineering through to the building, mining, mineral processing, construction, power, automotive and aerospace manufacturing
- Join a community of like-minded inventors and innovators, who enjoy getting hands-on with thermodynamics, measurement and noise, machine components and more in the UWA Makers Lab

You'll learn to

- synthesise and design, select and size mechanical components and systems that satisfy specific design criteria
- apply the principles of project planning, project management, and risk and safety management
- work effectively and take responsibility for successful outcomes as an individual, team member or team leader while also demonstrating a good understanding of engineering practice, such as aligning a project with stakeholder interests, social and environmental responsibility, and occupational health and safety

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/mechanical-engineering

Mining Engineering
(Extended Major)

Career opportunities

Mining Engineer, Consultant, Technical Specialist

In this major you'll be taught by internationally recognised experts who are across the very latest ideas and new technologies. Through class activities and mine site visits, you'll get exposure to industry practises and form networks for your future career. You'll get the opportunity to work on practical projects, either individually or in a team. You'll build the technical skills, mining science knowledge, industry connections and hands-on experience to excel in the global resources sector, and to lead the technological transformation and development of the industry.

Why study this course at UWA

- Study in Perth WA, one of the world's leading centre for mining engineering. This enables you to make valuable connections with UWA's industry partners including BHP, FMG, Rio Tinto and other members of the mining industry-giving your career a head-start
- Be taught by world leading experts in their field, giving you an all-round knowledge base
- UWA is ranked 13th in the world and 3rd in Australia for Mining and Mineral Engineering (ARWU 2023), meaning you'll be learning and working alongside leaders making a real impact
- Study alongside students from a range of different engineering specialisations, sharing ideas and gaining an understanding of how to work in successful cross-functional teams

You'll learn to

- select the most appropriate mining techniques for any operation, considering technical applicability, costs and safety
- assess internal and external risks and constraints in mine-site operation
- identify which mining equipment is appropriate for a specific location, and accurately design its operation and productivity

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/mining-engineering

Software Engineering
(Extended Major)

Career opportunities
Software Engineer, Data Analyst, Network Engineer

This major will provide you with the technical expertise and skills to design and implement a wide range of software engineering solutions. Along with advanced programming skills, you'll develop a diverse set of skills including teamwork, communication, problem-solving and project management to allow you to get ahead in a rapidly evolving industry. With a solid foundation in software requirements, design, implementation, testing and professional engineering standards, you'll be equipped to adapt to new areas of specialisation and changes in technology.

Why study this course at UWA
- Become an industry-ready software engineer with a broad skillset, which will place you in high demand across industries including IT, finance, government, education, defence, and more
- Gain practical experience developing real-world software for real-world clients and be mentored by world-class academics to conduct research projects, giving you a head-start in your career
- Gain access to our dedicated student clubs and societies in computer science and software engineering connecting you with like-minded people with multiple events happening all around the year including industry engagement nights, hackathons, international competitions and many more

You'll learn to
- apply knowledge of computing and software engineering through research, experimentation and analysis, identifying needs, developing hypotheses and applying methods to new settings
- design experiments or theories, critically evaluate and then effectively communicate the results
- apply the practical use of research techniques, building on UWA's strengths in software engineering theory

Bachelor's degree: Engineering (Honours)

uwa.edu.au/study/software-engineering

Innovative ways to learn in Engineering

Developed with our partners in technology, resources, energy, infrastructure, marine and offshore industries, the Bachelor of Engineering (Honours) will produce exceptional, career-ready engineers in four years.
Our industry partners have identified key skills and qualities they need in new engineers to perform in their rapidly evolving sectors, including advanced technical knowledge, hands-on skills, and communication, teamwork and problem solving, to work alongside AI and automated systems.

In addition to internships and industry projects, you'll take part in three one-week skills programs. Each will equip you with the skills you need to succeed in your studies and career.

In your first year
A week of interactive activities to teach technical and enterprise skills, including teamwork, technical writing, report writing and using technical references.

In your second year
A week of hands-on workshops where you'll learn to use the specialisation-specific tools, instruments and devices you'll need on the job, such as welding, 3D printing and soldering.

In your third year
A week-long workplace simulation or project to help you secure and prepare for your practical industry placement. You'll gain problem-solving, creativity, communication, leadership and other enterprise skills. You'll also work on interview preparation and how to succeed in a modern workplace setting.

There's also 450 hours of practical work integrated learning (internship) to complete, making our grads industry-ready. This will help you gain the must-have skills identified by our industry partners, who helped us design the course to train the engineers of tomorrow.

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.

uwa.edu.au/study/areas/health-biomedical-sciences

Top five reasons to study Health and Biomedical Sciences at UWA

1. You'll gain real-world experience through **lab-based learning**, industry placements and research projects
2. Classes at UWA Health Campus on the Queen Elizabeth II Medical Centre site, the **largest medical centre in the Southern Hemisphere**
3. You'll have the opportunity to learn from, and network with, some of the brightest minds in the state
4. We are ranked **3rd in Australia** and 35th in the world **for Clinical Medicine** (ARWU 2023)
5. We are ranked **2nd in Australia** and 45th in the world **for Human Biological Sciences** (ARWU 2023)

Our UWA Health Campus is a hive of cutting-edge, world-class medical research, biotechnology, pathology, and healthcare training facilities to enrich your study.

The global demand for graduates with health and medical expertise is growing. You may choose to become a health practitioner, working directly with patients in hospitals or community, or a career in research, training, policy, planning or management.

You can also join the in-demand health industry through a postgraduate qualification in public health, infectious diseases, nutrition, exercise and health, clinical exercise physiology or sport science.

We are tightly integrated with the WA's health system, public and private health providers, consumer advocacy groups and community health organisations. This close interaction ensures you'll be equipped with the skills and knowledge to become a health leader of the future.

Our pioneering research continues to have an impact on the health of people worldwide, be it in preventing preterm birth, discovering the genetic basis of inherited and acquired disorders, or regenerative medicine.

Our researchers all share the desire to make a difference by translating their discoveries into clinical practice. Interdisciplinary collaboration is at the heart of our research success.

COMPREHENSIVE DEGREE

Bachelor of Biomedical Science

Minimum ATAR 80 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Biomedical Scientist or Researcher, Infectious Disease Epidemiologist, Exercise Physiologist, Sports Scientist, Health Policy Adviser, Laboratory Technician or Manager

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 a flexible, practical and exciting degree designed to meet growing global demand for health graduates. Our state-of-the-art biotechnology facilities provide you with hands-on experience in the latest advancements, while our pathology labs offer a window into the intricate workings of healthcare diagnostics.

Some of your classes are held at the UWA Health Campus, located on the Queen Elizabeth II Medical Centre, adjacent to major hospitals and internationally renowned medical research organisations including the Harry Perkins Institute of Medical Research and the Telethon Kids Institute.

Why study this degree 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 and WA's leading clinicians and scientists
- This degree encompasses laboratory-based, research-informed learning, practical industry placements, and a wide range of majors spanning multiple health disciplines

You'll learn to

- bridge the gap between academic theory cutting-edge research and real-world experience, ensuring you are ready to enter the global workforce
- develop the essential transferable knowledge and skills to impact the health of people and populations and flourish in your chosen career
- gain a sound understanding of how the human body functions in healthy and diseased states, the nature and origins of diseases and their treatment, and the principles of healthcare at the individual and population level

Majors

- **Aboriginal Health and Wellbeing**
- **Anatomy and Human Biology**
- **Biochemistry and Molecular Biology**
- **Exercise and Health**
- **Genetics**
- **Humanities in Health and Medicine**
- **Microbiology and Immunology**
- **Neuroscience**
- **Pathology and Laboratory Medicine**
- **Pharmacology**
- **Physiology**
- **Public Health**

uwa.edu.au/study/b/biomedical-science

Improve your career prospects and extend your knowledge through our Bachelor of Biomedical Science (Honours).

COMPREHENSIVE DEGREE

Bachelor of Science

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Anatomist, Biochemist, Biological Anthropologist, Biomedical Scientist, Biotechnologist, Food Safety Scientist, Geneticist, Health and Fitness Coordinator, Neuroscientist, Reproductive Technologist, Sport Scientist

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.

Why study this degree at UWA

- You'll be taught by the world's leading academics
- You'll gain highly-valued skills that will ensure you are well-prepared for many diverse and exciting careers
- UWA is ranked in the world's top 50 for Anatomy and Physiology, Psychology and Sports-related Subjects and in the top 100 for Dentistry and Life Sciences and Medicine (QS 2023)

You'll learn to

- think critically and push boundaries to investigate the big issues confronting our planet
- develop scientific skills in reasoning, logic, observation and analysis
- gain hands-on industry-relevant experience and skills
- bridge the gap between theory and practice through work experience opportunities

Majors

- Agribusiness
- Agricultural Science
- Agricultural Technology
- **Anatomy and Human Biology**
- **Biochemistry and Molecular Biology**
- Botany
- **Chemistry**
- Computer Science
- Conservation Biology
- Cybersecurity
- Data Science
- Environmental Management
- Environmental Science
- **Exercise and Health**
- **Genetics**
- Geographical Sciences
- Geology
- Marine and Coastal Processes
- Marine Biology
- Mathematics
- **Microbiology and Immunology**
- **Neuroscience**
- Physics
- **Physiology**
- Psychological and Behavioural Sciences
- **Sport Science**
- Statistics
- Zoology

You can also take this degree as a Combined Bachelor's and Master's

- Bachelor of Science and Master of Teaching (Secondary)

Minimum ATAR: 84 or equivalent

uwa.edu.au/study/b/science

Improve your career prospects and extend your knowledge through our Bachelor of Science (Honours).

SPECIALISED DEGREE

Bachelor of Biomedicine (Specialised)

Minimum ATAR 92 or equivalent - restrictions apply
Intake months February
Completion 3 years full time

Career opportunities

Audiologist*, Dentist*, Genetic Counsellor*, Medical Practitioner*, Medical Scientist (Diagnostics), Medical/ Biomedical Researcher, Microbiologist, Optometrist*, Pharmacist*, Podiatrist*

The Bachelor of Biomedicine (Specialised) is a practical degree providing learning across a broad range of health and medical disciplines, designed to articulate with UWA's health professional degrees. Multiple specialisations within the biomedical disciplines are offered to enable breadth and depth of learning in your field of interest, including Aboriginal Health and Wellbeing, Human Biology, Genetics, Biochemistry, Physiology, Pharmacology Microbiology and Pathology.

Some of your classes will be held at the UWA Health Campus located at the Queen Elizabeth II Medical Centre - the largest health campus in the Southern Hemisphere. Our UWA Health Campus is a hive of cutting-edge, world-class medical research, biotechnology, pathology, and healthcare training facilities to enrich your study, as well as being surrounded by internationally renowned medical research organisations including the Harry Perkins Institute of Medical Research and the Telethon Kids Institute.

Why study this degree at UWA

- You'll be taught by world-class researchers in cutting-edge laboratories and teaching spaces
- You'll learn from and network with many bright minds, including the state's leading clinicians and biomedical scientists
- You'll engage with your fellow students and expert teaching academics from day one at UWA and in two units every semester, creating an exceptional cohort and student experience

You'll learn to

- gain in-depth understanding of how the human body functions in health and disease
- develop essential skills that impact the health of people in our communities
- choose your specialisation to gain expertise in the field, ensuring job-readiness
- for Assured Pathway students - be guided by health professionals in clinical learning settings

Majors

- **Integrated Dental Sciences (Extended Major)[1]**
- **Integrated Medical Sciences and Clinical Practice (Extended Major)[2]**
- **Medical Science (Extended Major)**
- **Podiatric Health and Medical Sciences (Extended Major)[3]**

uwa.edu.au/study/b/biomedicine

*Postgraduate studies required
1 The Integrated Dental Sciences extended major is only available to students who are offered an Assured Pathway to the Doctor of Dental Medicine
2 The Integrated Medical Sciences and Clinical Practice extended major is only available to students who are offered an Assured Pathway place to the Doctor of Medicine
3 The Podiatric Health and Medical Sciences extended major is only available to students who are offered an Assured Pathway to the Doctor of Podiatric Medicine

SPECIALISED DEGREE

Bachelor of Human Sciences

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Anatomist, Biological Anthropologist, Neuroscientist

The Bachelor of Human Sciences will provide you with an interdisciplinary understanding of human function and behaviour and how it adapts to change. You'll develop skills in critical and analytical thinking and innovation, for engagement with community, government and industry. It will also prepare you for honours and a range of postgraduate programs.

Why study this degree at UWA

- UWA is ranked 1st in WA for Human Biological Sciences (ARWU 2023)
- UWA is ranked 1st in WA and 23rd in the world in Anatomy and Physiology (QS 2023)

You'll learn to

- demonstrate broad, deep and coherent theoretical knowledge within the human sciences
- apply appropriate techniques to the collection, presentation, analysis and interpretation of data
- demonstrate skills and knowledge necessary for employment in the human sciences and further study

Majors

- **Human Sciences (Anatomy and Physiology) (Extended Major)**
- **Human Sciences and Data Analytics (Extended Major)**
- **Human Science and Neuroscience (Extended Major)**
- **Pharmaceutical Health (Extended Major)**[1]

You can also take this degree as a Combined Bachelor's and Master's

- Bachelor of Human Sciences and Master of Bioinformatics

Minimum ATAR: 90 or equivalent

- Bachelor of Human Sciences and Master of Pharmacy[1]

Minimum ATAR: to be confirmed[2]

uwa.edu.au/study/b/human-sciences

1 The Pharmaceutical Health extended major is only available to students who are offered an Assured Pathway in the Bachelor of Human Science and Master of Pharmacy
2 Subject to final approval. See website for the most up to date course information

COMBINED BACHELOR'S AND MASTER'S DEGREE

Bachelor of Human Science and Master of Pharmacy*

Accelerate your pharmacy career with our four-year combined bachelor's and master's degree that includes practical training to become a registered intern pharmacist in Australia.

The bachelor component of this course (Pharmaceutical Health major) provides strong foundational knowledge in human and biomedical science disciplines focusing on human structure and function and how this relates to medications in the body. The Master of Pharmacy provides advanced study in the areas of pharmaceutical sciences, clinical pharmacy, and healthcare management. You'll develop critical thinking, research skills, and clinical expertise making you a highly skilled professional in the dynamic and evolving field of pharmacy.

Visit our website for more information on the pathway to the Master of Pharmacy, admission requirements and selection

* Subject to final approval. See website for the most up to date course information

SPECIALISED DEGREE

Bachelor of Molecular Sciences

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Biochemist/Molecular Biologist, Biotechnologist, Food Scientist

In Molecular Sciences, you'll learn about life at the molecular level. Starting with the building blocks of life, you'll work towards understanding the complex function of cells, tissues and organisms. Training in cutting-edge technologies will equip you with the tools to answer the many challenges in the biological and/or health sciences.

Why study this degree at UWA

- This degree at UWA is the ultimate multi and inter-disciplinary learning experience.
- You'll be taught by top researchers in Molecular Sciences
- The specific skills and knowledge developed and demonstrated by graduates are highly valued by employers and will make you highly competitive in the job market

You'll learn to

- demonstrate broad and coherent theoretical and technical knowledge in the discipline of Molecular Sciences
- apply well-developed cognitive, creative and communication skills in diverse contexts
- exercise independent judgment and critical thinking in identifying and solving problems

Majors

- **Biochemistry of Nutrition (Extended Major)**
- **Molecular Life Sciences (Extended Major)**

You can also take this degree as a Combined Bachelor's and Master's

- Bachelor of Molecular Sciences and Master of Bioinformatics
- Bachelor of Molecular Sciences and Master of Biomedical Science
- Bachelor of Molecular Sciences and Master of Biotechnology

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/molecular-sciences

SPECIALISED DEGREE

Bachelor of Sport and Exercise Sciences

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Exercise Scientist, Performance Consultant, Sports, Health and Fitness Coach

The Bachelor of Sport and Exercise Sciences will provide you with the knowledge and skills required for a successful career in the sport, exercise and health industries. You'll learn to apply theoretical knowledge to develop and deliver exercise-based interventions for fitness, health and wellbeing, and performance.

Why study this degree at UWA

- Our work integrated learning program will ensure you are 'job ready'
- Become an accredited Exercise Scientist with WA's number one Sport and Sciences program (QS 2023)*
- Help tackle our biggest health challenges by understanding the effects of physical activity on human health and performance

You'll learn to

- demonstrate broad and coherent theoretical and technical knowledge with depth in the discipline of Sport and Exercise Sciences
- exercise critical thinking and judgement in identifying and solving problems with intellectual independence
- demonstrate skills and knowledge necessary for both employment in the discipline of sport and exercise sciences and further study

Major

- **Sport Science, Exercise and Health (Extended Major)**

You can also take this degree as a Combined Bachelor's and Master's

- Bachelor of Sport and Exercise Sciences and Master of Applied Human Performance Science
- Bachelor of Sport and Exercise Sciences and Master of Clinical Exercise Physiology
- Bachelor of Sport and Exercise Sciences and Master of Public Health

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/sport-and-exercise-sciences

*Graduates may apply to Exercise and Sports Science Australia (ESSA) within two years of completing the course for credentialing as an Accredited Exercise Scientist (AES).

SPECIALISED DEGREE

Bachelor of Social Work (Honours)

Minimum ATAR 75 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Case Worker, Community Development Practitioner, Correctional Services Counsellor, Disability and Rehabilitation, Domestic Violence Victim Services Officer, Hospital Social Worker, Mental Health Social Worker, Refugee and Asylum Seeker Advocate, Social Planner

The Bachelor of Social Work (Honours) equips you with the skills to drive positive change in individuals, organisations, and communities. Offering flexibility with on-campus or online study and regional support hubs in Western Australia, the course emphasises practical experience through 1,000 hours of field education placements. This hands-on approach prepares you for real-world challenges, ensuring a well-rounded foundation for your future as a social work practitioners.

Why study this degree at UWA

- Social Work is in the top 25 high-growth industries in Australia (Australian Government, 2022, Employment Projections)
- You'll be taught by highly qualified, award winning staff who are passionate about teaching and learning
- Flexible learning options to suit you. Study on-campus or online, with regional hubs around WA to support your learning.
- You'll successfully complete 1,000 hours of field education placements
- The combination of coursework units and high-quality placements in the field presents you with the opportunity to integrate knowledge and skills and develop a sense of identity as a practitioner
- You'll be taught using creative case study and evidence-informed methodologies, highlighting contemporary approaches to practice and research

You'll learn to

- act in accordance with social work knowledge, values and ethics within a human rights framework
- apply knowledge of human behaviour and society, as well as the social, cultural, political, legal, economic and global contexts of practice to respond effectively within a human rights and social justice framework

Major

- **Social Work (Extended Major)**

uwa.edu.au/study/b/social-work

MAJORS IN HEALTH AND BIOMEDICAL SCIENCES

Aboriginal Health and Wellbeing

Career opportunities

Health and Welfare Services Manager, Health Policy Adviser, Health Promotion Officer, Social Worker*

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 at UWA

- 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 initiatives
- demonstrate strong knowledge of human biology, assisting in evaluating the biological evidence about disease mechanisms
- show 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

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

Prerequisite:

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

Trending second majors: Indigenous Knowledge, History and Heritage; Humanities in Health and Medicine; Public Health

uwa.edu.au/study/aboriginal-health-and-wellbeing

*Postgraduate study required

Anatomy and Human Biology

Career opportunities

Anatomist, Biological Anthropologist, Clinical Research Assistant, Reproductive Technologist

This 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, cells, genetics, variation and evolution, reproduction, and embryology and growth. This major is relevant for any profession that deals with the human biological condition and is sufficiently versatile for a multitude of careers.

Why study this course at UWA

- Discover how and why your body works, where people come from and how we are related
- UWA is ranked 1st in Australia for Biological Sciences (ARWU 2023) and 3rd in Australia for Anatomy and Physiology (QS 2023)
- Learn from award-winning teaching staff and internationally renowned researchers

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
- understand how humans respond to changing environments, due to factors like climate change and pandemics

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

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

Trending second majors: Neuroscience, Physiology, Sport Science

uwa.edu.au/study/anatomy-and-human-biology

Biochemistry and Molecular Biology

Career opportunities

Biochemist, Biotechnologist, Clinical Scientist, Forensic Scientist, Nanotechnologist, Pharmacist*

What are genes? What goes wrong in a cancer cell? If you want the answers to these questions then this major may be for you. You'll gain an insight into the mechanisms of evolution, growth, development, reproduction and disease, plus tools to improve quality of life.

Why study this course at UWA

- Molecular biologists are in demand for careers in the environmental, life and health sciences
- Gain experience in advanced laboratory methods using modern equipment and techniques
- Understand the molecular functions of all living organisms through a dynamic program of interactive instruction

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
- gain laboratory skills including solution preparation, qualitative and quantitative analytical methods, and operation of laboratory equipment
- effectively communicate biochemical and molecular biological knowledge in both written and oral forms

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

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**

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

Recommended subject: Biology ATAR or Human Biology ATAR**

uwa.edu.au/study/biochemistry-and-molecular-biology

*Postgraduate study required

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

Biochemistry of Nutrition
(Extended Major)

Career opportunities

Clinical Dietitian, Food and Nutrition Sales, Food Technologist, Health and Diet Advisor, Health Promotion Officer, Nutritional Biochemist

Are you interested in the role of nutrition in reducing morbidity and improving health? The Biochemistry of Nutrition major combines physiology, human biology, microbiology, chemistry, molecular biology, and biochemistry and applies these sciences specifically, to the study of health, diet, nutrition, disease, and the connections that exist among them.

Why study this course at UWA

- 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

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

Bachelor's degree: Molecular Sciences or Philosophy (Honours)

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 subject: Biology ATAR or Human Biology ATAR*

uwa.edu.au/study/biochemistry-of-nutrition

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

Chemistry

Career opportunities

Analytical Chemist, Environmental Scientist, Materials Scientist, Polymer Chemist

Chemistry graduates are trained to address the world's challenges, from the identification of the structure and properties of natural products to the synthesis of new medicines, the design of new materials and the detection and identification of pollutants. Research in chemistry underpins all aspects of molecular science.

Why study this course at UWA

- Learn all major aspects of the field, including inorganic, organic and organometallic chemistry, catalysis, medicinal and biological chemistry, materials science and nanotechnology, polymer chemistry, analytical chemistry, and workplace operation and safety
- Get hands-on practical learning in modern, well-appointed laboratories, as well as opportunities for research experience
- Graduate with extensive career options in a wide range of industries

You'll learn to

- understand the structure, properties and reactions of molecules and materials
- carry out chemical transformations over a range of scales, and gain experience in laboratory and workplace safety
- use advanced analytical instrumentation and spectroscopic methods to identify molecular structure and function
- develop practical skills and research strategies to solve problems using the chemical sciences

Bachelor's degree: Science or Philosophy (Honours)

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 subject: Mathematics Methods ATAR

uwa.edu.au/study/chemistry

Exercise and Health

Career opportunities

Health and Fitness Coordinator, Health and Physical Activity Advisor

A major in Exercise and Health science ensures you'll 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 at UWA

- Become a leader in a growing and dynamic industry where work opportunities are wide and varied
- Be taught by award-winning academics 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
- apply well-developed cognitive, creative and communication skills in diverse contexts
- review critically, analyse, consolidate and synthesise knowledge
- exercise critical thinking and judgement in identifying and solving problems with intellectual independence

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

Prerequisite:

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

Trending second majors: Physiology; Anatomy and Human Biology; Management

Recommended subject: Mathematics Applications ATAR

uwa.edu.au/study/exercise-and-health

Genetics

Career opportunities

Agricultural Scientist, Biotechnologist, Conservation Biologist, Forensic Scientist, Genetic Counsellor, Geneticist

Genetics is the study of biologically inherited traits as diverse as those that cause human disease, allow a rare plant to live in a single, isolated location, or result in a desirable characteristic found in a domestic animal or agricultural crop. Your studies in genetics involve the analysis of DNA and the many ways in which it is expressed. This major delivers a broad overview of the universal principles, potentials and problems associated with DNA-based life, and provides you with the essential skills of a geneticist.

Why study this course at UWA

- Benefit from hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations
- Open up to various career opportunities in agriculture, biochemistry, botany, conservation biology, genetics, genomics, medical fields, synthetic biology and more

You'll learn to

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

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

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*

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

Recommended subject: Biology ATAR or Human Biology ATAR*

uwa.edu.au/study/genetics

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

Human Sciences (Anatomy and Physiology)
(Extended Major)

Career opportunities

Anatomist, Health Policy Officer, Physiologist*

This major focuses on the complementary disciplines of Anatomy and Physiology. The major provides foundational information on these disciplines, from the molecular and cellular level to organs and body systems, and explores how human form and function have adapted and acclimatised to different environmental pressures. Study topics include functional anatomy, exercise and clinical physiology.

Why study this course at UWA

- UWA is ranked 1st in WA and 23rd in the world in Anatomy and Physiology (QS 2023)
- Theory presented in this major is supplemented with practical laboratory experiences and the dissection and study of human cadaveric material
- Develop skills and knowledge required for entry into professional master's programs including; Optometry, Clinical Audiology, Podiatry, Social Work and Pharmacy

You'll learn to

- demonstrate familiarity with human anatomy and physiological function in health and disease
- understand how changes in environmental conditions can impact human physiological function
- analyse and interpret anatomical and physiological data obtained from different measurement and imaging systems
- appreciate the value of human diversity and how it informs the disciplines of anatomy and physiology

Bachelor's degree: Human Sciences or Philosophy (Honours)

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/anatomy-and-physiology

*Postgraduate study is required

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

Human Sciences and Data Analytics (Extended Major)

Career opportunities

Analyst, Biological Anthropologist, Data Analyst, Health Promotion Officer

As the world becomes increasingly globalised, the importance of understanding and respecting cultural and physical differences between individuals becomes critical. You'll examine what it means to be 'human' in today's complex world by analysing data that underpins the biology and behaviour of humans and how this is influenced by genetic, developmental, ecological and cultural factors.

Why study this course at UWA

- Gain skills such as analytical thinking and innovation, critical thinking, complex problem-solving and programming
- Gain transferable skills for communication and engagement with community, government and industry groups involved in social and public health policies
- UWA is ranked 1st in WA for Human Biological Sciences (ARWU 2023)

You'll learn to

- demonstrate an understanding of the evolutionary processes that determine human differences within and between populations
- apply acquired knowledge to clearly define questions about human evolutionary, behavioural biology and ecology
- design experiments to answer questions related to issues in the human sciences including ecology, effects of climate change on humans, progression and effects of pandemics

Bachelor's degree: Human Sciences or Philosophy (Honours)

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/human-sciences-and-data-analytics

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

Human Science and Neuroscience (Extended Major)

Career opportunities

Medical Technician, Neuroscientist, Research Scientist

Combining a strong core of Neuroscience and Physiology with the disciplines of Psychology and Anthropology, this major offers excellent preparation for careers in clinical and healthcare settings, as well as in medical research. You'll gain a unique insight into how human behaviour is influenced by genetic, developmental, ecological and cultural factors.

Why study this course at UWA

- Develop skills and specialised knowledge in the rapidly evolving field of neurobiology
- Our intensive hands-on laboratories and interaction with world leading researchers help you to develop valuable practical and professional skills
- UWA is ranked 1st in WA for Human Biological Sciences (ARWU 2023)

You'll learn to

- appreciate the value of human diversity for its own sake and how it informs the disciplines of neuroscience, anatomy and physiology
- apply your knowledge of basic cell and systems biology and biological chemistry to neural cells and systems
- understand the neuroscience underpinning common pathological conditions of the nervous system
- integrate key knowledge and concepts about the structure and function of the human brain, and how this is expressed in behaviour

Bachelor's degree: Human Sciences or Philosophy (Honours)

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/human-science-and-neuroscience

*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

Community Health Practitioner, Health Educator, Health Researcher, Healthcare Administrator

This major 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 the management and promotion of health and the treatment of illness.

Why study this course at UWA

- 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

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

Prerequisite:

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

Trending second majors: Physiology; Psychological and Behavioural Sciences

uwa.edu.au/study/humanities-in-health-and-medicine

Integrated Dental Sciences (Extended Major)*

Career opportunities**

Dentist

This major draws on all biomedical scientific disciplines to understand and manage human disease and illness. It contains foundational learning about the roles of a dentist and introduces you to pre-clinical dental training.

Why study this course at UWA

- 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 Dental Medicine through an Assured Pathway
- Experience expert teachers delivering an interesting and innovative curriculum

You'll learn to

- demonstrate sound knowledge in anatomy, physiology, biochemistry, genetics, immunology, haematology, microbiology, anatomical pathology and pharmacology
- apply the principles of clinical reasoning to core dental and oral conditions and diseases
- apply medical and dental-history taking and oral examination, along with an understanding of the patient's perspective and quality patient-centred care
- undertake clinical dental procedures in a simulation environment

Bachelor's degree: Biomedicine (Specialised)

Prerequisites:

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

Recommended subjects: Mathematics Methods ATAR

uwa.edu.au/study/integrated-dental-sciences

*The Integrated Dental Sciences extended major is only available to students who are offered an Assured Pathway to the Doctor of Dental Medicine.

**Postgraduate study required

Integrated Medical Sciences and Clinical Practice
(Extended Major)*

Career opportunities**
Medical Practitioner

This major draws on all biomedical scientific and clinical disciplines to understand human and health disease.

Why study this course at UWA
- Gain foundational knowledge in biomedical disciplines, clinical skills and professional behaviour
- Prepare for further study in the Doctor of Medicine
- UWA is ranked 3rd in Australia for Clinical Medicine and 2nd in Australia for Human Biological Sciences (ARWU 2023)

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 appreciation of the patient's perspective and quality patient-centred care

Bachelor's degree: Biomedicine (Specialised)

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/integrated-medical-sciences-and-clinical-practice

*The Integrated Medical Sciences and Clinical Practice extended major is only available to students who are offered a place in The Doctor of Medicine.
**Postgraduate study required

Medical Science
(Extended Major)

Career opportunities
Medical Scientist

This major focuses on mechanisms of health and human disease, providing you with the essential preclinical knowledge, coupled with in-depth study in a chosen discipline to prepare for a specialist career. This includes human anatomy, biochemistry, microbiology, immunology, pathology, haematology, pharmacology, physiology, and public health.

Why study this course at UWA
- Enjoy an exceptional cohort experience whilst undertaking highly-rated units taught by award-winning academics
- Experience a broad, pre-clinical, pan-discipline education, plus a single discipline focus as a specialisation
- Gain essential knowledge and skills to meet growing global demand for graduates with expertise in a range of health science disciplines
- Study in state-of-the-art laboratories and e-learning suites across the UWA campus and QEII Medical Centre

You'll learn to
- articulate a broad knowledge of the structure and physiology of the human body at a molecular, cellular, organ and body system levels
- define communicable and non-communicable disease processes and health interventions
- develop in-depth knowledge of a nominated medical science specialisation
- communicate biomedical concepts and knowledge to diverse audiences in effective and appropriate ways
- evaluate and adopt research methodologies including research design and the analysis and interpretation of health and medical data

Bachelor's degree: Biomedicine (Specialised)

Prerequisites:
- Mathematics Applications ATAR OR mathematics unit taken in the first year
- Chemistry ATAR OR a chemistry unit taken in the first year

NOTE: Quota restrictions apply to this major.

uwa.edu.au/study/medical-science

Microbiology and Immunology

Career opportunities

Environmental Testing Scientist, Food Safety Scientist, Medical Laboratory Technician, Research Assistant

Microbiology is the study of microorganisms and how they interact with the macro-world to influence health and disease of all life forms on earth. Immunology studies the role of the immune system in maintaining health or causing disease. Your studies can be applied in areas as diverse as medicine, food spoilage, control of environmental pollution and space science.

Why study this course at UWA

- As a graduate, you'll be eligible for membership with the Australian Society for Microbiology (ASM), the national scientific society of the profession
- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised research institutes, allowing you to interactively experience real-life scenarios
- Enjoy richer student experiences through Student Exchange and Study Abroad
- Benefit from research scientists at the Marshall Centre for Infectious Disease and their research-led teaching

You'll learn to

- understand a variety of infectious and non-infectious 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, dissemination and resolution of infectious diseases

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

Prerequisites:

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

Trending second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Genetics

uwa.edu.au/study/microbiology-and-immunology

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

Molecular Life Sciences (Extended Major)

Career opportunities

Animal Scientist, Biochemist, Geneticist, Microbial Scientist, Science Educator

This major will help you develop an understanding of the biochemistry, molecular biology and genetics of all living organisms. Emphasis is placed on developing and practicing the laboratory skills and technologies of cutting-edge molecular life sciences. Through both theoretical knowledge and practical experience, you'll gain tools that will allow you to meet global challenges.

Why study this course at UWA

- Learn about the most recent advances in the molecular life sciences, how they affect our everyday lives and how we can use this knowledge to solve global challenges
- You'll experience hands-on learning in 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 solid understanding of the theoretical basis of biochemistry, molecular biology and genetics in animals, plants, and microorganisms
- gain technical competency and practical skills in state-of-the-art molecular techniques

Bachelor's degree: Molecular Sciences or Philosophy (Honours)

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

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

Neuroscience

Career opportunities

Medical Technician, Neuroscientist, Research Scientist

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 afflict 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 at UWA

- You'll be taught by academics with established international reputations in neuroscience research
- Be involved in the rapidly developing neuroscience research and medical innovations that will improve the lives of people suffering from conditions like spinal cord injuries, muscular dystrophy and Parkinson's disease
- Neuroscience at UWA can be further pursued with a Neuroscience Honours degree, Neuroscience at Master's level and PhD

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

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

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

Trending second majors: Physiology , Anatomy and Human Biology and Psychological and Behavioural Sciences

Recommended subjects: Biology ATAR

uwa.edu.au/study/neuroscience

Pathology and Laboratory Medicine

Career opportunities

Clinical Trials Assistant, Laboratory Technician, Medical (Diagnostic) Scientist*, Research Scientist*, Science Teacher*

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. You'll be given the opportunity to interact with experienced academic staff and work with professional pathologists from PathWest.

Why study this course at UWA

- 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

- comprehend the process cell injury, inflammation, repair, and their role in human disease
- 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

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

Prerequisites:

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

Trending second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Microbiology and Immunology

uwa.edu.au/study/pathology-and-laboratory-medicine

*Postgraduate study required

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

Pharmaceutical Health
(Extended Major)*

Career opportunities
Pharmacist**

This major provides you with integrated knowledge of human structure and function and how this relates to medications in the body. In addition, you will be introduced to topic areas of pharmaceutical science and pharmacy practice that will provide you with solid foundational knowledge to thrive in your postgraduate pharmacy studies.

Why study this course at UWA
- Gain strong foundational knowledge in human and biomedical science disciplines, clinical knowledge, clinical skills and professional behaviour
- Understand the role of a pharmacist in healthcare, fostering communication skills and knowledge of evidence-based medicine
- Prepare you for further study in the Master of Pharmacy

You'll learn to
- understand human health in real-world contexts, incorporating essential scientific concepts with caring skills for management of health
- develop the human skills essential for healthcare professionals to communicate with patients and colleagues
- demonstrate skills and knowledge in drug formulation and pharmacy practice with an emphasis on quality patient-centred care

Bachelor's degree: Human Science and Master of Pharmacy

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 an additional chemistry unit taken in the first year

NOTE: This extended major is only available as part of the Combined Bachelor of Human Sciences (Pharmaceutical Health) and Master of Pharmacy

*Subject to final approval. See website for the most up-to-date course information.
**Postgraduate study required

Pharmacology

Career opportunities*
Medical Doctor, Pharmacist, Research Scientist

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 at UWA
- Think, act and communicate like a pharmacologist
- Appreciate how drugs produce changes in key bodily functions such as blood pressure, lung performance or pain perception
- 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
- gain transferable laboratory skills
- explore the major biochemical pathways that are activated when drugs interact with their respective receptors
- gain valuable insights into the pharmaceutical industry through biotech professionals

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

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

Trending second majors: Microbiology and Immunology; Pathology and Laboratory Medicine; Physiology

uwa.edu.au/study/pharmacology

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

Physiology

Career opportunities

Clinical Physiologist, Health and Safety Officer, Medical Technician

Learn how the human body works, from the molecular and cellular level to tissues and organs, and how these interact together with the environment. Physiology examines the mechanisms that control and regulate the function of the body and how they are influenced by ageing, disease, exercise and external factors such as climate change.

Why study this course at UWA

- UWA is ranked 1st in WA for Anatomy and Physiology (QS 2023)
- Learn from internationally recognised lecturers who are passionate about advancing physiological research
- Hands-on laboratory classes help develop essential practical skills for the physiological evaluation of human function using the latest technology from leading industry groups or organisations

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 systems including respiratory, cardiovascular, neuromuscular, digestive, renal systems and more
- design and conduct experiments to determine the mechanisms underpinning normal physiological function and how these are altered under environmentally stressful conditions

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

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

Trending second majors: Sport Science; Neuroscience; Genetics

Recommended subjects: Chemistry ATAR and Biology ATAR

uwa.edu.au/study/physiology

Podiatric Health and Medical Sciences
(Extended Major)*

Career opportunities**

Podiatrist

This major covers pre-clinical biomedical and podiatric health sciences as well as foundations of podiatric clinical skills.

Why study this course at UWA

- Gain fundamental knowledge in biomedical disciplines, clinical skills and professional behaviour
- Prepare for further study in the Doctor of Podiatric Medicine through an Assured Pathway
- Learn from experienced and expert teachers delivering an innovative and unique curriculum in state-of-the-art facilities

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 podiatric medicine conditions
- apply medical and podiatric history taking skills and physical lower limb assessment to undertake practical podiatric skills in a clinical environment

Bachelor's degree: Biomedicine (Specialised)

Prerequisites:

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

Recommended subjects: Mathematics Methods ATAR

uwa.edu.au/study/podiatric-health-and-medical-sciences

*The Podiatric Health and Medical Sciences extended major is only available to students who are offered an Assured Pathway to the Doctor of Podiatric Medicine.
**Postgraduate study required

Public Health

Career opportunities

Health Promotion Officer, Health Research Officer, Policy and Planning Manager

Public Health examines patterns of health and disease in society and the applications of medical and social research 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 at UWA

- Access rich student experiences, impactful and real-world graduate outcomes, voluntary work experience programs and field trips
- Be taught by a multi-disciplinary, 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

Bachelor's degree: Biomedical Science

Prerequisite:

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

Trending second majors: Anatomy and Human Biology, Economics, Law in Society

uwa.edu.au/study/public-health

Social Work (Extended Major)

Career opportunities

Case Worker, Community Development Practitioner, Correctional Services Counsellor, Disability and Rehabilitation, Domestic Violence Victim Services Officer, Hospital Social Worker, Mental Health Social Worker, Refugee and Asylum Seeker Advocate, Social Planner

This major develops your skills and knowledge to bring out positive change and socially just outcomes in the wellbeing of individuals, organisations and communities. Equipping you with the skills to advocate for and improve the lives of individuals, families and communities.

Why study this degree at UWA

- Social Work is in the top 25 high-growth industries in Australia (Australian Government, 2022, Employment Projections)
- You'll be taught by highly-qualified staff who are passionate about teaching and learning
- Social workers promote change at individual, community and policy levels and assist people to create positive outcomes

You'll learn to

- act in accordance with social work knowledge, values and ethics within a human rights framework
- apply knowledge of human behaviour and society, as well as the social, cultural, political, legal, economic and global contexts of practice to respond effectively within a human rights and social justice framework successfully complete two field education placements

Bachelor's degree: Social Work (Honours) or Philosophy (Honours)

uwa.edu.au/study/b/social-work

Sport Science, Exercise and Health (Extended Major)

Career opportunities

Exercise Scientist, Health Promotion Officer, Sports Coach

Through this major in Sports Science and Exercise Health you'll become skilled in applying your sound knowledge in sport and exercise science theory to the assessment of health indicators and the prescription of exercise for healthy individuals. Your options for graduate studies will also be expanded, leading to higher qualifications in specialist accredited courses.

Why study this course at UWA

- 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 when you graduate

You'll learn to

- apply knowledge and skills from sport and exercise science sub-disciplines to develop and deliver exercise-based interventions for fitness, health, wellbeing and performance
- appreciate and understand the different determinants (anatomical, physiological, biomechanical and psychological) of human physical performance
- develop professional skills, including communication, problem-solving and decision-making, through classroom and work integrated learning activities. You'll be required to undertake 140 hours of work-integrated learning in professional settings

Bachelor's degree: Sport and Exercise Sciences or Philosophy (Honours)

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

Sport Science

Career opportunities

Sport Entrepreneur, Sport/Performance Coach, Sport Scientist

This major will equip you, as a scientist, to further understand and analyse the human body, its movements and its functions. The course takes a comprehensive look at the human systems and how each contribute to overall performance. You'll gain theoretical and practical knowledge in performance assessment and the delivery of appropriate interventions that have applications in today's elite sport arenas, as well as the rehabilitation, fitness, health and recreation sectors.

Why study this course at UWA

- 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
- UWA is ranked 22nd in the world for Sports-related Subjects (QS 2023)

You'll learn to

- apply theoretical knowledge to ensure optimal 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

Bachelor's degree: Science or Philosophy (Honours)

Prerequisite:

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

Trending second majors: Anatomy and Human Biology; Physiology; Management; Marketing

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/sport-science

ASSURED PATHWAY

Doctor of Dental Medicine

Home to WA's only tertiary Dental School, UWA has trained future dentists for more than 75 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'll be able to register with the Dental Board of Australia and enter the profession immediately.

Visit our website for more information on the pathway to the Doctor of Dental Medicine, admission requirements and a competitive selection process will apply.

uwa.edu.au/study/d/medicine

ASSURED PATHWAY

Doctor of Medicine

UWA has taught medicine for more than 65 years and is ranked 35th in the world for Clinical Medicine and 1st in WA Human Biological Sciences (ARWU 2023). 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'll learn alongside the brightest students, leading clinicians and committed researchers.

Visit our website for more information on the pathway to the Doctor of Medicine, admission requirements and selection a competitive selection process will apply.

uwa.edu.au/study/d/dental-medicine

ASSURED PATHWAY

Doctor of Podiatric Medicine

The Doctor of Podiatric Medicine produces healthcare practitioners highly trained in the diagnosis and treatment of conditions affecting the foot and lower limb. Podiatrists can 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.

Undergraduate major: Podiatric Health and Medical Sciences Extended Major (Assured Pathway), or any major of student's choice. Students who complete the Podiatric Health and Medical Sciences major may be eligible for one year of credit towards the Doctor of Podiatric Medicine.

Prerequisites:

- Prerequisite subjects of your chosen major and interview*
- Completion of a bachelor's degree, with a Grade Point Average (GPA) of at least 5.0
- Fulfil Podiatric Medicine prerequisite units through major or elective units as part of your degree**

ATAR: 94 Competitive entry via ATAR and interview

* A competitive selection process will apply

**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.

uwa.edu.au/study/d/podiatric-medicine

Refer to the website for the full admission requirements.

ASSURED PATHWAY

Master of Public Health

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 (WAM) of at least 60 per cent

ATAR: 92, or 98 via BPhil (Hons)

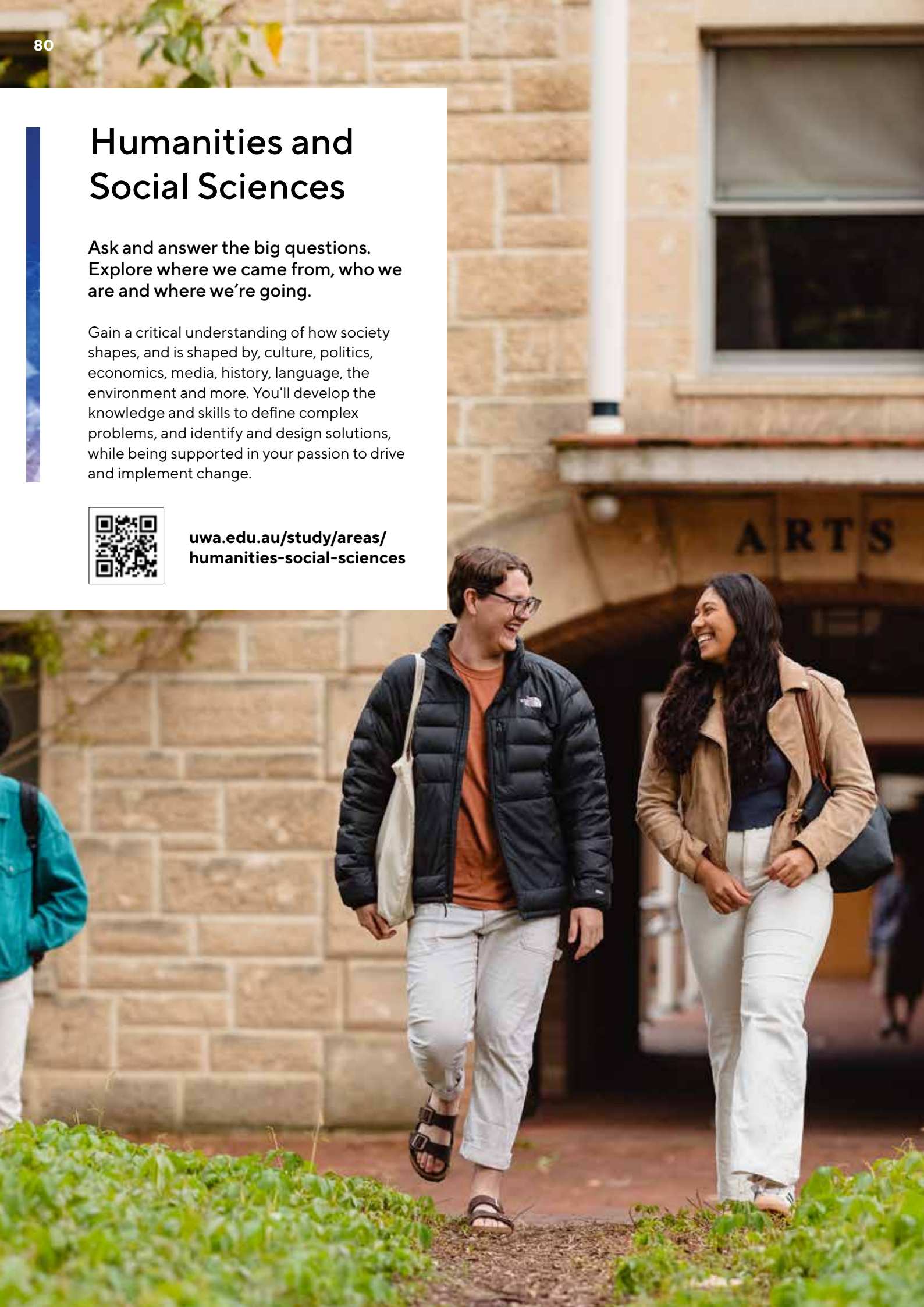
uwa.edu.au/study/m/public-health

Humanities and Social Sciences

Ask and answer the big questions. Explore where we came from, who we are and where we're going.

Gain a critical understanding of how society shapes, and is shaped by, culture, politics, economics, media, history, language, the environment and more. You'll develop the knowledge and skills to define complex problems, and identify and design solutions, while being supported in your passion to drive and implement change.

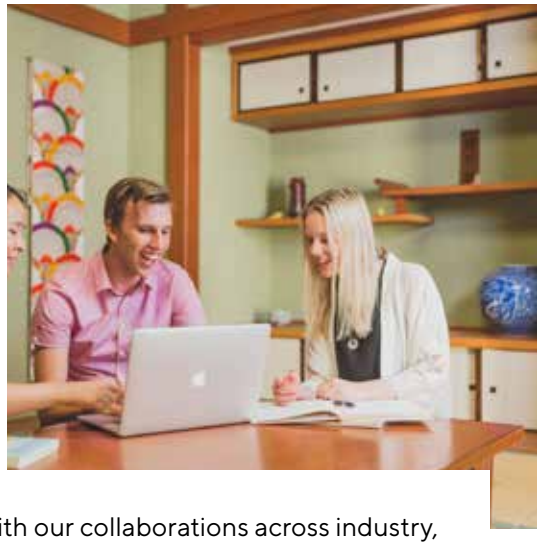
uwa.edu.au/study/areas/humanities-social-sciences



Top five reasons to study Humanities and Social Sciences at UWA

1. Be part of our **vibrant student community** by joining one of our many Humanities and Social Sciences student clubs including the Arts Union of UWA, Archaeological Society of UWA, UWA French Club, UWA Undergraduate Philosophy Society and more
2. Get **practical training through internships**, hands-on learning with industry and business partners, and overseas study opportunities
3. **81.4% for teaching quality and 80.8% for learning resources** satisfaction rate for undergraduate Humanities and Social Sciences (Good Universities Guide 2022)
4. **#1 in WA for Arts and Humanities**, Psychology, and Social Sciences and Management (QS WUR by Subject 2023)
5. **WA's largest language hub** with four European languages, four Asian languages and two Classical languages taught

Within the humanities, through the study of culture, language, literature, history and philosophy, you'll examine the human experience and gain a deep understanding of the connections that tie us all together.



With our collaborations across industry, government and community, you'll apply knowledge and expertise to respond to major societal opportunities, challenges and injustices, such as achieving sustainable development, addressing climate change, eliminating poverty, strengthening global communications and improving the mental health of communities.

In the social sciences, which bridges the social and environmental sciences, you'll use a scientific approach to define and understand the development and operations of contemporary and past societies and their influence on the world.

COMPREHENSIVE DEGREE

Bachelor of Arts

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Community Development Worker, Content Creator, Diplomat, Facilitator, Historian, Journalist, Musician, Parliamentarian, Producer, Teacher*, Translator*

Studying UWA's Bachelor of Arts lets you cultivate your passions while developing career-ready 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 this degree at UWA

- Our Bachelor of Arts is one of the most diverse degrees in WA
- You'll be taught by renowned scholars and researchers who are international leaders and experts in their fields as well as award-winning teachers
- You can get hands-on industry experience through our range of professional experience practicum units
- We're the largest language hub in the State
- Supplement your formal studies with UWA's range of opportunities including global exchange, service learning or global citizenship collaborations
- Enhance your interdisciplinary capabilities by taking electives, minors or additional majors in adjacent fields including STEM

You'll learn to

- develop communication skills to stand out in a global workforce and make a difference in the world
- critically evaluate complex information in order to make informed judgments
- use creative approaches to problem-solving
- engage ethically and responsibly with the world

Majors

- **Anthropology**
- **Applied Human Geography**
- **Archaeology**
- **Asian Studies**
- **Chinese Studies**
- **Classics and Ancient History**
- **Communication and Media Studies**
- Contemporary Popular Music
- **Criminology**
- **English and Literary Studies**
- Fine Arts
- **French Studies**
- **Gender Studies**
- **German Studies**
- **History**
- **History of Art**
- **Indigenous Knowledge, History and Heritage**
- **Indonesian Studies**
- **Italian Studies**
- **Japanese Studies**
- **Korean Studies**
- **Law and Society**
- **Linguistics**
- Music General Studies
- Music Studies
- Music and Society
- Music: Electronic Music and Sound Design
- **Philosophy**
- **Political Science and International Relations**
- **Psychological and Behavioural Sciences**
- **Science and Technology in Society**
- **Spanish Studies**
- **Work and Employment Relations**

uwa.edu.au/study/b/arts

*Postgraduate study required

Improve your career prospects and extend your knowledge through our Bachelor of Arts (Honours).

SPECIALISED DEGREE

Bachelor of Media and Communication*

Minimum ATAR 75 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career Opportunities

Creative Media Production, Journalism, Advertising, Strategic Communication, Public Relations, Social Media Management, Media Relations

This bachelor offers applied learning opportunities and skills if you're interested in directly working in media and communications industries. Developed with ideation, engagement, and impact in mind, the degree provides a structured and agile development pathway including many industry facing activities for those with a career minded focus in journalism, media production, strategic communication, and digital storytelling.

Why study this degree at UWA

- Learn from a dynamic group of academics with extensive expertise and experience in the field of media and communication
- Benefit from the comprehensive educational offerings of a world-class Group of Eight university
- Gain a state-of-the-art applied degree that gives you the core skills you need to succeed in media and communication
- Develop intellectual leadership and digital competencies to foster meaningful engagement and collaborations in the field

You'll learn to

- identify the evolving roles and applications of media and communication in Australia, Asia-Pacific and the world
- engage with media and communication technologies, processes and techniques through creative, critical, and reflective thinking and practice
- interpret, evaluate, and communicate complex ideas and issues across audiences, platforms, and professional contexts
- work independently and collaboratively to ideate, design, develop and evaluate media projects and endeavours

Majors

- **Media and Communication (Extended Major)**

*Subject to final approval. See website for the most up-to-date course information.

SPECIALISED DEGREE

Bachelor of Human Rights

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Diplomat, Journalist, Non-government organisations, Public Policy Analyst

Human rights have become the dominant language used to debate contentious social and political questions on a global scale. Activists appeal to human rights in defence of the oppressed. A complex set of global institutions has evolved, centred around human rights, while a flourishing field of academic inquiry is now devoted to debating human rights issues.

Our Bachelor of Human Rights is a unique, interdisciplinary program of study that equips you with the knowledge and skills necessary to engage with real-world issues in human rights, and related areas such as social justice. You'll examine these ideas from a variety of perspectives; legal, historical, political, practical, and philosophical. You'll also gain invaluable analytical skills essential for success in the workplace.

Why study this degree at UWA

- We are the only university in WA that provides you with the opportunity to undertake a full program of study in human rights
- You'll have the opportunity to study human rights, and associated ideas (e.g. social justice), from a wide variety of perspectives – legal, political, philosophical, practical, and historical. Your teachers will be leading experts in their respective fields
- Gain vital experience and establish connections through for internships and engagement with people working on human rights issues

You'll learn to

- understand the central issues in related to human rights and gain insight into real-world challenges from a wide range of disciplinary perspectives
- approach complex social and political problems from a range of perspectives
- develop crucial, transferable skills in critical thinking, writing, and analysis – skills in constant demand from employers
- apply human rights (and associated ideas) to address contentious social and political questions, and to understand rights-based issues concerning public policy and corporate practices

Major

- **Human Rights (Extended Major)**

uwa.edu.au/study/b/human-rights

SPECIALISED DEGREE

Bachelor of International Relations

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Chief Executive Officer, Journalist, Policy Analyst, Researcher

Our Bachelor of International Relations is a professional and practice-oriented program that provides the crucial conceptual knowledge and real-world experience required to tackle our most pressing global challenges. You'll develop a rigorous understanding of International Relations from a range of perspectives – political, legal, historical and sociological. In line with our expertise and Perth's geography, you'll receive unique training focusing on the Indo-Pacific region.

This comprehensive program includes the option of completing a language major as well as multiple opportunities to develop industry networks, including through in-country fieldwork.

Why study this degree at UWA

- You'll receive training focused on the Indo-Pacific region. This unique geographic focus on the Global South provides you with a holistic and contemporary touchstone for interpreting and responding to global complexities
- Engage directly with policymakers, practitioners and diplomats through the many seminars and workshops offered by UWA's numerous centres and institutes including the UWA Public Policy Institute and Defence and Security Institute
- We offer the broadest and most comprehensive suite of language offerings in WA, with multiple opportunities for language exchange

You'll learn to

- understand the key approaches to the study of International Relations, from a range of perspectives – political, sociological, historical and legal
- apply these approaches to some of our most pressing global challenges and seek potential solutions
- apply your knowledge through practical experiences, including in-country fieldwork, language exchange and industry seminars and lectures

Major

- **International Relations (Extended Major)**

uwa.edu.au/study/b/international-relations

SPECIALISED DEGREE

Bachelor of Modern Languages

Minimum ATAR 80 or equivalent
Intake months February
Completion 3 years full time or part-time equivalent

Career opportunities

Diplomat, Foreign Affairs and Trade Officer, Journalist, Linguist, Teacher*, Translator

This bachelor enables you to study two languages in depth. You'll achieve a high competency in the skills of reading, listening, speaking, and writing, while acquiring a range of transferable skills such as communication, teamwork, problem-solving and interpersonal skills.

Combining the Bachelor of Modern Languages with degrees like Engineering, Science, Arts, or Business provides you with a competitive advantage in the job market, both domestically and internationally.

Why study this degree at UWA

- Gain a competitive advantage in almost any field (both internationally and in Australia) through knowledge of a language other than English
- Have the opportunity to participate in an exchange program at leading universities
- 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

- understand how culturally specific social structures affect interpersonal communication
- demonstrate knowledge of the basic structures and patterns of words, sentences and conversations in your chosen language(s)
- demonstrate competence in a set of transferable skills, including digital literacy, information management, research skills, critical thinking, and oral and written communication

Majors

- **Chinese Studies**
- **French Studies**
- **German Studies**
- **Indonesian Studies**
- **Italian Studies**
- **Japanese Studies**
- **Korean Studies**
- **Spanish Studies**

uwa.edu.au/study/b/modern-languages

*Postgraduate study may be required

SPECIALISED DEGREE

Bachelor of Philosophy, Politics and Economics

Minimum ATAR 90 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Diplomat, Economic/Political Journalist, Policy Analysts

All important social issues — climate change, healthcare, inequality, political participation, criminal justice, and much more — have philosophical, political, and economic dimensions. UWA's Bachelor of Philosophy, Politics and Economics is a challenging and rigorous course of study that equips you with the skills to engage with these issues from a uniquely interdisciplinary perspective.

Why study this degree at UWA

- Learn from leading experts in all three disciplines
- You'll complete specially designed interdisciplinary units which will allow you to bring the tools of all three disciplines to address pressing social, political and economic questions

You'll learn to

- address problems that have political, philosophical, and economic dimensions (e.g. inequality, criminal justice, climate change), learning to think about complex social issues in an interdisciplinary manner
- explore how insights from each of the three disciplines bear upon issues in the others
- utilise invaluable critical-thinking and analytical skills, and apply them in a variety of contexts

Major

- **Philosophy, Politics and Economics (Extended Major)**

uwa.edu.au/study/b/ppe

Improve your career prospects and extend your knowledge through our Bachelor of Philosophy, Politics and Economics (Honours).

SPECIALISED DEGREE

Bachelor of Social and Environmental Sustainability

Minimum ATAR 75 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Environmental, Social and Governance Adviser, Sustainability Officer, Policy Consultant

Are you passionate about making a positive impact on society and the environment and creating a sustainable future?

The Bachelor of Social and Environmental Sustainability provides a unique blend of social sciences, humanities, environmental studies, and policy. You'll delve into the latest research and best practices in sustainability, hear from community and industry leaders and gain hands-on experience in tackling complex social and environmental challenges. Join us in creating a more equitable and sustainable future for all.

Why study this degree at UWA

- Learn from WA's leading social science and humanities teams
- Engage with UWA's extensive community and industry network to gain real-world experience
- Learn from world leading and world class researchers
- Take one of 10 sciences minors to extend your learning

You'll learn to

- integrate knowledge through drawing on the social sciences and sciences to understand sustainability
- apply the tools of the various disciplines you study to complex social and environmental sustainability problems
- utilise critical thinking, along with quantitative and qualitative analytical skills, to complex interdisciplinary issues
- develop skills to work and communicate with diverse stakeholders

Major

- **Social and Environmental Sustainability (Extended Major)**

uwa.edu.au/study/b/ses

SPECIALISED DEGREE

Bachelor of Social Work (Honours)

Minimum ATAR 75 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Case Worker, Community Development Practitioner, Domestic Violence Victim Services Officer, Hospital Social Worker, Mental Health Social Worker, Refugee and Asylum Seeker Advocate

The Bachelor of Social Work (Honours) develops your skills and knowledge to bring out positive change and socially just outcomes in the wellbeing of individuals, organisations and communities. Equipping you with the skills to advocate for and improve the lives of individuals, families and communities.

Why study this degree at UWA

- Social Work is in the top 25 high-growth industries in Australia (Australian Government, 2022, Employment Projections)
- You'll be taught by highly qualified, award winning staff who are passionate about teaching and learning
- It offers flexible learning options to suit you – choose to study on-campus or online, and if you are located in regional WA, we have study hubs to support you.

You'll learn to

- Complete 1,000 hours of practical placements in various industries. Our immersive placements are designed to equip you with the essential skills and hands-on knowledge required to establish effective working relationships and enhance your professional expertise in the field of social work
- act in accordance with social work knowledge, values and ethics within a human rights framework
- apply appropriate knowledge and select relevant theories and methods to address complex and sensitive social issues and individual problems to achieve socially just outcomes
- effectively use a range of communication and interpersonal skills in diverse settings with diverse groups and individuals

Major

- **Social Work (Extended Major)**

uwa.edu.au/study/b/social-work

COMBINED BACHELOR'S DEGREES

Bachelor of Agricultural Science and Bachelor of Arts

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agricultural-science-and-arts

Bachelor of Engineering (Honours) and Bachelor of Arts

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5.5 years full time or part-time equivalent

uwa.edu.au/study/bb/engineering-and-arts

Bachelor of Engineering (Honours) and Bachelor of Modern Languages

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 5.25 - 5.5 years full time or part-time equivalent

uwa.edu.au/study/bb/engineering-and-modern-languages

Bachelor of Environmental Science and Bachelor of Arts

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/environmental-science-and-arts

Bachelor of Human Rights and Bachelor of Arts

Minimum ATAR 87 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/human-rights-and-arts

Bachelor of Human Rights and Bachelor of Commerce

Minimum ATAR 87 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/human-rights-and-commerce

Bachelor of Modern Languages and Bachelor of Arts

Minimum ATAR 82 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/modern-languages-and-arts

Bachelor of Modern Languages and Bachelor of Biomedical Science

Minimum ATAR 82 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/modern-languages-biomedical-science

Bachelor of Modern Languages and Bachelor of Business

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/modern-languages-and-business

Bachelor of Modern Languages and Bachelor of Science

Minimum ATAR 82 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/modern-languages-and-science

Bachelor of Philosophy (Honours) and Bachelor of Modern Languages

Minimum ATAR 98 or equivalent
Intake months February
Completion 5 years full time or part-time equivalent
uwa.edu.au/study/bb/philosophy-and-modern-languages

Bachelor of Philosophy, Politics and Economics and Bachelor of Arts

Minimum ATAR 92 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/philosophy-politics-economics-and-arts

Bachelor of Philosophy, Politics and Economics and Bachelor of Commerce

Minimum ATAR 92 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/philosophy-politics-economics-and-commerce

Bachelor of Psychology and Bachelor of Arts

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent
uwa.edu.au/study/bb/psychology-and-arts

MAJORS IN HUMANITIES AND SOCIAL SCIENCES

Aboriginal Health and Wellbeing

Career opportunities

Health and Welfare Services Manager, Health Policy Adviser, Health Promotion Officer, Social Worker*

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 at UWA

- 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 initiatives
- demonstrate strong knowledge of human biology, assisting in evaluating the biological evidence about disease mechanisms
- show 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

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

Prerequisite:

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

Trending second majors: Indigenous Knowledge, History and Heritage; Humanities in Health and Medicine; Public Health

uwa.edu.au/study/aboriginal-health-and-wellbeing

*Postgraduate study required

Anthropology

Career opportunities

Anthropologist, Community Development Officer, Curator, Social Researcher

Anthropology seeks to understand cultural differences and similarities and we welcome students to explore the world around us. A major in anthropology introduces students to the cultural dynamics that surround us. It examines behaviour, relationships and meaning within and between different societies and cultures. The major incorporates the study of key anthropological theories and the history of the discipline.

Why study this course at UWA

- Anthropology has a 50 year history at UWA
- UWA is home to the Berndt Museum whose collections include an array of objects of international, anthropological significance
- There's a demand for Anthropologists in Australia and globally, especially in the fields of heritage, land rights, social and community development, food security and environmental protection

You'll learn to

- understand anthropological perspectives on land rights, social politics, migration, material culture practices, ecology and the environment through an anticolonial lens that upholds Indigenous Peoples' rights to self-determination
- critically review, analyse, summarise and synthesise anthropological research and theory using case studies from Australia and worldwide
- formulate, investigate and discuss anthropologically informed research questions and develop arguments based on a critical evaluation of written evidence and material culture
- communicate anthropological ideas, principles and knowledge to specialist and nonspecialist audiences using a range of formats (written, oral and visual)

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Applied Human Geography; Archaeology; Political Science and International Relations

uwa.edu.au/study/anthropology

Applied Human Geography

Career opportunities

Community Development Officer, Geographic Information System Officer, Socio-demographic Analyst

You'll gain a comprehensive understanding of the processes shaping human activity in cities and regions and deploy critical, technical, and communicative tools to address major human and environmental policy challenges. A focus on intersecting economic, social, political demographic and environmental processes shaping places, along with the development of skills in spatial and socio-economic data collection analysis and interpretation, provides a diverse range of career opportunities for graduates.

Why study this course at UWA

- Learn from award-winning teachers and researchers
- Graduate with in-demand technical skills in the use of Geographic Information System (GIS) and socio-spatial, economic, and demographic data analytics. No other geography program in WA offers this kind of in-demand and comprehensive skills training
- Opportunities for exciting internships and experience in parliamentary research

You'll learn to

- identify the complex interplay of economic, demographic, environmental, social and political processes that influence the spatial organisation of human activities
- deploy core geographical concepts, including spatial and temporal thinking, to creatively address real-world challenges and tasks: from rising inequality, to climate change, to population planning
- apply geographic methods and analytical tools to interpret urban and regional phenomena
- communicate geographic knowledge to specialist and non-specialist audiences
- adopt ethical, self-aware and efficient approaches to autonomous and collaborative work

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Economics; Political Science and International Relations; Public Health

uwa.edu.au/study/applied-human-geography

Archaeology

Career opportunities

Consultant Archaeologist, Heritage Officer, Native Title Worker

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, geoarchaeology, heritage, historical and maritime archaeology, 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 at UWA

- Work with industry, government, Indigenous groups and the broader community to better understand the past and create sustainable heritage futures
- Gain a comprehensive range of transferable skills that give you a competitive advantage in the job market
- 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, including specialist training in environmental archaeological sciences not widely offered in Australia

You'll learn to

- demonstrate essential cognitive and social skills such as critical thinking, problem solving, ethical conduct and working in groups
- display essential workplace skills such as OHS practices, understanding legislation and ethics, and working with diverse stakeholders
- display discipline specific skills for archaeological fieldwork and lab-work
- build a professional network with leading experts in Archaeology and Heritage

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Anthropology; Botany; Indigenous Knowledge, History and Heritage

uwa.edu.au/study/archaeology

Asian Studies

Career opportunities

Diplomat, Foreign Correspondent, International Lawyer

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, Japan and Korea. 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 the social, cultural, political and economic structures of contemporary Asia and the social, cultural, political and economic forces which are shaping modern societies in this dynamic region.

Why study this course at UWA

- Asian Studies offers the most comprehensive menu of Asia focused units
- In-country study opportunities in China, Japan, Korea and Indonesia provide life-changing experiences and make you stand out from the crowd
- Learn from lecturers who 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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Business Law; Japanese Studies; Political Science and International Relations

uwa.edu.au/study/asian-studies

Classics and Ancient History

Career opportunities

Journalist, Public Sector Officer, Teacher*, Writer

Classics and Ancient History is the study of history, languages and literature of the Greek and Roman civilisations. This major combines all these aspects of the two civilisations to give you a holistic picture of this vibrant and eternally relevant era. We are the only university in WA where you can study this major.

Why study this course at UWA

- You'll gain an in-depth understanding of the history and cultures of Greece and Rome, challenging and enhancing your understanding of the modern world
- By studying Ancient Greek and Latin, you'll gain access to the languages which provide excellent linguistic grounding for modern European languages (including English), as well as the tools to read and translate ancient Greek and Latin texts
- 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
- acquire foundational skills in at least one classical language

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Archaeology; English and Literary Studies; Philosophy

uwa.edu.au/study/classics-and-ancient-history

*Postgraduate study required

Latin and Ancient Greek language offerings are available in our Classics and Ancient History major.

Communication and Media Studies

Career opportunities

Advertising Strategist, Communication Manager, Copywriter, Journalist, Media Advisor, Video and Content Producer

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 facilitates your practical communication and digital-media skills, alongside essential theoretical knowledge, to provide you with a platform to become an effective and powerful communicator.

Why study this course at UWA

- Gain sought-after skills in creativity, problem solving, teamwork and project management
- Learn to effectively use digital and multimedia tools
- Become a versatile and creative 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 and approaches
- 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

Bachelor's degree: Arts or Philosophy (Honours)

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

uwa.edu.au/study/communication-and-media-studies

Criminology

Career opportunities

Community Development Worker, Corrective Services Officer, Police Officer, Policy Adviser, Prevention Officer, Youth Worker

Criminology enables you to study crime and criminal justice while drawing on perspectives from a range of disciplines including law, psychology, and history. In this major, you'll learn to apply criminological theory in addressing contemporary challenges related to crime, victimisation, crime prevention and the criminal justice system.

Why study this course at UWA

- Learn from leading academics with strong expertise and who are active researchers in the field
- Benefit from the UWA Law School's strong industry connections
- This major complements many other majors offered at UWA

You'll learn to

- understand the breadth of issues in contemporary criminology and the criminal justice system
- analyse and critique approaches to crime
- develop a job-ready skill set of critical and creative thinking, teamwork and problem-solving

Bachelor's degree: Arts or Philosophy (Honours)
Trending second majors: Business Law; Computer Science; History; Law and Society

uwa.edu.au/study/criminology

English and Literary Studies

Career opportunities

Educator, Publisher, Writer

In English and Literary Studies, we take the imagination seriously. We address the creative texts societies produce and ask what, and how, 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 to shape how we come to know the world and our place in it.

Why study this course at UWA

- We have a proud history of developing world-class, award-winning authors
- You'll have the opportunity for work placements with the internationally renowned journal, Westerly, which has been edited since 1956 and is one the oldest literary publications in Australia
- 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

Bachelor's degree: Arts or Philosophy (Honours)
Trending second majors: Communication and Media Studies; Law and Society; Philosophy

uwa.edu.au/study/english-and-literary-studies

Gender Studies

Career opportunities

Content Creator, Human Service Provider, Policy Maker

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 political representation, sexual and family violence, transgender rights, or radicalisation. Gender Studies equips you with the analytical, communication, and advocacy skills to negotiate these issues in any workplace as well as your private life.

Why study this course at UWA

- You'll develop career-ready skills in interdisciplinary collaboration and complex problem solving
- Learn to recognise and address systemic inequality or the use of power as domination
- Improve awareness of self and others, and your capacity to negotiate difference

You'll learn to

- demonstrate a comprehensive knowledge of gender and its theorisation
- explore the continuing relevance of linking gender theory to practice, including through work integrated learning opportunities
- develop unique understanding and skills in social-systems thinking

Bachelor's degree: Arts or Philosophy (Honours)

Trending major combinations: Communication and Media Studies; Indigenous Knowledge, History and Heritage, Public Health

uwa.edu.au/study/courses/gender-studies

History

Career opportunities

Archivist, Conservation Officer, Teacher*

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 at UWA

- 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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Criminology; English and Literary Studies; Law and Society; Political Science and International Relations

uwa.edu.au/study/history

*Postgraduate study required

History of Art

Career opportunities

Art Historian, Curator, Gallery Director, Museum Administrator

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 history 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 at UWA

- 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
- Learn from 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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: English and Literary Studies; Fine Arts; History

uwa.edu.au/study/history-of-art

Humanities in Health and Medicine

Career opportunities

Community Health Practitioner, Health Educator, Health Researcher, Healthcare Administrator

This major 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 the management and promotion of health and the treatment of illness.

Why study this course at UWA

- 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

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

Prerequisite:

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

Trending second majors: Physiology; Psychological and Behavioural Sciences

uwa.edu.au/study/health-humanities

Human Rights (Extended Major)

Career opportunities

Diplomat, Journalist, Non-government organisations, Public Policy Analyst

Human rights have become the dominant language in which contentious social and political questions are debated, worldwide. This major will equip you with the knowledge and skills necessary to engage with real-world issues in human rights, and related areas such as social justice.

Why study this course at UWA

- We are the only university in WA that provides you with the opportunity to undertake a full program of undergraduate study in human rights
- Study human rights, and associated ideas (e.g. social justice), from a wide variety of perspectives – legal, political, philosophical, practical, and historical
- Your teachers are leading experts in their respective fields
- Gain vital experience and connections with opportunities for internships and contact with people working on human rights issues

You'll learn to

- understand the central issues in the study of human rights and learn about real-world human rights challenges from a wide range of disciplinary perspectives
- approach complex social and political problems from a range of perspectives
- gain vital, transferable skills in critical thinking, writing, and analysis – skills in constant demand from employers
- learn how to apply human rights (and associated ideas) to contentious social and political questions, and to understand rights-based issues with respect to matters of public policy, and corporate practices

Bachelor's degree: Human Rights or Philosophy (Honours)

uwa.edu.au/study/human-rights

Indigenous Knowledge, History and Heritage

Career opportunities

Curator, Environmental Consultant, Parliamentarian

Explore the world view and historical experiences of Indigenous Peoples in Australia as well as critically analyse Western disciplinary constructs around Indigenous knowledges and Peoples. Taught in an interactive manner, you'll engage with Indigenous Peoples, Elders in the community and guest speakers.

Why study this course at UWA

- 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 WA)
- 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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Fine Arts; Landscape Architecture; Law and Society

uwa.edu.au/study/indigenous-knowledge

International Relations
(Extended Major)

Career opportunities

Chief Executive Officer, Journalist, Policy Analyst, Researcher

This major provides the crucial conceptual knowledge and real-world experience required to tackle our most pressing global challenges. You'll develop a rigorous understanding of International Relations from a range of perspectives — political, legal, historical and sociological.

Why study this course at UWA

- Receive training focused on the Indo-Pacific region which provides you with a holistic and contemporary touchstone for interpreting and responding to global complexities
- Multiple opportunities to develop practical skills and industry networks
- We offer the broadest and most comprehensive suite of language offerings in WA, with multiple opportunities for language exchange

You'll learn to

- understand the key approaches to the study of International Relations from a range of perspectives
- apply these approaches to some of our most pressing global challenges and seek potential solutions
- gain crucial transferable skills in critical thinking, writing, analysis, and professional conduct
- apply your knowledge through practical experiences, including in-country fieldwork, language exchange, industry seminars and lectures

Bachelor's degree: International Relations or Philosophy (Honours)

uwa.edu.au/study/international-relations

Law and Society

Career opportunities

Community Development Worker, Human Resources Professional, Lobbyist, Policy Adviser, Teacher*, Youth Worker

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 law 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, analytical thinking, problem-solving, teamwork and communication.

Why study this course at UWA

- We offer a fascinating range of core and option units as an excellent foundation of law
- Develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- Improve your analytical, problem-solving 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

Bachelor's degree: Arts or Philosophy (Honours)

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

uwa.edu.au/study/law-and-society

*Postgraduate study required

Linguistics

Career opportunities

Language Technologist, Forensic Linguist, Speech Therapist, Language Translator

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 language description, language and cognition, language variation, change and history, sociolinguistics, or the study of Australian Aboriginal languages.

Why study this course at UWA

- We provide a robust educational foundation that equips you with the core skills an employer looks for
- Linguistics is the study of language, and language is key to most human interactions. As such, studying linguistics opens many doors
- We have formal internship agreements with a number of organisations that employ staff in Linguist roles
- UWA is the only university in WA to offer a standalone Linguistics major

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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Anthropology; Communication and Media Studies; Computer Science

uwa.edu.au/study/linguistics

Media and Communication
(Extended Major)*

Career opportunities

Creative Media Production, Journalism, Advertising, Social Media Management

Designed with a focus on creativity, engagement, and real-world impact, this major offers applied learning opportunities for those interested in working within the media and communication industries.

Why study this course at UWA:

- Learn from a dynamic group of academics with extensive expertise and experience in the field of media and communication
- Gain a state-of-the-art applied degree that gives you the core skills you need to succeed in media and communication
- Develop intellectual leadership and digital competencies to foster meaningful engagement and collaboration in the field

You'll learn to

- identify the evolving roles and applications of media and communication in Australia, Asia-Pacific and the world
- engage with media and communication technologies, processes and techniques through creative, critical, and reflective thinking and practice
- interpret, evaluate, and communicate complex ideas and issues across audiences, platforms, and professional contexts
- work independently and collaboratively to ideate, design, develop and evaluate media projects and endeavours

Bachelor's degree: Media and Communication

*Subject to final approval. See website for the most up-to-date course information.

Philosophy

Career opportunities

Journalist, Lawyer, Policy and Planning Manager

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 and different traditions, right down to cutting-edge contemporary work on pressing ethical issues, the nature of mind, and artificial intelligence.

Why study this course at UWA

- 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
- We are the only university in WA 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 therefore 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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: English and Literary Studies; Law and Society; Political Science and International Relations

uwa.edu.au/study/philosophy

Philosophy, Politics and Economics (Extended Major)

Career opportunities

Diplomat, Economic/Political Journalist, Policy Analysts

All important social issues — climate change, healthcare, inequality, political participation, criminal justice, and much more — have philosophical, political, and economic dimensions. This major will provide thorough grounding in each of the three disciplines, examining the ways in which insights from each area of study can inform knowledge in the others.

Why study this course at UWA

- We are the only university in WA to offer a Bachelor of Philosophy, Politics, and Economics
- Study all three disciplines with leading experts in their respective fields
- Complete specially designed interdisciplinary units which will allow you to bring the tools of all three disciplines to address pressing social, political and economic questions

You'll learn to

- address problems that have political, philosophical, and economic dimensions (e.g. inequality, criminal justice, climate change), learning to think about complex social issues in an interdisciplinary manner
- explore 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 applied in a wide variety of contexts

Bachelor's degree: Philosophy, Politics and Economics or Philosophy (Honours)

uwa.edu.au/study/philosophy-politics-and-economics

Political Science and International Relations

Career opportunities

Journalist, Parliamentarian, Policy Officer

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 at UWA

- 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 internships 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 advanced knowledge about the nature of politics and the functions of diverse political ideas, theories, actors, institutions and systems
- critically explain and evaluate key political and policy dynamics at local, national, transnational, regional and international levels
- creatively apply critical-thinking and problem-solving skills to independently and collaboratively address challenges, crises and change in the political world
- apply basic political science and international relations methods and skills to design and execute social research
- effectively communicate political knowledge, ideas, analyses and arguments in different formats

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Anthropology; Applied Human Geography; Law and Society

uwa.edu.au/study/political-science-and-international-relations

Psychological and Behavioural Sciences

Career opportunities

Child Protection Agent, Counsellor, Psychologist*

This major provides a core understanding of the scientific discipline of psychology. You'll develop an understanding of the cognitive and neural processes underlying behaviour, research methods in psychology, the measurement of psychological behaviour and abilities, the development of knowledge and abilities across the lifespan, and the processes that govern the relationships between people and groups in a multicultural society.

Why study this course at UWA

- Learn from experts who operate at the cutting edge of the discipline. We don't just teach the textbooks, we conduct the work in the textbooks
- Our clinical programs are recognised as among the very best in the country, and we have extensive networks with clinical service providers
- This major is accredited in the Bachelor of Science and Bachelor of Arts by the Australian Psychology Accreditation Council (APAC)

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

Bachelor's degree: Arts, Science or Philosophy (Honours)

Trending second majors: Criminology; Law and Society; Neuroscience; Marketing; Aboriginal Health and Wellbeing

uwa.edu.au/study/psychological-and-behavioural-sciences

*Postgraduate study and/or further training is required to register as a Psychologist in Australia.

Science and Technology in Society

Career opportunities

Information Officer (science organisation), Science Communications Officer, Science Policy Advisor

Understanding the social context of science and technology is important for scientific literacy. This interdisciplinary major integrates skills and knowledge relevant to both science and humanities education. You'll critically study past and present applications of science and technology in shaping human society, especially across the biological and biomedical sciences, and the social contexts in which those applications have developed.

Why study this course at UWA

- Only university in WA to offer Science and Technology Studies as a major
- Learn from leading researchers in both the sciences and the humanities
- Gain critical thinking skills and scientific and technological knowledge that government and industry employers are seeking

You'll learn to

- analyse how scientific knowledge is made and be able to interpret scientific information
- interpret the historical and social contexts in which scientific knowledge and technology are created, debated, critiqued, and applied
- apply key theories and concepts within the fields of history and philosophy of science and within science and technology studies
- evaluate problems arising for the development and application of scientific knowledge and technology
- demonstrate a capacity for self-reflection and an understanding of philosophical and ethical issues in science and technology

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Archaeology; Chemistry; Data Science

uwa.edu.au/study/science-and-technology-in-society

Social and Environmental Sustainability (Extended Major)

Career opportunities

Environmental, Social and Governance Adviser, Sustainability Officer, Policy Consultant

This major provides a unique blend of social sciences, humanities, environmental studies, and policy. You'll delve into the latest research and best practices in sustainability, hear from community and industry leaders and gain hands-on experience in tackling complex social and environmental challenges. Join us in creating a more equitable and sustainable future for all.

Why study this degree at UWA

- Learn from WA's leading social science and humanities teams
- Engage with our extensive community and industry network to gain real-world experience
- Learn from world leading and world class researchers
- Take one of 10 sciences minors to extend your learning

You'll learn to

- integrate knowledge through drawing on the social sciences and sciences to understand sustainability
- apply the tools of the various disciplines you study to complex social and environmental sustainability problems
- utilise critical thinking, along with quantitative and qualitative analytical skills, to complex interdisciplinary issues
- develop skills to work and communicate with diverse stakeholders

Bachelor's degree: Social and Environmental Sustainability or Philosophy (Honours)

uwa.edu.au/study/courses/bachelor-of-social-and-environmental-sustainability

Work and Employment Relations

Career opportunities

Human Resource Professional, Management Consultant, Workplace Relations Adviser

This multi-disciplinary major 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 at UWA

- Explore the relationship between work and society
- Study in a multi-disciplined learning environment
- Apply theory to real-life problems
- Interact with a diverse range of academics and industry professionals

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

Bachelor's degree: Arts or Philosophy (Honours)

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

uwa.edu.au/study/work-and-employment-relations

MAJORS IN LANGUAGE

Chinese Studies

Career opportunities

Cultural Interpreter, Financial Dealer, Foreign Affairs and Trade Officer

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 near-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 at UWA

- 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 our student exchange program

You'll learn to

- demonstrate a strong written and spoken proficiency in the Chinese language
- understand how culturally specific social structures affect interpersonal communication, applying 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 and professionally 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: Asian Studies; Finance; Political Science and International Relations

uwa.edu.au/study/chinese-studies

French Studies

Career opportunities

Arts Administrator, Language Teacher*, Translator

Studying French is more than simply learning a language, it's an experience that will open your mind to a new culture and widen your employment prospects. Study French and francophone literature, film, politics and society, and broaden your cultural competency.

Why study this course at UWA

- Be fluent in speaking, reading and writing French
- 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 open up exciting new travel opportunities
- Participate in exchange programs at leading universities in France and French Polynesia
- Gain work experience and professional skills by taking part in a work integrated learning placement scheme, teaching French in local high schools

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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: English and Literary Studies; History; Law and Society; Linguistics; Political Science and International Relations

uwa.edu.au/study/french-studies

*Postgraduate study required

German Studies

Career opportunities

Journalist, Teacher*, Translator

This major caters for students at all levels, from absolute beginners through to intermediate and advanced 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 at UWA

- 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
- apply communication, problem-solving, teamwork and interpersonal skills

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second major: Political Science and International Relations

uwa.edu.au/study/german-studies

*Postgraduate study required

Latin and Ancient Greek language offerings are available in our Classics and Ancient History major.

Indonesian Studies

Career opportunities

Cultural Interpreter, Foreign Affairs and Trade Officer, Intelligence Analyst

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 at UWA

- Graduate with a portfolio of skills and attributes that are highly 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 strong written and spoken proficiency in the Indonesian language
- understand how culturally specific social structures affect interpersonal communication, applying this knowledge to your own interactions in a culturally sensitive manner
- engage effectively and professionally in the key debates on Indonesian history, society and culture and produce coherent and well-argued written work
- demonstrate competence in a set of transferable skills, including 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: Anthropology; Asian Studies; Political Science and International Relations

uwa.edu.au/study/indonesian-studies

Italian Studies

Career opportunities

Cultural Interpreter, Journalist, Teacher*

This major will allow you to communicate effectively in Italian, across 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 a major following school study or as a near-native speaker.

Why study this course at UWA

- 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: French Studies; Linguistics; Political Science and International Relations

uwa.edu.au/study/italian-studies

*Postgraduate study required

Japanese Studies

Career opportunities

Foreign Affairs and Trade Officer, Journalist, Teacher*, Translator

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 at UWA

- Study with experts in Japanese studies and language education
- Attend conversation practice and functions in our traditional Japanese tatami room
- Join the Japanese Students' Association for language practice, cultural exchange and networking
- Undertake a placement as a language assistant in a primary or secondary school with the Languages Teaching Practicum

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 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: Asian Studies; Finance; Political Science and International Relations

uwa.edu.au/study/japanese-studies

*Postgraduate study required

Korean Studies

Career opportunities

Cultural Interpreter, Diplomat, Teacher*

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 at UWA

- 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, making graduates with strong Korean linguistic and socio-cultural skills 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 strong written and spoken proficiency 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 and professionally 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: Applied Human Geography, Communication and Media Studies, Political Science and International Relations

uwa.edu.au/study/korean-studies

*Postgraduate study required

Spanish Studies

Career opportunities

Cultural Interpreter, Diplomat, Teacher*

Spanish is the second most-spoken native language in the world, and we are 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 at UWA

- 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 of Reference 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

Bachelor's degree: Arts, Modern Languages or Philosophy (Honours)

Trending second majors: Finance, Linguistics, Political Science and International Relations

uwa.edu.au/study/courses/spanish-studies

*Postgraduate study required

ASSURED PATHWAY

Master of Translation Studies

Gain world-class, professionally endorsed translation training at the largest language hub in WA. Learn how to translate between English and one of the following languages: Arabic, Chinese, French, German, Indonesian, Italian, Japanese, Korean, Portuguese and Spanish.

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
- Chamber of Commerce and Industry WA (CCIWA)
- 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's, and with no other prerequisites demanded by the accreditation body.

Prerequisites:

- Demonstrated native or near-native proficiency in your chosen language specialisation
- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA Weighted Average Mark (WAM) of 65 per cent in the Level 3 units of a relevant major

ATAR: 90, or 98 via BPhil (Hons)

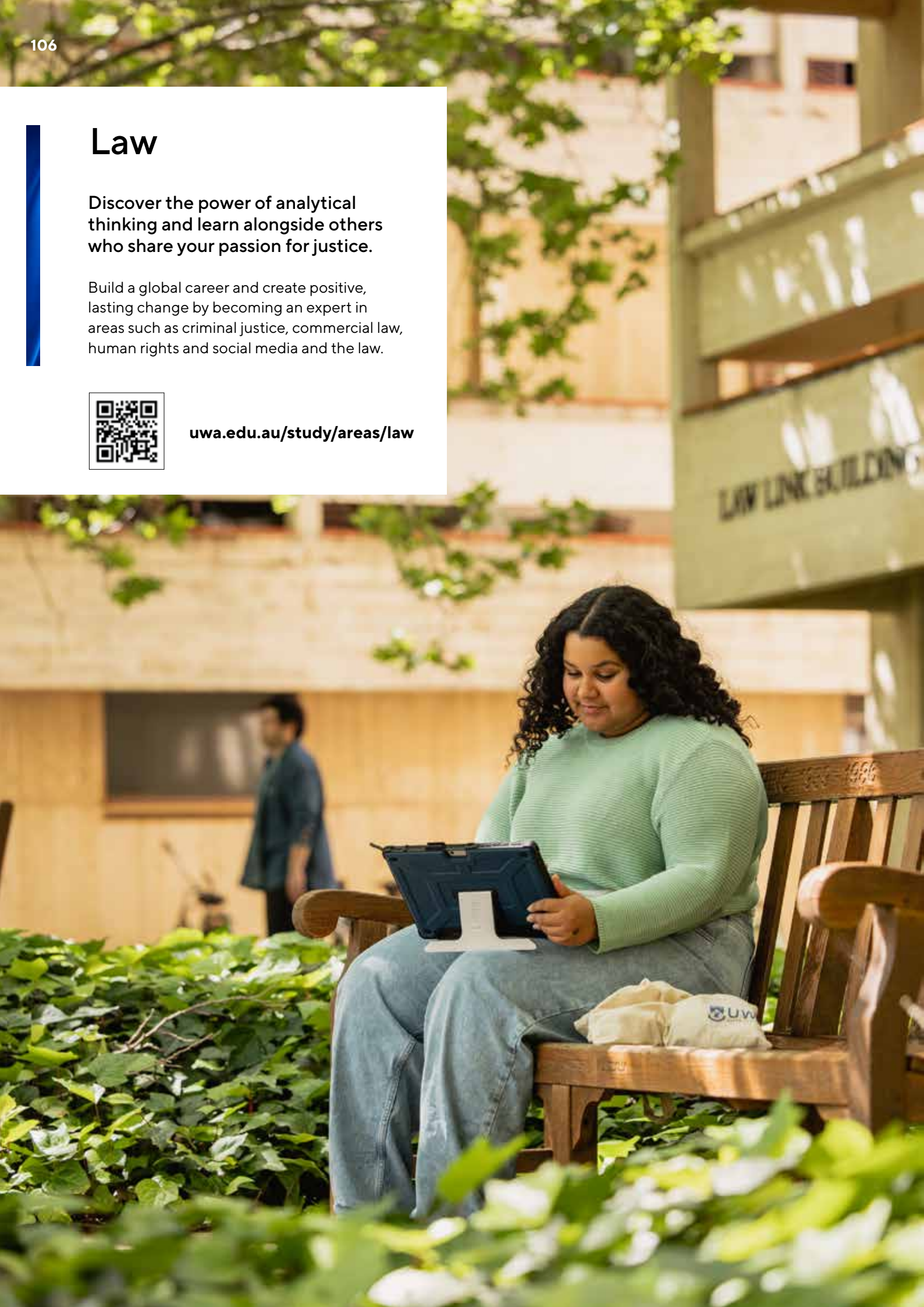
uwa.edu.au/study/m/translation-studies

Law

Discover the power of analytical thinking and learn alongside others who share your passion for justice.

Build a global career and create positive, lasting change by becoming an expert in areas such as criminal justice, commercial law, human rights and social media and the law.

uwa.edu.au/study/areas/law



Top five reasons to study Law or Criminology at UWA

1. With over **90 years of experience leading Law education in WA**, UWA ranks in the world's top 150 universities for Law and Legal Studies (QS 2023)

2. **Learn from leading experts.** Our criminology experts excel in areas of youth justice, policing, prevention, corrections, Indigenous peoples and the criminal justice system, and transnational crime

3. **Be part of an award-winning student society**. The Blackstone Society runs a wide range of events across social, careers, education, equity, wellness, competitions, and pre-law portfolios, and advocates for law students at the university, state, and national levels

4. UWA Law School's staff and **dedicated Wellness Adviser** will ensure you feel welcome, supported, and connected when discovering your place in law at UWA

5. **Continuing postgraduate pathways.** Upon completing your undergraduate degree, you can explore a variety of postgrad options, including our Juris Doctor. You'll have the opportunity to participate in structured internships with local, regional, or global not-for-profit, community, or government organisations

Law impacts on every aspect of society and criminology plays a pivotal role in understanding crime and its impact on individuals and communities. Studying in one of these areas will provide you with the opportunity to deliver real change in Australia and around the world.

Our Law School provides a high-quality, world-class education in law and criminology equipping you with the knowledge and skills necessary for a successful career. Our pathways, programs and teaching excellence ensure we educate remarkable graduates and global citizens.

Graduates from our undergraduate courses can go on to work in law reform and justice agencies, the civil and criminal justice systems, government, education and academia, and law-relevant fields like management and human resources, media and communications, industrial relations, human rights, social services and legal support.

We have a long and proud history of international excellence. We're also a closely-knit, creative and progressive Law School, fostering critical thought, ethical scholarship and practice, a deep connection to our Indigenous past and present, and supportive student culture based upon wellbeing and inclusion.

SPECIALISED DEGREE

Bachelor of Criminology and Criminal Justice

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Community Development Worker, Corrective Services Officer, Local Government Community Safety Worker, Police Officer, Policy Adviser, Youth Worker

Learn about the role criminology plays in understanding crime and how we deal with it, as well as the impact of criminal justice interventions on offenders, victims, and society more broadly.

A bachelor's degree in Criminology and Criminal Justice draws upon knowledge and perspectives from disciplines including criminology, law, psychology, history, anthropology, geography, and forensic science. Through this, you'll be exposed to the breadth of contemporary criminology and criminal justice issues.

With core criminology content, you'll learn about contemporary explanations for crime and criminality, the current structure of the criminal justice system, transnational and international crime, best practice approaches to working with offenders, national and international factors impacting on criminal justice policy-making, and approaches to prevent contemporary crime and justice challenges in Australia.

Why study this degree at UWA

- Get a taste of working in the field as you complete 100 hours of Work Integrated Learning (WIL) with a placement in an organisation advocating for penal reform, such as the Office of the Inspector of Custodial Services, the WA Justice Association (WAJA), Social Reinvestment WA, and the Justice Reform Initiative
- You'll learn from leading scholars who are experts in their field of criminology, and active researchers in the fields of youth justice, policing, prevention, corrections, Indigenous peoples and the criminal justice system, and transnational crime
- We regularly collaborate on projects with local and national justice agencies and service providers such as the WA Department of Justice and the Attorney General, WA Police, and the Department of Health

You'll learn to

- effectively locate, analyse, and critique contemporary criminal justice resources
- develop independent, evidence-based positions on contemporary criminal justice challenges
- build strong arguments and formulate policy related advice
- advise governments on issues relating to national/international/transnational criminality, crime prevention, policing, sentencing, corrective services, offender treatment, and offender risk assessment/management
- question current practices and find ways for improvement, while developing a broad range of employment-relevant skills, including the capacity to think critically, integrate theory and research into practice, and communicate effectively

Major

- **Criminology and Criminal Justice (Extended Major)**

uwa.edu.au/study/b/criminology-and-criminal-justice

MAJORS IN LAW

Business Law

Career opportunities

Business Adviser, Investment Banker, Policy and Planning Manager

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 at UWA

- 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
- Gain the analytical skills to hold you in good stead for a career in business
- Be well-equipped for the incoming 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

Bachelor's degree: Commerce or Philosophy (Honours)

Trending second majors: Accounting; Economics; Finance; Global Business; Management

Recommended subject:

- 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/business-law

Criminology

Career opportunities

Community Development Worker, Corrective Services Officer, Police Officer, Policy Adviser, Prevention Officer, Youth Worker

Criminology enables you to study crime and criminal justice while drawing on perspectives from a range of disciplines including law, psychology, and history. In this major, you'll learn to apply criminological theory in addressing contemporary challenges related to crime, victimisation, crime prevention and the criminal justice system.

Why study this course at UWA

- Learn from leading academics with strong expertise and who are active researchers in the field
- Benefit from the UWA Law School's strong industry connections
- This major complements many other majors offered at UWA

You'll learn to

- understand the breadth of issues in contemporary criminology and the criminal justice system
- analyse and critique approaches to crime
- develop a job-ready skill set of critical and creative thinking, teamwork and problem-solving

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Business Law; Computer Science; History; Law and Society

uwa.edu.au/study/criminology

Criminology and Criminal Justice (Extended Major)

Career opportunities

Community Development Worker, Corrective Services Officer, Local Government Community Safety Worker, Police Officer, Policy Adviser, Youth Worker

Learn about the role criminology plays in understanding crime and how we deal with it, as well as the impact of criminal justice interventions on offenders, victims, and society more broadly.

In this major, you'll draw upon knowledge and perspectives from disciplines including criminology, law, psychology, history, anthropology, geography, and forensic science. Through this, you'll be exposed to the breadth of contemporary criminology and criminal justice issues.

Why study this degree at UWA

- Learn from academics with strong expertise and who are active researchers in the field
- Benefit from the UWA Law School's strong industry connections
- You'll have the opportunity to take a work integrated learning placement (for credit) in your final year

You'll learn to

- effectively locate, analyse, and critique contemporary criminal justice resources
- develop independent, evidence-based positions on contemporary criminal justice challenges
- build strong arguments and formulate policy-related advice
- advise governments on issues relating to national/international/transnational criminality, crime prevention, policing, sentencing, corrective services, offender treatment, and offender risk assessment/management
- question current practices and find ways for improvement, while developing a broad range of employment-relevant skills, including the capacity to think critically, integrate theory and research into practice, and communicate effectively

Bachelor's degree: Criminology and Criminal Justice or Philosophy (Honours)

uwa.edu.au/study/criminology-and-criminal-justice

Law and Society

Career opportunities

Community Development Worker, Human Resources Professional, Lobbyist, Policy Adviser, Youth Worker

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 law 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, analytical thinking, problem-solving, teamwork and communication.

Why study this course at UWA

- We offer a fascinating range of core and option units as an excellent foundation of law
- Develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- 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

Bachelor's degree: Arts or Philosophy (Honours)

uwa.edu.au/study/law-and-society

ASSURED PATHWAY

Law (Juris Doctor)

The Juris Doctor provides comprehensive training and a prestigious qualification for a successful career as a lawyer. The UWA Juris Doctor is WA's only postgraduate qualifying degree with which graduates can apply for admission as a lawyer with the Legal Practice Board of WA. The qualification is also recognised in China, Malaysia and Singapore. Through our Juris Doctor Assured Pathway, you can choose to study any one of our bachelor's degrees.

Prerequisites:

- Prerequisite subjects of your chosen major
- Completion of a bachelor's degree, with a UWA Grade Point Average (GPA) of at least 5.5

ATAR: 96, or 98 via BPhil (Hons)

uwa.edu.au/study/juris-doctor

Our Juris Doctor graduates are:

Problem solvers

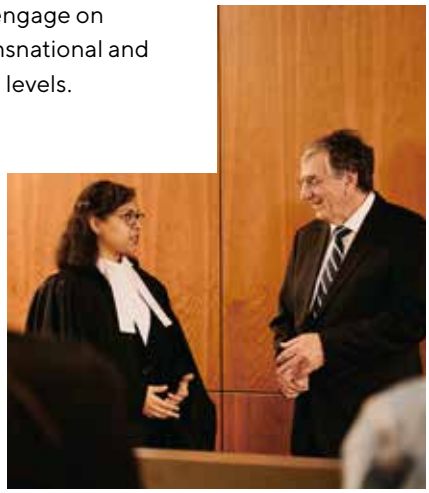
who posses deep practical; and theoretical mastery of subject matter; are critical and creative thinkers ; and understand the ways in which local, national, and global contexts influence and shape the law.

Culturally competent legal professionals

who have engaged throughout their degree with Indigenous knowledges, cultures and perspectives and are well equipped to work respectfully across cultural contexts.

Global citizens

who understand the importance of the ethical and professional practice of law; are outward-looking in the search for solutions; and able to engage on national, transnational and international levels.



Resilient and reflective learners

who are adaptable thinkers; have developed skills for critical self-reflection and lifelong learning; and understand the importance of, and have developed practical tools for, managing their well-being and supporting the well-being of others.

Relationship builders

who listen with empathy; communicate effectively; and create constructive and collaborative connections with colleagues, clients, and communities.

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.

uwa.edu.au/study/areas/music-fine-arts

Top five reasons to study Music and Fine Arts at UWA

1. **Strong practical and creative course components**
2. **Renowned artists and musicians** with extensive industry experience
3. **Exhibit** at the Cullity Gallery or **perform** on stage
4. Our global research collaborations and **strong connections with industry leaders** will provide you with a critical edge. Our established network of connections spans the creative sectors, including Perth Festival, Perth Institute of Contemporary Art, the West Australian Symphony Orchestra, WA Opera and more
5. **Outstanding facilities:** Callaway Auditorium, Eileen Joyce Studio and Cullity Gallery

Our corporate supporters influence our courses and teaching practices to stay at the forefront of industry trends and developments. They also provide guest lectures, case studies, mentoring and placement opportunities to support you as you achieve at the highest level.

At the UWA Conservatorium of Music, you can work alongside award-winning, practising artists to gain an advanced qualification in performance, composition, musicology, music teaching, setting yourself up for success in the music industry.

> “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

COMPREHENSIVE DEGREE

Bachelor of Arts

Minimum ATAR 75 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Artistic Director, Arts Professional, Film Director, Concert/Event/Exhibition Director, Composer, Curator

Studying UWA's Bachelor of Arts lets you cultivate your passions while developing career-ready 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 this degree at UWA

- Our Bachelor of Arts is one of the most diverse degrees in WA
- You'll be taught by renowned scholars and researchers who are international leaders and experts in their fields as well as award-winning teachers
- You can get hands-on industry experience through our range of professional experience practicum units
- We're the largest language hub in the state
- Supplement and extend your formal studies with UWA's exciting range of opportunities including global exchange, service learning or global citizenship collaborations
- Enhance your interdisciplinary capabilities by taking electives, minors or additional majors in adjacent fields including science, technology, engineering and mathematics (STEM)

You'll learn to

- develop communication skills to stand out in a global workforce and make a difference in the world
- critically evaluate complex information in order to make informed judgments
- use creative approaches to problem-solving
- engage ethically and responsibly with the world

Majors

- Anthropology
- Applied Human Geography
- Archaeology
- Asian Studies
- Chinese Studies
- Classics and Ancient History
- Communication and Media Studies
- **Contemporary Popular Music**
- Criminology
- English and Literary Studies
- **Fine Arts**
- French Studies
- Gender Studies
- German Studies
- History
- History of Art
- Indigenous Knowledge, History and Heritage
- Indonesian Studies
- Italian Studies
- Japanese Studies
- Korean Studies
- Law and Society
- Linguistics
- **Music General Studies**
- **Music Studies**
- **Music and Society**
- **Music: Electronic Music and Sound Design**
- Philosophy
- Political Science and International Relations
- Psychological and Behavioural Sciences
- Science and Technology in Society
- Spanish Studies
- Work and Employment Relations

uwa.edu.au/study/bachelor-of-arts

Improve your career prospects and extend your knowledge through our Bachelor of Arts (Honours)

SPECIALISED DEGREE

Bachelor of Music

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 - 4 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Performer, Composer, Conductor, DJ or Creative Artist (sound artist/designer), Music Administrator/Arts Management, Music Journalist, Music Teacher*, Sound or Audio Engineer

The Bachelor of Music provides specialisations for composers, performers and musicologists. It provides you with professional and performance experience as a creator of music. The degree incorporates significant industry experience and other experiential learning opportunities.

Why study this degree at UWA

- UWA has a long history in developing world-class performers, composers and musicologists
- Make industry connections with the leading players in WA and internationally, including West Australian Symphony Orchestra (WASO), West Australian 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
- work with leading international and national artists
- perform with leading industry partners such as West Australian Opera and WASO among others

Major

- **Music (Extended Major)**

uwa.edu.au/study/bachelor-of-music

*Postgraduate study required

MAJORS IN MUSIC AND FINE ARTS

Contemporary Popular Music

Career opportunities

Recording Artist, Songwriter, Arts Administrator, Performer

This major allows you to develop your artistry and knowledge skills while engaging with the music industry. You'll gain practical experience in artistic self-management, contemporary performance, creativity and problem solving. The entrepreneurial and networking skills you discover will ensure you are equipped for a career when you graduate.

Why study this course at UWA

- As well as working independently, you will have the opportunity to develop a collaborative portfolio, aligning with the artistic practicalities of the music industry
- Choose your own individual pathway by studying this major along with one other in any area of the University
- The communication, musical, analytical, written and research skills you develop in the major are desirable to a wide range of profession

You'll learn to

- Develop practical experience, entrepreneurial and networking skills
- Use problem-solving skills, digital skills in production, analytical and listening skills and critical thinking
- Engage with the music industry
- Enhance your skills in contemporary performance

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Music General Studies, Music: Electronic Music and Sound Design

uwa.edu.au/study/contemporary-popular-music

Fine Arts

Career opportunities

Artistic Director, Arts Professional, Film Director, Curator

This intensive, studio-based major 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 at UWA

- Following a foundational first year of study in which you develop fundamental practical skills in tandem with a body of conceptual and theoretical knowledge, you then select from more focused areas including digital art, biological and environmental art, painting, drawing and print-making, multi-medium installation and curation practices
- Be taught by world-class, internationally recognised artists across a range of fields

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

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: History of Art; Communication and Media Studies; Indigenous Knowledge, History and Heritage

uwa.edu.au/study/fine-arts

Music (Extended Major)

Career opportunities

Performer, Composer, Conductor, DJ or Creative Artist (sound artist/designer), Music Administrator/Arts Management, Music Journalist, Music Teacher*, Sound or Audio Engineer

This major will provide you with a rigorous, high-quality tertiary music education. Whether your passion is performing, composing, musicology, teaching or creative music technology, this major will equip you with the skills for a career in the music profession.

Why study this course at UWA

- 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 WA and internationally, including WASO, WA Opera, the music industry and leading performers in the classical and music technology fields

You'll learn to

- perform, create and write about music
- become a well-rounded 21st century musician, equipped for a career in the creative arts
- 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

Bachelor's degree: Music or Philosophy (Honours)

Prerequisites:

- A practical requirement equivalent to AMEB Grade 7, demonstrated by an audition
- A strong background in music theory equivalent to AMEB Grade 5 demonstrated at audition
- For the composition stream a portfolio of works is required

uwa.edu.au/study/music-extended-major

*Postgraduate study required

Music General Studies

Career opportunities

Arts Administrator, Music Professional, Musician

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 at UWA

- You'll have more performance opportunities than any other West 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

Bachelor's degree: Arts or Philosophy (Honours)

Prerequisites:

- A practical requirement equivalent of AMEB Grade 5, demonstrated by an audition
- A portfolio is also required for applicants for composition

Trending second majors: Contemporary Popular Music, Electronic Music and Sound Design, Economics, Law and Society

uwa.edu.au/study/music-general-studies

Music Studies

Career opportunities

Musician, Composer, Music Journalist, Performer

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 at UWA

- Take part in more performances than with any other Western Australian classical tertiary program
- 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

Bachelor's degree: Arts or Philosophy (Honours)

Prerequisites:

- A practical requirement equivalent of AMEB Grade 5, demonstrated by an audition
- A background in music theory
- A portfolio is also required for applicants for composition

uwa.edu.au/study/music-studies

Music and Society

Career opportunities

Arts and cultural sector worker, community organisation worker, cultural historian

This major develops your skills and expertise in thinking critically about music across a broad range of styles and contexts, encompassing its histories, social and political meanings, and performance and listening practices.

Why study this course at UWA

- Tailor your pathway and study this major alongside many other different degrees at UWA
- Add critical thought in music and culture to your learning experience

You'll learn to

- Discover broad historical perspectives on the nature and contexts of music and the relevance of historical and stylistic conventions from various periods
- Develop transferable skills in research, critical thinking and communication which enable successful tertiary study, and facilitate further study and lifelong learning
- Critically engage with, and interpret key texts and works from, a range of music sub-disciplines
- Demonstrate a socio-cultural and historically sensitive perspective of various forms of music and music cultures

Bachelor's degree: Arts or Philosophy (Honours)

Prerequisites:

- Passed UWA Conservatorium of Music audition/ composition portfolio

uwa.edu.au/study/courses/music-and-society

Music: Electronic Music and Sound Design

Career opportunities

Concert/Event/Exhibition Director; Electronic Music Composer/Producer; Film/Animation/Commercial Composer; Game Audio Composer; Music Teacher*

Combine your interests in music and technology in this creative-focused major, which allows you to explore artistic and technical aspects of the field toward creating professional, industry relevant electronic/digital music compositions.

Why study this course at UWA

- Learn how to use the latest technology from a diverse team of industry specialists to write and produce music for settings such as film, video games, audio installations and electronic music
- Combine your music and creativity with other subjects

You'll learn to

- demonstrate compositional techniques using rhythm, harmony and form
- articulate broad historical perspectives and critical engagement on electronic music and sound art
- produce and present original electronic music and sound artworks
- develop specialised sound design techniques applicable in key industries of film/TV, documentary, commercials and video gaming
- develop transferable skills in creative and critical thinking, research, project planning and presentation

Bachelor's degree: Arts or Philosophy (Honours)

Trending second majors: Contemporary Popular Music, Music General Studies; Computer Science; Communication and Media Studies

uwa.edu.au/study/music-electronic-music-and-sound-design

*Postgraduate study required

Natural and Physical Sciences

Natural and Physical Sciences covers a wide range of disciplines including agriculture and environment, biology and chemistry, earth and oceans, physics and mathematics.

You'll have the opportunity to choose from a range of subjects such as agricultural science, biotechnology, earth sciences, ecology, genetics, geology, marine biology, molecular sciences, wildlife conservation, statistics and more.

uwa.edu.au/study/areas/natural-physical-sciences

Top five reasons to study Natural and Phsyical Sciences at UWA

1. We have **100+ units offering practical work experience** where you'll gain hands-on industry-relevant experience and skills

2. Get career-ready with our **strong industry, business and government networks** including Alcoa, BHP, CSIRO, Department of Biodiversity, Conservation and Attractions (Kings Park and Perth Zoo), Fortescue, Rio Tinto, WA Museum, Woodside, and more

3. **Be recognised** – a number of our courses are accredited by the likes of the Australian Institute of Physics, the Australasian College of Physical Scientists and Engineers in Medicine, and the Royal Australian Chemical Institute

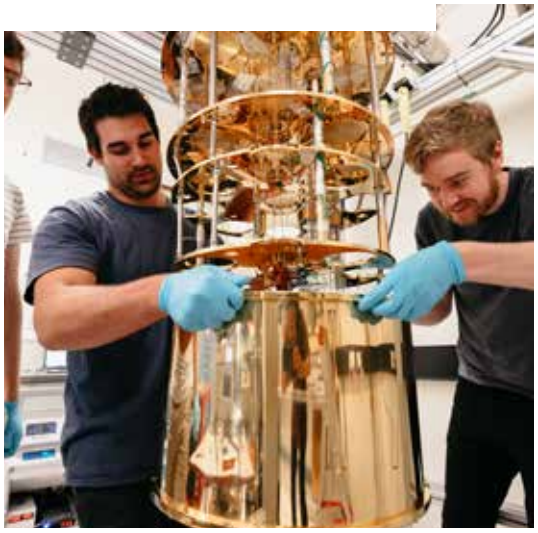
4. UWA is in the **World Top 50** for Agriculture and Forestry, Earth and Marine Sciences, Geology and Geophysics (QS 2023), and Agricultural Sciences, Biological Sciences, Environmental Science and Engineering and Oceanography (ARWU 2023)

5. **You'll gain access to leading learning facilities** including the Bayliss Building, Biomolecular Interactions Facility, The International Centre for Radio Astronomy Research, The Square Kilometre Array radio-telescope, and supercomputing facilities through The Pawsey Centre and iVEC@UWA

Our State's biodiverse and varied landscape is the perfect location to gain the knowledge and experience required to maintain balance in our natural environment. Whether you're interested in protecting the environment, improving healthcare, developing new technology and materials, or deciphering the universe, your studies in natural and physical sciences will set you up for a rewarding career in science and technology.

Led by our award-winning researchers, inspirational leaders and expert academics, you'll be immersed in the hands-on side of natural and physical science with opportunities to use and control high-precision instruments in our laboratories, on field trips and in real-world work placements with hospitals, industry and government research organisations.

Your studies will involve the crucial technical skills in data analysis, visualisation, interpretation and technological skills – all of which are essential in growth industries such as science, technology, engineering and finance.



Some of your classes will be held at EZONE, providing you with an unparalleled experience, building an innovative and collaborative culture based on a STEM capability like no other in the country.

COMPREHENSIVE DEGREE

Bachelor of Biomedical Science

Minimum ATAR 80 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Biomedical Scientist or Researcher, Infectious Disease Epidemiologist, Exercise Physiologist, Sports Scientist, Health Policy Adviser, Laboratory Technician or Manager

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 a flexible, practical and 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 QEIIMC site in Nedlands. As the largest medical centre in the southern hemisphere, it's surrounded by major public hospitals, pathology services providers, and internationally renowned medical research organisations, including the Harry Perkins Institute of Medical Research and the Telethon Kids Institute.

Why study this degree 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 and WA's leading clinicians and scientists
- UWA is ranked 2nd in Australia for Human Biological Sciences (ARWU 2023)
- This degree encompasses laboratory-based learning, practical industry placements, and laboratory-based biomedical research, ensuring you are ready to enter the global workforce

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 transferable knowledge and skills to impact the health of people and populations and flourish in your chosen career
- gain a sound understanding of how the human body functions in healthy and diseased states, the nature and origins of diseases and their treatment, and the principles of healthcare at the individual and population level

Majors

- Aboriginal Health and Wellbeing
- **Anatomy and Human Biology**
- **Biochemistry and Molecular Biology**
- Exercise and Health
- **Genetics**
- Humanities in Health and Medicine
- Microbiology and Immunology
- Neuroscience
- Pathology and Laboratory Medicine
- Pharmacology
- Physiology
- Public Health

uwa.edu.au/study/b/biomedical-science

Improve your career prospects and extend your knowledge through our Bachelor of Biomedical Science (Honours)

COMPREHENSIVE DEGREE

Bachelor of Science

Minimum ATAR 75 or equivalent
STAT Written English and Verbal or Quantitative
Intake months February and July
Completion 3 years full time or part-time equivalent
Available via Experience-based entry

Career opportunities

Agricultural Scientist, Astronomer, Biochemist, Chemist, Environmental Consultant, Forensic Scientist, Marine Conservationist, Geneticist, Zoologist

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.

Why study this degree at UWA

- You'll be taught by the world's leading academics
- You'll gain highly valued skills that will ensure you're well-prepared for many diverse and exciting careers
- UWA is ranked in the world's top 50 for Agriculture and Forestry, Earth and Marine Sciences, Geology and Geophysics (QS 2023)

You'll learn to

- think critically and push boundaries to investigate the big issues confronting our planet
- develop scientific skills in reasoning, logic, observation and analysis
- gain hands-on industry-relevant experience and skills
- bridge the gap between theory and practice through work experience opportunities

Majors

- **Agribusiness**
- **Agricultural Science**
- **Agricultural Technology**
- **Anatomy and Human Biology**
- **Biochemistry and Molecular Biology**
- **Botany**
- **Chemistry**
- Computer Science
- **Conservation Biology**
- Cybersecurity
- Data Science
- **Environmental Management**
- **Environmental Science**
- Exercise and Health
- **Genetics**
- **Geographical Sciences**
- **Geology**
- **Marine and Coastal Processes**
- **Marine Biology**
- **Mathematics**
- Microbiology and Immunology
- Neuroscience
- **Physics**
- Physiology
- Psychological and Behavioural Sciences
- Sport Science
- **Statistics**
- **Zoology**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Science and Master of Teaching (Secondary)

Minimum ATAR: 84 or equivalent

- Bachelor of Science-Frontier Physics and Master of Physics

Minimum ATAR: 96 or equivalent

uwa.edu.au/study/b/science

Improve your career prospects and extend your knowledge through our Bachelor of Science (Honours)

SPECIALISED DEGREE

Bachelor of Agribusiness

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Business Consultant, Commodity Trade Analyst, Policy Analyst

Agribusiness refers to the collective business activities involved in production, financing, processing, and marketing of food and fibre to sustain humanity.

The Bachelor of Agribusiness will provide you with the opportunity to be part of this growing sector. You'll learn about the management and regulation of businesses operating from the farm gate to consumer plates, applying business and economic principles to address the managerial challenges in the food systems and value chains.

Why study this degree at UWA

- UWA is ranked 1st in Australia and 22nd in the world for Agricultural Sciences (ARWU 2023)
- You'll gain the professional skills, knowledge and expertise to shape global agricultural production
- The agribusiness industry is experiencing rapid growth, resulting in strong career opportunities for graduates in agricultural science, economics and business

You'll learn to

- demonstrate a comprehensive understanding of economic, business management principles, and their use in agribusiness management and policy
- exercise critical thinking and judgement in identifying, defining and solving problems in agribusiness with intellectual independence
- demonstrate skills and knowledge necessary for employment in the agribusiness industry

Major

- **Agribusiness and Agricultural Science (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Agribusiness and Master of Agricultural Economics

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/agribusiness

SPECIALISED DEGREE

Bachelor of Agricultural Science

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Digital Agronomist, Conservation Consultant, Sustainable Food Production Scientist

The Bachelor of Agricultural Science prepares you to understand and influence current and future agricultural systems, through the integration of the rapidly developing field of Agricultural Technology with key Agricultural Science subjects.

You'll develop skills in digital agriculture, agricultural economics, soil science, and crop and livestock production.

Why study this degree at UWA

- UWA is ranked 1st in Australia and 22nd in the world for Agricultural Sciences (ARWU 2023)
- This bachelor will provide you with specialised advanced training agricultural science and technology
- You'll gain hands-on industry relevant knowledge and experience which will make you highly competitive in the job market

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 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 production

Major

- **Agricultural Science and Technology (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Agricultural Science and Master of Agricultural Science

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/agricultural-science

SPECIALISED DEGREE

Bachelor of Biological Science

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Biologist, Botanist, Ecologist, Environmental Scientist, Wildlife Officer, Zoologist

There is no better place to study than right here in Western Australia. Our living laboratory gives you the opportunity to fully immerse yourself in your studies. The Bachelor of Biological Science teaches you how living organisms, ranging from microbes to megaflora and megafauna, grow, reproduce, adapt and evolve.

You'll learn how species and ecological communities can be managed, conserved and restored, using techniques ranging from genetic analysis, to data collection from whole populations and ecosystems, to big data synthesis science.

A quality education in Biological Science at UWA will equip you with attributes that are highly valued and sought-after by a diverse range of employers around the globe, and provides the opportunity to harness the skills and knowledge necessary to understand the vulnerabilities and resilience of life on our planet.

Why study this degree at UWA

- UWA is ranked 1st in Australia for Biological Sciences (ARWU 2023)
- Australia's flora and fauna are megadiverse and WA is home to more than half of the plant species and almost half our animal species
- The specific skills and knowledge developed and demonstrated by graduates are highly valued by employers and will make you highly competitive in the job market

You'll learn to

- demonstrate broad and coherent theoretical and technical knowledge with depth in the discipline of Biological Science
- apply well-developed cognitive, creative and communication skills in diverse contexts
- review critically, analyse, consolidate and synthesise knowledge
- exercise independent and critical thinking and judgement in identifying and solving problems
- demonstrate skills and knowledge necessary for employment in the discipline of Biological Science and further study

Majors

- **Biodiversity and Evolution (Extended Major)**
- **Plant Biology (Extended Major)**
- **Wildlife Conservation (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Biological Science and Master of Biological Science
- Bachelor of Biological Science and Master of Biotechnology

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/biological-science

SPECIALISED DEGREE

Bachelor of Earth Sciences

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Geochemist, Geological Consultant, Geologist, Geoscientist

The Bachelor of Earth Sciences is ideal for students who are curious about the complex system that comprises the solid Earth, its oceans and atmosphere, and the place of Earth in the solar system and beyond.

Earth scientists have a key role to play in understanding environmental challenges and the sustainability of resources in a changing world. To do this, they focus on deciphering the processes that have shaped our planet from its origin, to its changes through time recorded by rocks and fossils, through to modern-day processes. This diversity creates many exciting opportunities for scientific discovery and professional careers.

Increasingly sophisticated technology is used to gain insights into Earth materials and processes, using principles and techniques from chemistry, physics, biology and maths. An Earth Sciences degree at UWA will provide you with knowledge and skills that are highly valued by employers of geoscientists. Emphasis is placed on practical skills gained in the laboratory and through fieldwork which can be applied to a diverse range of employment opportunities.

Why study this degree at UWA

- UWA is ranked 22nd in the world for Geology and ranked 29th in the world for Earth and Marine Sciences (QS 2023)
- You'll have access to leading facilities for research and field-based activities
- Gain industry-government experience through work integrated learning that emphasises the relevance of fieldwork and laboratory work

You'll learn to

- gather, analyse, synthesise and interpret data
- solve real-world geoscientific problems through hands-on study in the laboratory and out in the field
- understand the importance of using data to predict future changes in the Earth's systems
- study complex coastal systems and record the impacts of climate change

Majors

- **Geochemistry (Extended Major)**
- **Integrated Earth and Marine Sciences (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Earth Sciences and Master of Geoscience
- Bachelor of Earth Sciences and Master of Oceanography

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/earth-sciences

SPECIALISED DEGREE

Bachelor of Environmental Science

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Conservation Officer, Environmental Consultant, Mine Rehabilitation Specialist

Study Environmental Science and make a real and meaningful difference in protecting our environment.

The Bachelor of Environmental Science focuses on the ecological and management aspects of environmental science. You'll learn to understand, rationally analyse and develop solutions for improving human impacts on the natural world.

This specialised degree will teach you strong theoretical knowledge in topics such as biology, climate science, data analysis, ecology, economics, geographic information systems, hydrology, and soil science. You'll also develop practical skills, scientific logic, and creative thinking, allowing you to develop and communicate diverse unbiased solutions to current and emerging environmental problems across a wide range of disciplines.

Why study this degree at UWA

- UWA is ranked 2nd in Australia for Environmental Science and Engineering (ARWU 2023)
- You'll gain specialised advanced training in the field of environmental science to set you on the path to your dream career
- The specific skills and knowledge developed and demonstrated by UWA graduates are exceedingly valued by employers and will make you highly competitive in the job market

You'll learn to

- demonstrate broad and coherent theoretical and applied technical skills in the disciplines of environmental science and ecology
- apply scientific principles as well as creative and communication skills in diverse contexts relevant for environmental science and ecology
- critically review, statistically analyse, and synthesise knowledge around ecological, physical and chemical processes in the environment following scientific principles in natural sciences
- exercise critical thinking and judgement in identifying and solving problems around climate change impacts, environmental assessments as well as ecological and environmental rehabilitation
- demonstrate competency in laboratory practice, fieldwork study, report writing, oral presentation and teamwork skills suited to gain employment in the disciplines of environmental science and ecology

Majors

- **Environmental Science and Ecology (Extended Major)**
- **Environmental Science and Management (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Environmental Science and Master of Environmental Science

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/environmental-science

SPECIALISED DEGREE

Bachelor of Geographical and Spatial Science

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Environmental Consultant, GIS Officer, GIS Analyst, Remote Sensing Specialist

The Bachelor of Geographical and Spatial Science focuses on understanding the environmental processes including climate and hydrology that interact with landscapes, people and drive economies, including broader geography principles, demography and regional development.

You'll learn how to use, manipulate, analyse and visualise spatial data to solve significant environmental and social issues such as climate change, population growth and land degradation. Once finished, you'll develop strong skills in Geographic Information Systems (GIS), advanced remote sensing and spatial analysis that are in high demand by employers.

This hands-on degree involves significant learning in the field, laboratory activities, acquisition of advanced spatial data, and fundamental problem-solving skills to understand and recommend solutions to environmental issues.

Why study this degree at UWA

- UWA is ranked 2nd in Australia and 38th in the world for Environmental Science and Engineering (ARWU 2023)
- Graduates with GIS and spatial data skills are in high demand and command a salary premium in the job market
- You'll have the opportunity to specialise in spatial sciences leading to a rewarding career in the geographical sciences field

You'll learn to

- demonstrate broad and coherent theoretical and technical knowledge of core geographical concepts to understand human and physical environments
- apply well-developed cognitive, creative and communication skills in diverse contexts
- critically review, analyse and synthesise data
- implement critical thinking and judgement to identify and resolve problems
- present a clear, coherent and independent exposition of knowledge and ideas
- demonstrate skills and knowledge necessary for employment in this field

Major

- **Geographical and Spatial Science (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Geographical and Spatial Science and Master of Environmental Science

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/gss

SPECIALISED DEGREE

Bachelor of Marine Science

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Coastal Planner, Marine Biologist, Marine Environmental Consultant, Marine Scientist, Oceanographer

The Bachelor of Marine Science offers the full breadth of the marine science discipline, combining knowledge of marine life with a solid understanding of the physical environment across all levels of biological organisation. You'll learn about the complex interactions that occur in marine ecosystems and how to manage these systems in a changing world through lectures, laboratory exercises and field excursions. Through experimental design and research, both in the field and in laboratories, you'll learn to appreciate the complex interactions that occur between marine ecosystems and physical processes.

Why study this degree at UWA

- UWA is ranked 2nd in Australia in Earth and Marine Sciences (QS 2023) and has brand new facilities and resources unique to Australia that are used across our marine studies
- This degree at UWA is the ultimate multi- and inter-disciplinary learning environment that will best place you to continue your studies as a postgraduate student or pursue a career in a marine-related discipline after graduation.
- The specific skills and knowledge developed and demonstrated by graduates are highly valued by employers and will make you highly competitive in the job market

You'll learn to

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

Major

- **Marine Science (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Marine Science and Master of Environmental Science
- Bachelor of Marine Science and Master of Marine Biology
- Bachelor of Marine Science and Master of Oceanography

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/marine-science

SPECIALISED DEGREE

Bachelor of Mathematics

Minimum ATAR 90 or equivalent
Intake months February and July
Completion 3 years full time

Career opportunities

Mathematician, Researcher/Academician, Industrial Modeller, Financial Analyst, Data Scientist, Teacher*

The Bachelor of Mathematics is designed to provide high-achieving students with a solid foundation in the fundamental concepts and theories of mathematics. It covers core subjects like calculus, linear algebra and statistics, while exploring more advanced topics in complex systems, networks, abstract algebra, analysis, topology, probability theory, numerical methods and more.

You'll develop problem-solving skills and analytical reasoning, preparing you for a wide range of future careers as mathematicians, data scientists, statisticians and analysts.

The degree will help fill the strong demand for highly skilled graduates who are able to apply mathematical theories and techniques to solve real-world problems in a wide variety of industries such as finance, business, technology, mining, education and health.

Why study this degree at UWA

- UWA is one of the leading universities in Australia, and our Bachelor of Mathematics is recognised for its high-quality education. The degree is designed to help you develop strong mathematical skills and problem-solving abilities, which are highly valued in a variety of industries
- When you graduate, you'll be well-equipped to pursue a wide range of career opportunities
- UWA is home to world-class researchers in mathematics and you'll have the opportunity to work alongside these researchers on cutting-edge projects. You'll gain valuable research experience, as well as the opportunity to develop strong relationships with academics who can serve as mentors and references in the future.

You'll learn to

- explain mathematical concepts and principles that underpin a wide range of applications
- investigate physical, numerical and theoretical problems using appropriate mathematical techniques
- demonstrate an understanding of axiomatic systems and the fundamentals of mathematics by applying abstract reasoning, rigour and logical deduction
- apply the power of mathematics to model and understand the real world

Majors

- **Mathematics (Extended Major)**

uwa.edu.au/study/b/math

*Postgraduate study may be required

SPECIALISED DEGREE

Bachelor of Molecular Sciences

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Biochemist/Molecular Biologist, Biotechnologist, Food Scientist

In Molecular Sciences, you'll learn about life at the molecular level. Starting with the building blocks of life (DNA, RNA, proteins, lipids and carbohydrates) you'll work towards understanding the complex function of cells, tissues and organisms. Training in cutting-edge technologies will equip you with the tools to answer the many challenges in the biological and/or health sciences. The degree serves as an excellent stepping stone into any career in the biosciences. Successful completion of the Molecular Life Sciences extended major allows you to progress to a Master of Biotechnology or other postgraduate studies in relevant bioscience disciplines. Alternatively, the successful completion of the Biochemistry of Nutrition extended major will enable you to pursue postgraduate studies in the Master of Biomedical Science or a related discipline.

Why study this degree at UWA

- 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
- This degree at UWA is the ultimate multi- and inter-disciplinary learning experience
- The specific skills and knowledge developed and demonstrated by graduates are highly valued by employers and will make you highly competitive in the job market

You'll learn to

- demonstrate broad and coherent theoretical and technical knowledge in the discipline of Molecular Sciences
- apply well-developed cognitive, creative and communication skills in diverse contexts
- critically review, analyse, consolidate and synthesise knowledge
- exercise independent judgment and critical thinking in identifying and solving problems
- demonstrate skills and knowledge necessary for employment in the discipline of Molecular Sciences and further study

Majors

- **Biochemistry of Nutrition (Extended Major)**
- **Molecular Life Sciences (Extended Major)**

You can also take this degree as a combined bachelor's and master's

- Bachelor of Molecular Sciences and Master of Bioinformatics
- Bachelor of Molecular Sciences and Master of Biomedical Science
- Bachelor of Molecular Sciences and Master of Biotechnology

Minimum ATAR: 90 or equivalent

uwa.edu.au/study/b/molecular-sciences

COMBINED BACHELOR'S DEGREES

Bachelor of Agribusiness and Bachelor of Science

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agribusiness-and-science

Bachelor of Agricultural Science and Bachelor of Arts

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agricultural-science-and-arts

Bachelor of Agricultural Science and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agricultural-science-and-commerce

Bachelor of Agricultural Science and Bachelor of Science

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/agricultural-science-and-science

Bachelor of Environmental Science and Bachelor of Arts

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/environmental-science-and-arts

Bachelor of Environmental Science and Bachelor of Commerce

Minimum ATAR 88 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/environmental-science-and-commerce

Bachelor of Environmental Science and Bachelor of Science

Minimum ATAR 85 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/environmental-science-and-science

Bachelor of Modern Languages and Bachelor of Biomedical Science

Minimum ATAR 82
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/modern-languages-biomedical-science

Bachelor of Modern Languages and Bachelor of Science

Minimum ATAR 82 or equivalent
Intake months February and July
Completion 4 years full time or part-time equivalent

uwa.edu.au/study/bb/modern-languages-and-science

COMBINED BACHELOR'S AND MASTER'S DEGREE

Bachelor of Science (Frontier Physics) and Master of Physics

Minimum ATAR 96 or equivalent
Intake months February
Completion 4 years full time or part-time equivalent

Career opportunities

Astronomer, Defence Scientist, Lab Technician, Physicist, Physics Teacher, Researcher, Technical Specialist

This combined bachelor's and master's degree provides a solid grounding in the fundamental theories, conceptual framework, computational techniques and experimental skills in frontier physics. Understand the universe at its smallest and largest scales, ready for a career in research, teaching, or tech development, where you'll contribute to exciting new discoveries and create new technologies.

Why study this degree at UWA

- Study at the frontiers of discovery, including advanced theories of General Relativity and Quantum Field Theory
- Work with world-leading researchers and award-winning lecturers in dark matter discovery, gravitational wave detection, theoretical physics, and quantum information and computing
- Fast-track your journey to postgraduate research or a professional career in physics

You'll learn to

- apply the fundamental theories and conceptual framework of contemporary and frontier physics
- identify problems and research at the frontiers of physics
- test concepts in advanced and frontier physics using state-of-the-art techniques and instrumentation
- use appropriate mathematical expression and communication of physical concepts
- investigate physical and theoretical problems using computational techniques, undertake a research project in physics, and communicate the outcome

Prerequisites:

- Mathematics Specialist ATAR
- Mathematics Methods ATAR
- Physics ATAR

uwa.edu.au/study/cbm/frontier-physics

MAJORS IN AGRICULTURE AND ENVIRONMENT

Agribusiness

Career opportunities

Agricultural Consultant, Agricultural Scientist, Policy Analyst

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 at UWA

- 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, policy formation, finance, and rural development
- 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
- develop 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
- build practical and transferable skills in management, teamwork, critical thinking and communication

Bachelor's degree: Science or Philosophy (Honours)

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

Trnding second majors: Agricultural Technology; Finance; Marketing

uwa.edu.au/study/agribusiness

Agribusiness and Agricultural Science
(Extended Major)

Career opportunities

Agribusiness Financial Analyst, Agricultural Credit Analyst, Economic Policy Analyst

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 major combine practical business skills with your interests in agriculture to tackle the global challenge of creating a sustainable food future.

Why study this course at UWA

- Gain the professional skills and knowledge to understand the economical, societal, biological and physical factors that shape global production
- With continued world population growth, job opportunities in this field continues to expand
- Learn about animal husbandry and crop systems to apply business strategies that capitalise on innovation and cutting-edge best practice

You'll learn to

- obtain a 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

Bachelor's degree: Agribusiness or Philosophy (Honours)

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-and-agricultural-science

Agricultural Science

Career opportunities

Agribusiness Consultant, Agricultural Consultant, Agricultural Scientist

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.

Why study this course at UWA

- There's a high demand for skilled agriculture graduates with a strong science background
- UWA is ranked 1st in Australia and 22nd in the world for Agricultural Sciences (ARWU 2023)
- You'll gain hands-on industry-relevant experience and skills through placement opportunities

You'll learn to

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

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Botany; Chemistry; Environmental Science; Genetics

uwa.edu.au/study/agricultural-science

Agricultural Science and Technology (Extended Major)

Career opportunities

Agricultural Consultant, Agricultural Scientist, AgTech Specialist, Precision Agriculture Specialist

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

Why study this course at UWA

- Agricultural technology is rapidly developing, resulting in a high demand for graduates skilled in Agricultural Science and Technology
- You'll gain hands-on practical experience through work placements, field excursions and lab work
- UWA is ranked 1st in Australia and 22nd in the world for Agricultural Sciences (ARWU 2023)

You'll learn to

- integrate agricultural knowledge 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
- assess how farm management practices, climate, plants and animals influence agricultural production
- evaluate how agricultural trade and commodity marketing can be applied to manage price risk

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

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

Agricultural Technology

Career opportunities

Agricultural Consultant, Agricultural Scientist, Precision Agriculture Specialist

Data-intensive agricultural technology is transforming the agricultural sector with its potential to significantly increase food production effectively, efficiently and sustainably. This 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 at UWA

- Agricultural technology (AgTech) is rapidly developing, resulting in a high industry demand for graduates who are skilled in this area
- Opportunity to join UWA's research efforts and contribution towards developing sustainable food production solutions
- UWA is ranked 1st in Australia and 22nd in the world for Agricultural Sciences (ARWU 2023)

You'll learn to

- develop skills in geographic information systems (GIS), programming, and data analysis
- Use your skills and knowledge to develop solutions that address global challenges such as the increasing demand for food and fibre
- assess the effectiveness of agricultural systems using scientific methods and your knowledge of farming

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Agribusiness; Business; Conservation Biology

uwa.edu.au/study/agricultural-technology

Conservation Biology

Career opportunities

Conservation Biologist, Conservation Officer, Environmental Consultant

In this major, you'll focus on how to protect and restore biodiversity, and you'll gain theoretical and practical knowledge and skills to understand and minimise the human impacts on natural ecosystems. The major includes several field trips including one to the highly diverse South Coast Region near Albany where you'll interact with world experts in conservation sciences.

Why study this course at UWA

- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)
- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world and especially renowned for its high plant diversity
- Many of the units in the major have been designed with input from or collaboration with experts from the local Conservation Industry (e.g. DBCA), ensuring the major incorporates essential skills, providing you with important connections for future jobs

You'll learn to

- understand global biodiversity and its distribution, and the evolutionary history of biodiversity in Australia, as well as particular species and communities that are highly threatened
- 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
- demonstrate the analytical and communication skills for modern conservation research

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Botany; Environmental Science; Marine Biology; Zoology

Recommended subject: Chemistry ATAR

uwa.edu.au/study/conservation-biology

Environmental Management

Career opportunities

Conservation Planner, Environmental Economist, Environmental Policy Analyst

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 at UWA

- The UWA Centre for Environmental Economics and Policy is recognised for its excellence in environmental policy analysis
- UWA is ranked 2nd in Australia and 38th in the world for Environmental Science and Engineering (ARWU 2023)
- Opportunity 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 concerning 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 and understand the main drivers of environmental degradation

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Conservation Biology; Economics; Marine Biology

uwa.edu.au/study/environmental-management

Environmental Science

Career opportunities

Conservation Officer, Environmental Consultant, Environmental Scientist

Environmental science studies focuses on assessing the impact of human activity on the global environment which in turn assists in the development of scientific, risk-based solutions to help secure a sustainable future. You'll help 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 at UWA

- UWA is ranked 2nd in Australia and 38th in the world for Environmental Science and Engineering (ARWU 2023)
- WA is home to multiple large companies in the mining, agriculture and environmental sectors that operate within regions of rich biodiversity, resulting in high demand for qualified graduates
- You can develop skills and knowledge that'll help you become a leader in the environmental science sector

You'll learn to

- develop skills and knowledge to assess environmental systems by using field, laboratory, modelling and statistical methodologies
- integrate ecological, physical and chemical processes to guide decision making concerning 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

Bachelor's degree: Science or Philosophy (Honours)

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

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

uwa.edu.au/study/environmental-science

Environmental Science and Ecology (Extended Major)

Career opportunities

Conservation Officer, Ecologist, Environmental Consultant, Policy and Planning Manager

Environmental science assesses the impact of human activity on the global environment to help develop scientific, risk-based solutions aimed at securing a more sustainable future. Ecologists study how species interact with each other, with other species, and with their physical environment. A combination of both subjects is vital for understanding and protecting the balance of the natural world.

Why study this course at UWA

- Gain specialised advanced training in the field of environmental science to set you on the path to your dream career
- Opportunity to develop the skills and knowledge exceedingly valued by employers, making you highly competitive in the job market
- We'll provide you with the environment to build technical skills and valuable connections through hands-on learning, in the lab and out in the field

You'll learn to

- demonstrate comprehensive theoretical knowledge whilst applying technical skills in environmental science and ecology
- apply and communicate scientific principles to diverse contexts in this field of study
- exercise critical thinking and judgement in identifying and solving problems around climate change impacts, environmental assessments, as well as ecological and environmental rehabilitation
- demonstrate applied skills and knowledge necessary for employment in the disciplines of environmental science and ecology

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

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/environmental-science-and-ecology

Environmental Science and Management (Extended Major)

Career opportunities

Conservation Officer, Environmental Consultant, Soil Scientist

Environmental science evaluates the influence of human activity on the global environment to help develop scientific, risk-based solutions aimed at securing a more sustainable future. As a student of this 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 at UWA

- UWA is ranked 2nd in Australia and 38th in the world for Environmental Science and Engineering (ARWU 2023)
- Opportunity to develop the knowledge and skills needed to help society resolve conflicts caused by the increasing demands of growing populations
- You'll develop specialist level skills and knowledge that'll position you as an expert in the environmental science and policy analysis fields

You'll learn to

- develop skills and knowledge to assess environmental systems by 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

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

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/environmental-science-and-management

Geographical and Spatial Science (Extended Major)

Career opportunities

Environmental Consultant, GIS Officer, GIS Analyst, Remote Sensing Specialist

This major will prepare you for employment in areas related to marine and coastal science, geography and spatial sciences, catchment and water processes, and environmental management. You'll develop expertise in the use of geographic information and spatial analysis techniques using Geographic Information Systems (GIS) and remote sensing technologies.

Why study this course at UWA

- UWA is ranked 2nd in Australia and 38th in the world for Environmental Sciences and Engineering (ARWU 2023)
- Graduates equipped with GIS and spatial science expertise are highly sought-after in industry and often receive premium salaries
- Opportunity to specialise in spatial sciences which can lead you to a rewarding career across a broad range of industries
- This major is an established pathway to postgraduate study in UWA's Master of Environmental Science

You'll learn to

- apply geographical concepts to understand changes in human and physical environments
- understand and communicate geographical causes, consequences and solutions to global challenges
- implement technical skills in GIS and remote sensing to interpret spatial processes and patterns
- use written, oral and visual skills to communicate geographical perspective, knowledge and solutions
- understand Indigenous perspectives and traditional knowledge as part of the solutions to addressing major environmental challenges

Bachelor's degree: Geographical and Spatial Science or Philosophy (Honours)

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/geographical-and-spatial-science

Geographical Sciences

Career opportunities

Climate Change Advisor, Environmental Consultant, GIS Professional, Sustainability Consultant

Geographical sciences is the science of place and space. You'll develop an understanding of environmental processes including atmospheric, aquatic, terrestrial and anthropogenic interactions. Graduates of this major work in positions that require an understanding of and the science behind, complex human-environment interactions. You'll use this understanding and spatial information to solve the world's big challenges.

Why study this course at UWA

- Learn skills in a range of research techniques, including fieldwork, survey design, statistical analysis and spatial data analysis
- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world
- Gain hands-on experience in field research, group work and leadership

You'll learn to

- apply geographical concepts to understand change in human and physical environments
- explain the geographical causes and consequences of environmental and social issues, like climate change, resource scarcity, urbanisation and sustainability
- apply methods to investigate and interpret spatial processes and patterns in physical environments
- communicate geographical perspectives and knowledge to specialist and non-specialist audiences
- develop the knowledge and skills required for employment in careers related to geography

Bachelor's degree: Science or Philosophy (Honours)

Prerequisites:

- Mathematics Methods ATAR

Trending second majors: Applied Human Geography, Agricultural Technology, Environmental Science

uwa.edu.au/study/geographical-sciences

Wildlife Conservation
(Extended Major)

Career opportunities

Conservation Officer, Fauna Consultant, Wildlife Officer, Zoologist

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 investigate animal diversity, ecology, behaviour and physiology, both in the classroom and out in the field.

Why study this course at UWA

- 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 non-government organisations
- Australia's fauna is megadiverse, and is home to almost half our animal species
- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)

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

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

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

MAJORS IN BIOLOGY AND CHEMISTRY

Anatomy and Human Biology

Career opportunities

Anatomist, Biological Anthropologist, Clinical Research Assistant, Reproductive Technologist

This 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, cells, genetics, variation and evolution, reproduction, and embryology and growth. This major is relevant for any profession that deals with the human biological condition and sufficiently versatile for a multitude of careers.

Why study this course at UWA

- Discover how and why your body works, where people come from and how we are related
- UWA is ranked 1st in Australia for Biological Sciences (ARWU 2023) and 3rd in Australia for Anatomy and Physiology (QS 2023)
- Learn from award-winning teaching staff and internationally renowned researchers

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
- understand how humans respond to changing environments, due to factors like climate change and pandemics

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

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

Trending second majors: Neuroscience, Physiology, Sport Science

uwa.edu.au/study/anatomy-and-human-biology

Biochemistry and Molecular Biology

Career opportunities

Biochemist, Biotechnologist, Clinical Scientist, Forensic Scientist, Nanotechnologist, Pharmacist*

What are genes? What goes wrong in a cancer cell? If you want the answers to these questions then this major may be for you. You'll gain an insight into the mechanisms of evolution, growth, development, reproduction and disease, plus tools to improve quality of life.

Why study this course at UWA

- Molecular biologists are in demand for careers in the environmental, life and health sciences
- Gain experience in advanced laboratory methods using modern equipment and techniques
- Understand the molecular functions of all living organisms through a dynamic program of interactive instruction

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
- gain laboratory skills including solution preparation, qualitative and quantitative analytical methods, and operation of laboratory equipment
- effectively communicate biochemical and molecular biological knowledge in both written and oral forms

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

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**

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

Recommended subject: Biology ATAR or Human Biology ATAR**

uwa.edu.au/study/biochemistry-and-molecular-biology

*Postgraduate study required

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

Biochemistry of Nutrition (Extended Major)

Career opportunities

Clinical Dietitian, Food and Nutrition Sales, Food Technologist, Health and Diet Advisor, Health Promotion Officer, Nutritional Biochemist

Are you interested in the role of nutrition in reducing morbidity and improving health? The Biochemistry of Nutrition major combines physiology, human biology, microbiology, chemistry, molecular biology, and biochemistry and applies these sciences specifically, to the study of health, diet, nutrition, disease, and the connections that exist among them.

Why study this course at UWA

- 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

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

Bachelor's degree: Molecular Sciences or Philosophy (Honours)

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 subject: Biology ATAR or Human Biology ATAR*

uwa.edu.au/study/biochemistry-of-nutrition

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

Biodiversity and Evolution (Extended Major)

Career opportunities

Conservation Officer, Environmental Consultant, Wildlife Manager

This major is designed for students interested in understanding the evolution and maintenance of the outstanding biodiversity that exists in Australia, with a special emphasis on WA, a globally recognised hotspot of exceptional terrestrial biodiversity. You'll explore the basics of animal and plant biology and how these systems have evolved, adapted and diversified.

Why study this course at UWA

- Opportunity to study animals, plants and their diverse habitats in both the classroom and in the field
- Gain discipline-specific expertise and practical skills from world-leading academics and industry partners
- This major will prepare you for entry into Honours in Zoology and the Master of Biological Science

You'll learn to

- explain the major differences in the development, structure, functioning and diversity of animals and plants in a phylogenetic context
- explain broad patterns of global biodiversity and the evolutionary history of Australia's biodiversity
- explain how animals and plants function in different environments using evolutionary, physiological, ecological and molecular genetic concepts
- develop and apply relevant employability skills for roles related to biodiversity and evolution

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

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/biodiversity-and-evolution

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

Botany

Career opportunities

Botanist, Conservation Biologist, Ecologist, Environmental Scientist, Research Scientist

Botany is an ideal major if you're enthusiastic about Australia's native flora, improving and enhancing agricultural crops and are interested in ecosystem restoration, plant conservation and sustainability. Botanists study how plants evolve and adapt to changing climates and environments and have a proactive role in mitigating biodiversity loss.

Why study this course at UWA

- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)
- UWA offers WA's only Botany major, entirely focussed on plants
- The Botany major emphasises field experience, including trips to a diversity of places that develops hands-on experience working with government, industry, traditional owners, and consultancies

You'll learn to

- understand plant structure, functioning, adaptation, diversity and evolution
- appreciate the pivotal relationship between plants and their environment
- demonstrate a knowledge of basic plant processes at different levels, from the molecular to whole plant scale through to populations, communities and ecosystems
- be conversant in the terminology, issues and practice of the core principles of plant science, including their diversity, ecology, genetics, and evolution, as well as plant physiology and adaptation to their environments
- undertake field surveys, conduct plant trials, identify plants, analyse data, and communicate findings

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Environmental Science; Genetics; Marine Biology; Zoology

Recommended subject: Chemistry ATAR

uwa.edu.au/study/botany

Chemistry

Career opportunities

Analytical Chemist, Environmental Scientist, Materials Scientist, Polymer Chemist

Chemistry graduates are trained to address the world's challenges, from the identification of the structure and properties of natural products to the synthesis of new medicines, the design of new materials and the detection and identification of pollutants. Research in chemistry underpins all aspects of molecular science.

Why study this course at UWA

- Learn all major aspects of the field, including inorganic, organic and organometallic chemistry, catalysis, medicinal and biological chemistry, materials science and nanotechnology, polymer chemistry, analytical chemistry, and workplace operation and safety
- Get hands-on practical learning in modern, well-appointed laboratories, as well as opportunities for research experience
- Graduate with extensive career options in a wide range of industries

You'll learn to

- understand the structure, properties and reactions of molecules and materials
- carry out chemical transformations over a range of scales, and gain experience in laboratory and workplace safety
- use advanced analytical instrumentation and spectroscopic methods to identify molecular structure and function
- develop practical skills and research strategies to solve problems using the chemical sciences

Bachelor's degree: Science or Philosophy (Honours)

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 subject: Mathematics Specialist ATAR

uwa.edu.au/study/chemistry

Conservation Biology

Career opportunities

Conservation Biologist, Conservation Officer, Environmental Consultant

In this major, you'll focus on how to protect and restore biodiversity, and gain theoretical and practical knowledge and skills to understand and minimise the human impacts on natural ecosystems. The major includes several field trips including one to the highly diverse South Coast Region near Albany where you'll interact with world experts in conservation sciences.

Why study this course at UWA

- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)
- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world and especially renowned for its high plant diversity
- Many of the units in the major have been designed with input from or collaboration with experts from the local Conservation Industry (e.g. DBCA), ensuring the major incorporates essential skills, providing you with important connections for future jobs

You'll learn to

- understand global biodiversity and its distribution, and the evolutionary history of biodiversity in Australia, as well as particular species and communities that are highly threatened
- 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
- demonstrate the analytical and communication skills for modern conservation research

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Botany; Environmental Science; Marine Biology; Zoology

Recommended subject: Chemistry ATAR

uwa.edu.au/study/conservation-biology

Genetics

Career opportunities

Agricultural Scientist, Biotechnologist, Conservation Biologist, Forensic Scientist, Genetic Counsellor, Geneticist

Genetics is the study of biologically inherited traits as diverse as those that cause human disease, allow a rare plant to live in a single, isolated location, or result in a desirable characteristic found in a domestic animal or agricultural crop. Your studies in genetics involve the analysis of DNA and the many ways in which it is expressed. This major delivers a broad overview of the universal principles, potentials and problems associated with DNA-based life, and provides you with the essential skills of a geneticist.

Why study this course at UWA

- Benefit from hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations
- Open up to various career opportunities in agriculture, biochemistry, botany, conservation biology, genetics, genomics, medical fields, synthetic biology and more

You'll learn to

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

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

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*

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

Recommended subject: Biology ATAR or Human Biology ATAR*

uwa.edu.au/study/genetics

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

Geochemistry (Extended Major)

Career opportunities

Environmental Chemist, Geochemist, Geologist, Geoscientist

Applying chemistry to understand Earth's system and processes is increasingly important in mineral exploration or for managing groundwater. Geochemistry is used to understand how petroleum and mineral systems operate 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 at UWA

- Gain skills in geochemistry to generate environmental and mineral exploration solutions
- Have the opportunity to conduct research and learn from real-world samples and data
- Be connected with research teams and their industry collaborators across the country
- Have access to leading facilities for research and field-based activities
- This major addresses the growing skills demand in WA 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

Bachelor's degree: Earth Sciences or Philosophy (Honours)

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/geochemistry

Marine Biology

Career opportunities

Marine Biologist, Marine Conservation Biologist, Marine Environmental Consultant

This major introduces you to the biodiversity hotspot on our doorstep through hands-on laboratory sessions, field trips and computer-based exercises. You'll experience our unique marine life, learn how they interact with their environment and respond to threats such as climate change, exploitation and depleting natural resources, equipping you to tackle these problems in the real world.

Why study this course at UWA

- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023) and 2nd in Australia and 29th in the world for Earth and Marine Sciences (QS 2023)
- Access to brand new facilities and resources unique to Australia that are used across our marine studies
- We have a dedicated team of internationally recognised academics that have extensive knowledge on how we can both protect and use our rich marine 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

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Conservation Biology; Environmental Science; Zoology

uwa.edu.au/study/marine-biology

Molecular Life Sciences (Extended Major)

Career opportunities

Biochemist, Geneticist, Molecular Biologist, Plant, Animal, and/or Microbial Scientist, Science Educator

This major will help you develop an understanding of the biochemistry, molecular biology and genetics of all living organisms. Emphasis is placed on developing and practicing the laboratory skills and technologies of cutting-edge molecular life sciences. Through both theoretical knowledge and practical experience, you'll gain tools that will allow you to meet global challenges.

Why study this course at UWA

- Learn about the most recent advances in the molecular life sciences, how they affect our everyday lives and how we can use this knowledge to solve global challenges
- You'll experience hands-on learning in 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 solid understanding of the theoretical basis of biochemistry, molecular biology and genetics in animals, plants, and microorganisms
- gain technical competency and practical skills in state-of-the-art molecular techniques
- develop and demonstrate your skills in critical thinking, experimental design, data analysis and interpretation

Bachelor's degree: Molecular Sciences or Philosophy (Honours)

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

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

Plant Biology (Extended Major)

Career opportunities

Agricultural Scientist, Food Scientist, Plant Breeder

Plant Biology is an exciting and rapidly developing discipline, with many applications in fields as diverse as agriculture, conservation biology, marine biology and developing biological solutions to environmental problems. You'll learn to apply scientific knowledge from botany, molecular sciences and genetics, working on applications to real-world problems such as how plants adapt to climate change and how to produce healthier and more sustainable foods for the future.

Why study this course at UWA

- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world
- We'll provide you the environment to build technical skills and valuable connections through hands-on learning in the laboratory and in the field
- Gain the skills and knowledge to accelerate you into a diverse range of career pathways

You'll learn to

- describe the development, structure and functioning of plants from the molecular scale through to the whole plant
- demonstrate competency in scientific methodologies such as field and laboratory sampling, experimentation and data analysis
- understand the different ways genome sequencing, editing, diversity and evolution are used to solve fundamental and applied problems in plant sciences

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

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/plant-biology

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

Wildlife Conservation
(Extended Major)

Career opportunities
Conservation Officer, Fauna Consultant, Wildlife Officer, Zoologist

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 investigate animal diversity, ecology, behaviour and physiology, both in the classroom and out in the field.

Why study this course at UWA
- Australia needs skilled graduates to fill roles in state agencies and conservation non-government organisations addressing the challenges of preserving its endangered fauna
- Australia's fauna is megadiverse, and is home to almost half our animal species
- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)

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

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

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

Zoology

Career opportunities
Zoologist, Environmental Consultant, Researcher

This major will provide you with the opportunity to study animals and their habitats. Zoologists discover the solutions to the problems presented by these habitats. They also study physiology, reproduction, behaviour, community ecology, genetics and evolution. 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 at UWA
- UWA is ranked 1st in Australia and 32nd in the world for Biological Sciences (ARWU 2023)
- You'll gain a 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

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Botany; Marine Science

Recommended subject: Chemistry ATAR

uwa.edu.au/study/zoology

MAJORS IN EARTH AND OCEANS

Geochemistry (Extended Major)

Career opportunities

Environmental Chemist, Geochemist, Geologist, Geoscientist

Applying chemistry to understand Earth's system and processes is increasingly important in mineral exploration or for managing groundwater. Geochemistry is used to understand how petroleum and mineral systems operate 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 at UWA

- Gain skills in geochemistry to generate environmental and mineral exploration solutions
- Have the opportunity to conduct research and learn from real-world samples and data
- Be connected with research teams and their industry collaborators across the country
- Have access to leading facilities for research and field-based activities
- This major addresses the growing skills demand in WA 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

Bachelor's degree: Earth Sciences or Philosophy (Honours)

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/geochemistry

Geographical and Spatial Science (Extended Major)

Career opportunities

Environmental Consultant, GIS Officer, GIS Analyst Remote Sensing Specialist

This major will prepare you for employment in areas related to marine and coastal science, geography and spatial sciences, catchment and water processes, and environmental management. You'll develop expertise in the use of geographic information and spatial analysis techniques using Geographic Information Systems (GIS) and remote sensing technologies.

Why study this course at UWA

- UWA is ranked 2nd in Australia and 38th in the world for Environmental Sciences and Engineering (ARWU 2023)
- Graduates equipped with GIS and spatial science expertise are highly sought-after in industry and often receive premium salaries
- Opportunity to specialise in spatial sciences which can lead you to a rewarding career across a broad range of industries
- This major is an established pathway to postgraduate study in UWA's Master of Environmental Science

You'll learn to

- apply geographical concepts to understand changes in human and physical environments
- understand and communicate geographical causes, consequences and solutions to global challenges
- implement technical skills in GIS and remote sensing to interpret spatial processes and patterns
- use written, oral and visual skills to communicate geographical perspective, knowledge and solutions
- understand Indigenous perspectives and traditional knowledge as part of the solutions to addressing major environmental challenges

Bachelor's degree: Geographical and Spatial Science or Philosophy (Honours)

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/geographical-and-spatial-science

Geographical Sciences

Career opportunities

Climate Change Adviser, Environmental Consultant, GIS Professional, Sustainability Consultant

Geographical sciences is the science of place and space. In this major, you'll develop an understanding of environmental processes including atmospheric, aquatic, terrestrial and anthropogenic interactions. Graduates of this major work in positions that require an understanding of and the science behind, complex human-environment interactions. You'll use this understanding and spatial information to solve the world's big challenges.

Why study this course at UWA

- Learn skills in a range of research techniques, including fieldwork, survey design, statistical analysis and spatial data analysis
- Study near the South West of WA, one of only 36 'biodiversity hotspots' in the world
- Gain hands-on experience in field research, group work and leadership

You'll learn to

- apply geographical concepts to understand change in human and physical environments
- explain the geographical causes and consequences of environmental and social issues, like climate change, resource scarcity, urbanisation and sustainability
- apply methods to investigate and interpret spatial processes and patterns in physical environments
- communicate geographical perspectives and knowledge to specialist and non-specialist audiences
- develop the knowledge and skills required for employment in careers related to geography

Bachelor's degree: Science or Philosophy (Honours)

Prerequisites:

- Mathematics Methods ATAR

Trending second majors: Applied Human Geography, Agricultural Technology, Environmental Science

uwa.edu.au/study/geographical-sciences

Geology

Career opportunities

Environmental Consultant, Geologist, Geophysicist

In this major, you'll learn how the application of knowledge about Earth's processes and time scales is fundamental to locating resources such as groundwater, petroleum and minerals, as well as understanding climate and other environmental changes.

Why study this course at UWA

- WA is home to vast ancient landscapes, dynamic coastlines, and major mineral, energy and groundwater resources; making UWA the ideal place to study geology
- Opportunity to gain strong technical and professional skills through practical laboratory activities and field-based experiential learning
- You'll be taught by world-class researchers who undertake fundamental geoscience research in collaboration with many companies based in Perth; providing you with significant opportunities to gain important employability skills

You'll learn to

- understand key geological concepts and major geological processes operating at local, global and diverse temporal scales
- demonstrate practical skills to solve geological problems, with emphasis on fundamental fieldwork skills
- interpret and integrate geoscience data to solve geoscience problems
- communicate geoscience interpretations and models in graphical, written and oral forms

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Economics; Environmental Management; Environmental Science

uwa.edu.au/study/geology

Integrated Earth and Marine Sciences (Extended Major)

Career opportunities

Environmental Scientist, Geoscientist, Marine Geoscientist

This 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 at UWA

- Within Australia, this is the only major that integrates Earth and Marine Sciences, providing a unique set of skills nationally
- Learning in the major is led by UWA's research strength in this discipline, and will connect you with world-class research teams
- This major will provide a high level of interdisciplinary skills for the nation's future leaders working in research and sustainability industries

You'll learn to

- collect geoscientific data on land, at sea or 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

Bachelor's degree: Earth Sciences or Philosophy (Honours)

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

Marine and Coastal Processes

Career opportunities

Coastal Land Care Officer, Environmental Scientist, Marine and Coastal Consultant, Marine Scientist

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; so that you can apply this knowledge to ensure coastal communities and marine ecosystems remain resilient in the future.

Why study this course at UWA

- UWA is ranked 29th in the world for Earth and Marine Sciences (QS 2023) and 26th in the world for Oceanography (ARWU 2023)
- Learning in this major is led by UWA's global experts who have access to one of the largest pools of marine field instrumentation in Australia
- Opportunity to learn the knowledge and skills required to develop solutions to the threats facing our marine and coastal environments such as climate change and ocean pollution

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 to address real-world problems

Bachelor's degree: Science or Philosophy (Honours)

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

Marine Biology

Career opportunities

Marine Biologist, Marine Conservation Biologist, Marine Environmental Consultant

This major introduces you to the biodiversity hotspot on our doorstep through hands-on laboratory sessions, field trips and computer-based exercises. You'll experience our unique marine life, learn how they interact with their environment and respond to threats such as climate change, exploitation and depleting natural resources, equipping you to tackle these problems in the real world.

Why study this course at UWA

- UWA is ranked 2nd in Australia and 29th in the world in Earth and Marine Sciences (QS 2023)
- Access to brand new facilities and resources unique to Australia that are used across our marine studies
- We have a dedicated team of internationally recognised academics that have extensive knowledge on how we can both protect and use our rich marine 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

Bachelor's degree: Science or Philosophy (Honours)

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

Trending second majors: Conservation Biology; Environmental Science; Zoology

uwa.edu.au/study/marine-biology

Marine Science (Extended Major)

Career opportunities

Coastal Officer/Planner, Marine Conservationist, Marine Environment Consultant, Marine Park Ranger

This 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 Marine and Coastal Processes majors. WA'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 at UWA

- UWA is ranked 2nd in Australia and 29th in the world in Earth and Marine Sciences (QS 2023)
- Access to 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 globally recognised experts, encouraging research-based inquiry through cutting-edge science
- This interdisciplinary major provides you 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

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

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

MAJORS IN
PHYSICS AND MATHEMATICS

Mathematics

Career Opportunities

Consultant, Industrial Modeller, Financial Analyst, Data Scientist, Cryptographer, Teacher*

Mathematics is humanity's most powerful tool for comprehending the universe and is essential for many fields of modern endeavour such as science, technology, engineering and finance. In this major, develop a strong analytical and problem-solving skills, reasoning abilities, and a foundation in mathematics. You'll be equipped with a versatile skill set that prepares you for diverse career paths, including academia, research, finance, data analysis, engineering, and technology.

Why study this course at UWA

- UWA is one of the leading universities in Australia and Mathematics is recognised for its high-quality education
- Mathematics provides you with a solid foundation in mathematical principles, as well as the ability to apply these principles in real-world contexts which makes graduates highly valuable to employers
- UWA is home to world-class researchers in mathematics, offering you the opportunity to work alongside these researchers on cutting-edge projects

You'll learn to

- explain mathematical concepts and principles that underpin a wide range of applications
- investigate physical, numerical and theoretical problems using appropriate mathematical techniques
- demonstrate an understanding of axiomatic systems and the fundamentals of mathematics, by applying abstract reasoning, rigour and logical deduction
- apply the power of mathematics to model and understand the real world

Bachelor's degree: Science or Philosophy (Honours)

Trending second majors: Physics, Computing and Data Science, Statistics, Computer Science, Finance, Data Science

uwa.edu.au/study/b/math

*Postgraduate study may be required

Mathematics (Extended Major)

Career Opportunities

Mathematician, Researcher/Academician, Industrial Modeller, Financial Analyst, Data Scientist, Teacher*

This extended major will provide you with a solid foundation in Mathematics, preparing you to emerge as the next generation of accomplished mathematicians. It has been tailored to help you develop critical thinking, problem-solving, and analytical skills that are highly sought after in a variety of fields.

Why study this course at UWA

- UWA is home to world-class researchers in mathematics and you'll have the opportunity to work alongside these researchers on cutting-edge projects.
- You'll gain valuable research experience, as well as the opportunity to develop strong relationships with academics who can serve as mentors and references in the future.
- UWA is one of the leading universities in Australia and Mathematics is recognised for its high-quality education
- This major will equip you with foundational knowledge in mathematics that will allow you to pursue engaging careers in research, teaching, or industry

You'll learn to

- explain mathematical concepts and principles that underpin a wide range of applications
- explore physical, numerical and theoretical challenges using appropriate mathematical techniques
- demonstrate an understanding of axiomatic systems and the fundamentals of mathematics through abstract reasoning, rigour and logical deduction
- apply the power of mathematics to model and understand the real world

Bachelor's degree: Mathematics or Philosophy (Honours)

Prerequisites: Mathematics Specialist ATAR and Mathematics Methods ATAR with mathematics unit taken in the first year

uwa.edu.au/study/b/math

*Postgraduate study may be required

Physics

Career opportunities

Astronomer, Geophysicist, Physicist, Research Scientist

Physics examines the world around us at the most fundamental level, from the origin and fate of the universe, to the behaviour of matter on subatomic length scales – and everything in between. This major gives you access to the frontiers of modern physics via a focus on mathematical, experimental and computational skills. These skills are required to access modern physics, including the key pillars of relativity and quantum physics with applications to atomic, molecular, nuclear and particle physics, condensed matter physics, photonics and astrophysics.

Why study this course at UWA

- The study of physics is needed to understand most advanced technologies, whether it's the latest satellite or a new type of laser
- it's an incredibly exciting time for physics – on the horizon is a global race to make the first universal quantum computer, while ultra-sensitive experiments are in search of dark matter and dark energy
- Benefit from our strong foundation for research in the most recent Excellence in Research for Australia ranking (ERA), scoring 5 out of 5 in all areas assessed

You'll learn to

- develop conceptual understanding of the physical principles underpinning a wide range of applications
- develop and apply increasing levels of critical thinking skills in a range of physical situations
- apply increasing levels of mathematics in the expression and communication of physical concepts

Bachelor's degree: Science or Philosophy (Honours)

Prerequisites:

- Mathematics Specialist ATAR OR Mathematics Methods ATAR with mathematics unit taken in the first year
- Physics ATAR OR a physics unit taken in the first year

Trending second majors: Computer Science, Mathematics and Statistics

Recommended subjects: Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR.

uwa.edu.au/study/physics

Statistics

Career opportunities

Data Analyst, Statistical Consultant, Finance/ Risk Analyst, Marketing Analyst, Epidemiologist, Biostatistician, Climatologist/Meteorologist

Statistics provides you with a comprehensive understanding of statistical theory, methods, and applications. You'll develop strong analytical and problem-solving skills, gaining expertise in data analysis, experimental design, probability, and inferential statistics.

Why study this course at UWA

- The Centre of Applied Statistics has an active research and consulting service that provides advice and consultation both across campus and to external research institutes such as Perth Children's Hospital, Victor Chang Cardiac Research Institute and the Mindaroo Foundation
- UWA statistical staff are central to numerous Australia Research Council Industrial Transformation Programmes, with external partners from the energy and engineering industries (e.g. Shell, Woodside, Rio Tinto, Alcoa), certification and insurance industries (Lloyds Register Foundation, Bureau Veritas), and Australian government research institutes (Bureau of Meteorology, Department of Environment), among others

You'll learn to

- thoroughly understand statistical theory, methods and applications
- gain strong analytical and problem-solving skills
- understand ethical considerations in statitsical analysis

Bachelor's degree: Science or Philosophy (Honours)

Trending second majors: Mathematics, Physics, Data Science, Computer Science, Finance, Computing and Data Science

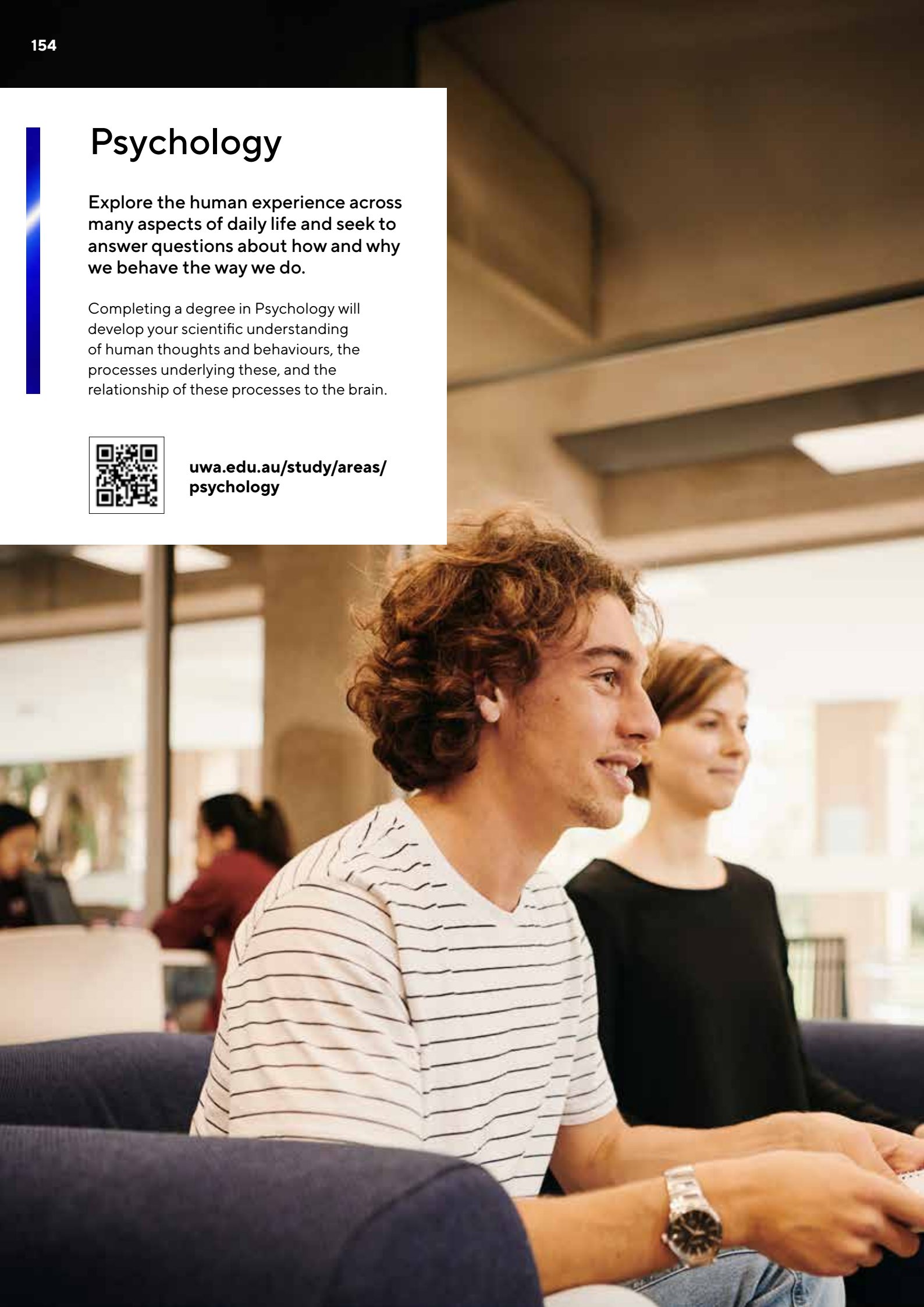
uwa.edu.au/study/stats

Psychology

Explore the human experience across many aspects of daily life and seek to answer questions about how and why we behave the way we do.

Completing a degree in Psychology will develop your scientific understanding of human thoughts and behaviours, the processes underlying these, and the relationship of these processes to the brain.

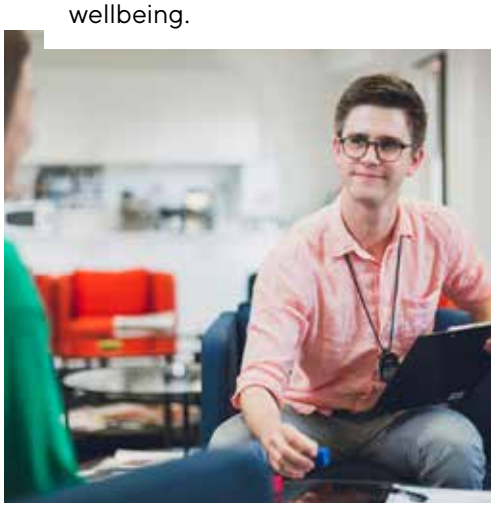
uwa.edu.au/study/areas/psychology



Top five reasons to study Psychology at UWA

1. **Ranked 1st in WA** for Psychology (ARWU 2023)
2. Research consistently rated as **'well above world standard'**
3. **Learn with research leaders** who are doing the research that informs our understanding and practice of psychology
4. Options to take **psychology as part of a comprehensive degree** and pair with another major, focus more on psychology in the Bachelor of Psychology or choose a combined bachelor's degree
5. Continuing postgraduate pathways at UWA in both **professional, accredited programs** (e.g. clinical, industrial and organisational psychology) and **non-accredited options to upskill** (e.g. business psychology)

Psychology is all about understanding our thoughts, feelings, and behaviour, how they relate to the brain, and how we relate to others, psychology lets us understand why we do what we do. Psychology also helps us understand how we can work better and design work around people; why individuals and groups end up in conflict, and how that conflict can potentially be avoided; and how we can support mental wellbeing.



You'll learn about theory and practice in areas such as clinical psychology, social psychology, neuropsychology, cognitive neuroscience, developmental psychology, cognition, perception, psychopathology, and industrial and organisational psychology.

The universal nature of psychology means it complements any kind of study.

SPECIALISED DEGREE

Bachelor of Psychology

Minimum ATAR 80 or equivalent
Intake months February and July
Completion 3 years full time or part-time equivalent

Career opportunities

Psychologist*, Social Welfare, Human Resources

Psychology is all about understanding our thoughts, feelings, and behaviour – how they relate to the brain, and how we relate to others, psychology lets us understand why we do what we do. At the undergraduate level, studies are structured along four streams of psychology.

- **Typical and Atypical Development** – how do psychological abilities develop through the lifespan and how are psychological processes affected by ageing, brain damage and disease?
- **Groups and Organisations** – how do our psychological abilities impact on processes that govern our relationships between people and groups in society? How do you optimise human performance in a work setting?
- **Cognition and Perception** – how do our brains interpret input from the world? How do we perceive, think, remember and decide?
- **Research Methods** – how do you measure psychological constructs such as intelligence, personality traits and social skills?

Why study this degree at UWA

- The Bachelor of Psychology is accredited by the Australian Psychology Accreditation Council (APAC). Students hoping to pursue further study at postgraduate level, leading to professional accreditation as a psychologist, will need to complete an accredited program.
- UWA is ranked first in WA for psychology (ARWU 2023)
- A psychology degree is one that is increasingly valued by employers for the analytical and reasoning skills it gives you
- Have the opportunity to use cutting-edge technology and tools and gain practical exposure

You'll learn to

- apply psychological principles to personal, social and group issues
- plan, implement and evaluate research
- think critically and creatively, and use scientific methods to solve problems
- communicate effectively in a variety of formats and settings
- act professionally within an ethical framework

Major

- **Psychology (Extended Major)**

You can also take this degree as a combined bachelor's

- Bachelor of Psychology and Bachelor of Arts

Minimum ATAR: 85 or equivalent

- Bachelor of Psychology and Bachelor of Commerce

Minimum ATAR: 88 or equivalent

uwa.edu.au/study/b/psychology

*Postgraduate study and/or further training is required to register as a Psychologist in Australia.

MAJORS IN PSYCHOLOGY

Psychology (Extended Major)

Career opportunities

Psychologist*, Youth Justice Officer, Mental Health Officer

This 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. There's an emphasis on the measurement of psychological abilities, how these develop through the lifespan, and the processes that govern the relationships between people and groups in society. You'll also develop an understanding of how psychological processes are affected by ageing, brain damage and disease.

Why study this course at UWA

- UWA is ranked 1st in WA for Psychology (ARWU 2023)
- This three-year undergraduate major in psychology is accredited by the Australian Psychology Accreditation Council (APAC). Completion of this major will allow you to apply for further study in Psychology leading to professional accreditation as a Psychologist
- This major contains extensive psychology units and key units from allied disciplines

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

Bachelor's degree: Psychology or Philosophy (Honours)

uwa.edu.au/study/psychology

*Postgraduate study and/or further training is required to register as a Psychologist in Australia.

Psychological and Behavioural Sciences

Career opportunities

Psychologist*, Child Protection Agent, Counsellor

This major provides a core understanding of the scientific discipline of psychology. You'll develop an understanding of the cognitive and neural processes underlying behaviour, research methods in psychology, the measurement of psychological behaviour and abilities, the development of knowledge and abilities across the lifespan, and the processes that govern the relationships between people and groups in a multicultural society.

Why study this course at UWA

- Learn from experts who operate at the cutting edge of the discipline. We don't just teach the textbooks, we conduct the work in the textbooks
- Our clinical programs are recognised as among the very best in the country, and we have extensive networks with clinical service providers
- This major is Accredited by the Australian Psychology Accreditation Council (APAC) when taken in one of our comprehensive degrees

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

Bachelor's degree: Arts, Biomedical Science, Business, Commerce, Environmental Design, Science, Philosophy (Honours)

Trending second majors: Aboriginal Health and Wellbeing; Criminology; Law and Society, Marketing; Neuroscience

uwa.edu.au/study/psychological-and-behavioural-sciences

*Postgraduate study and/or further training is required to register as a Psychologist in Australia.

“Experience-based entry is a fantastic way for people who have other talents or interests outside of study to be able to get accepted into the university of their choice. I personally loved having an alternative option to be accepted into UWA after not getting the ATAR required.”

LIBBY
BACHELOR OF COMMERCE

“I really loved the idea of getting more than a degree. I had been involved in volunteering before joining UWA’s Student Ambassador Leadership Program and this was a unique opportunity to volunteer, show my pride in UWA and share my experience with future students”

JUAN
BACHELOR OF SCIENCE

COMPREHENSIVE DEGREE

Bachelor of Philosophy (Honours)

Minimum ATAR 98 or equivalent
Intake month February
Completion 4 years full time or part-time equivalent

Career opportunities

Graduates of this course have a wealth of career opportunities. Many choose to pursue postgraduate research or courses leading to professional qualifications. Whatever you choose, you'll be highly employable on graduation. Recent graduates have taken jobs in top-tier consulting companies, as engineers and analysts with companies such as Woodside and Rio Tinto, in investment banking, at the Reserve Bank, and in graduate programs with government departments such as the Department of Finance, Department of Premier and Cabinet, and the Productivity Commission.

This innovative and inspiring course for high-achieving students offers an individually designed program in your chosen area of specialisation. You can choose almost any major and will also receive intensive research training, academic mentoring, and professional skills development and have the opportunity to learn a language and study abroad.

Why study this degree at UWA

- You'll have access to individual mentoring from leading researchers and a network of talented alumni
- The research training embedded throughout the course will ensure you develop high-level skills to address global challenges in your chosen field
- You'll expand your international connections and cross-cultural knowledge through a scholarship-supported study abroad experience

You'll learn to

- identify and solve complex problems
- independently manage and lead projects
- communicate effectively across a range of platforms

uwa.edu.au/study/b/philosophy

We're here for you

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, study skills workshops (STUDYSmarter), 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 support from the UWA team to help you settle into uni life.

Health and wellbeing

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

You can also drop into The Living Room - a welcoming and inclusive space for peer support and easy access to campus health services.

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

Your home away from home

There are many options for quality accommodation close to the UWA campus. Explore a range of accommodation options, all located within close proximity to the campus, cafés, shops and the city.

Live 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.

UWA Hosted Accommodation

We've partnered with homestay agencies, to provide students with the opportunity to have a seamless transition by living with UWA alumni or neighbours while adjusting to university life and a new city. With UWA Hosted Accommodation, you'll get more than just a room for rent; you'll get a rewarding experience, lifelong connections, and a warm welcome to Perth.

Live 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.

Perth city student accommodation

UWA has partnered with purpose-built student accommodation and co-living properties including Yugo Perth City, the Switch, Campus Perth, and Beatty Lodge. These options provide a community living experience, fostering greater independence for students. All are conveniently located close to public transport for easy access to UWA.

uwa.edu.au/accommodation

There are five colleges to choose from:

ST GEORGE'S **COLLEGE**
STGC.UWA.EDU.AU

UNIVERSITY **HALL**
UNIHALL.UWA.EDU.AU

TRINITY RESIDENTIAL **COLLEGE**
TRC.UWA.EDU.AU

ST CATHERINE'S **COLLEGE**
STCATHERINES.UWA.EDU.AU

ST THOMAS MORE **COLLEGE**
STMC.UWA.EDU.AU

Scholarships and prizes

We have hundreds of scholarships that can help you with the cost of study, relocation and living expenses. UWA offers a range of scholarships from academic and sporting excellence, to global experience and social impact. Our scholarships focus on equity, diversity and inclusion to help realise every students' potential.

Academic excellence

Academic Excellence scholarships provide financial support to students who have been recognised for their outstanding academic results. These scholarships are available to both domestic and international students across all study areas.

Diversity, equity and inclusion

Our Equity scholarships provide opportunities to students, new or current, who experience educational disadvantage due to a variety of circumstances. These scholarships provide outcomes that help realise students' academic success.

Global Experience

Our Global Experience scholarships provide an enriched educational experience for both domestic and international students, creating new and exciting opportunities and collaborations across geographic borders.

Leadership, talent and social impact

Our Leadership and Social Impact scholarships have been created to support talented students with the potential to drive change and become the next generation of influential leaders across society, industry, sports and academia.

Each category will include a range of scholarships in areas such as Sports Excellence, Indigenous, Residential, Financial Hardship, Educational Disadvantage and Travel, among others.

UWA Fogarty Scholarships

Fifteen Scholarships are available in total for students who show significant academic potential, together with leadership responsibility and other outstanding achievements throughout year 11 and 12. The Fogarty Foundation provides holistic support through opportunities to learn, acquire skills of leadership and build social networks.

UWA Winthrop Scholarships

There are five scholarships available for students who demonstrate notable academic potential and leadership responsibility and exceptional accomplishments during year 11 and 12. The Winthrop Scholarship is also accompanied by a leadership program that builds a number of skills including leadership, communication and networking skills.

Lawrence Scholarships

Lawrence Scholarships are automatically awarded if you achieve an ATAR score of 99.95 or over. There are twenty scholarships available.

$400,000 in prizes awarded to students each year

We like to recognise our students' outstanding academic achievements. There is a range of prizes awarded to UWA students, based on the results achieved in the previous academic year.

Find out more uwa.edu.au/study/prizes

Find out more about our scholarships and how to apply at **uwa.edu.au/study/scholarships/explore** or get in touch through **ask.uwa.edu.au**

*Scholarships listed for 2024 and subject to change in 2025.

What does it cost to study?

If you are an Australian or New Zealand citizen or holder of an Australian permanent resident visa or humanitarian visa, you'll enrol in a Commonwealth Supported Place (CSP) in your undergraduate course at UWA.

How much do you pay?

As a Commonwealth-supported student you'll pay a student contribution amount towards the cost of your course. The amount that you pay is determined by the Australian Government, based on the number of units you enrol in and the discipline of the units.

A standard full-time enrolment is normally four units per semester (eight units per year). A standard unit is worth six credit points.

For an estimate of your fees, visit **fees.uwa.edu.au/calculator**

How do you pay?

You can pay your student contribution amount upfront or defer all or part via the HECS-HELP loan scheme, if you are an Australian citizen, humanitarian visa holder or New Zealand Special Category Visa (NZ SCV) holder who meets the long-term residency requirements. HECS-HELP, an Australian Government Higher Education Loan Program (HELP), allows you to defer all or part of your student contribution until you commence employment and are earning over a certain amount.

If you are not eligible for HECS-HELP, your student contribution must be paid in full to the University.

Further information on HECS-HELP, including eligibility criteria and loan limits, is available at **studyassist.gov.au**

Student Services and Amenities Fee

The Student Services and Amenities Fee (SSAF) is a compulsory fee that directly benefits all UWA students. The fee is used to provide a range of recreational, sporting, social and educational facilities and services, including student representation. For more information, visit **uwa.edu.au/students/ssaf**

Other costs

For further information and advice on the other costs associated with your study, visit **uwa.edu.au/study/student-life/cost-of-living**

Your entry pathway to UWA

We care about where you're going in life and are here to be a part of your journey. We'll work with you to to find a way for you to join us at UWA, so you can achieve your study and career goals.

Experience-based entry

There are plenty of pathways to finding your place at UWA, with or without an ATAR. Experience-based entry allows you to apply using a combination of academic and life experiences withyour results.

TAFE qualifications, ATAR subjects, work experience,volunteering, and sporting achievements can all count towards entry into UWA's comprehensive bachelor's degrees.

Aboriginal Orientation Course

If you don't meet the entry requirements or just want to better prepare for uni study, this free 14 week course gives you entry to most bachelor's degrees and the study skills to succeed.

AccessUWA

With AccessUWA you can study individual units of your choice at UWA without having to enrol in a bachelor's degree. Upon successful completion of a minimum number of four units (24 credit points), you can apply for a comprehensive bachelor's degree based on your AccessUWA results.

Australian Tertiary Admissions Rank (ATAR)

ATAR tells you your position relative to other students in your year. It's important to remember that it's a percentage not a score. It is also the most direct way as a school leaver to get into the bachelor's degree of your choice.

Broadway UWA

If you've completed your entire Year 12 studies at a Broadway UWA school, you'll receive an automated ATAR adjustment.

Educational Access Scheme (EAS)

The Educational Access Scheme (EAS) can help you gain access to uni if you've experienced exceptional circumstances during senior secondary schooling.

Fairway UWA

If you're challenged by location, economic or other factors, complete the Fairway support program in Year 12 to gain entry to our bachelor's degrees with an ATAR of 70 or above.

First in Family

If your parents or guardians have not completed a university-level degree, you may be eligible for a place at UWA through the First in Family program.

Higher Education Study

If you have previously studied at a bachelor's degree level and have successfully completed one full-time (or equivalent) semester, you can apply for entry to UWA.

Indigenous Provisional Entry Scheme

If you're an Indigenous student and don't meet the required ATAR, or are mature-age and have a strong educational or employment background, you may be eligible for entry through this pathway.

International Baccalaureate (IB)

UWA welcomes IB students to apply and your IB score will be converted into an equivalent ATAR.

Special Tertiary Admissions Test (STAT)

The STAT is a national test that provides a pathway to tertiary study if you don't meet the formal entry requirements. You can use your results in the STAT to gain entry to select number of bachelor's degrees.

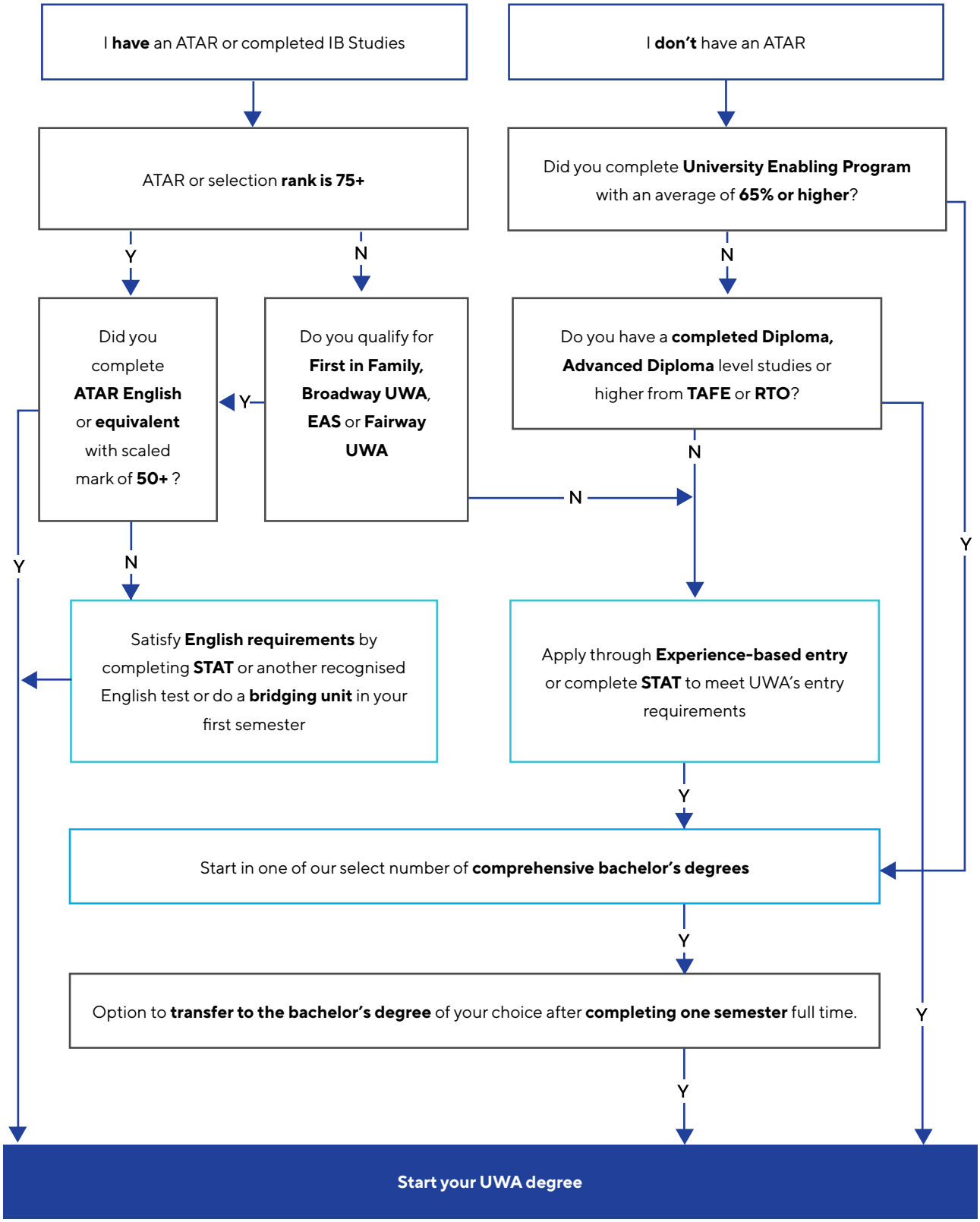
UWA Smart Start

Boost your confidence and equip yourself with the skills to succeed in your university degree course by enrolling in our unique university preparation course in Albany.

UWay

You can apply for entry to a bachelor's degree through UWay if your academic achievements have been adversely affected by certain disadvantages.

For more information on entry pathways visit uwa.edu.au/study/admission-entry-pathways



We're here to help you achieve your potential and find your pathway to UWA.

If you're not sure which entry pathway is right for you give us a call on **131 UWA (892)**, visit us on campus or go to **ask.uwa.edu.au**

This diagram is for illustration purposes, please check the entry requirements for your chosen course.

Artist: Dr Richard Barry Walley OAM ***Location****: UWA Law School courtyard*

Join us at Bilya Marlee

Bilya Marlee is home to UWA's School of Indigenous Studies and the place where Aboriginal and Torres Strait Islander students can be part of a strong, supportive, and welcoming community.

It's a place where you'll be able to strengthen your sense of Aboriginal identity and community at UWA. It's a nest from where you'll grow and thrive. Throughout your studies at UWA, you'll have access to tutoring and academic support, career advice, and wellbeing and pastoral guidance.

At UWA, we care about where you're going in life and are here to be a part of your journey. Regardless of whether your path so far includes ATAR or whether you meet the typical entry requirements of a particular course, we'll work with you to to find a way for you to join us at UWA, so you can achieve your study and career goals.

Financial support and scholarships

We're here to make sure financial constraints don't stand in the way of you joining us at UWA. If the cost of study has you worried, we can we can provide you with information about the financial support you could be entitled to. We can help you with claiming for financial assistance from ABSTUDY or applying for the many scholarships available for Indigenous students.

Indigenous study support

We want you to continue the story of Indigenous achievement at UWA. As an Indigenous student at Perth or Albany campus, you can be matched with a final-year student, postgraduate student or graduate to help tutor you throughout your chosen degree. Plus, our Bilya Marlee team are always here to help with any academic or other support you might need throughout your studies.

Get involved

As an Indigenous student, you can enjoy a range of social, cultural and sporting activities as part of the Bilya Marlee community of Indigenous students, staff and graduates.

Get in touch with us

Our School of Indigenous Studies team is available to answer all your questions. Call **08 6488 3428 or 08 6488 8691,** or email **sis@uwa.edu.au**

uwa.edu.au/study/indigenous-study

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**

2. Check entry requirements

Entry to most courses is assessed on your ATAR or equivalent, as well as English language requirements. For some courses there are additional entry requirements and/or prerequisites. For more information visit u**wa.edu.au/study**

3. Choose your entry pathway

There are many ways to join UWA – choose the UWA entry pathway that suits you best.

4. Apply online

Once you've selected your pathway, you can apply online. Application open and close dates apply to some courses. Find out more at **uwa.edu.au/how-to-apply**

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 also find out more at **uwa.edu.au/unistart**

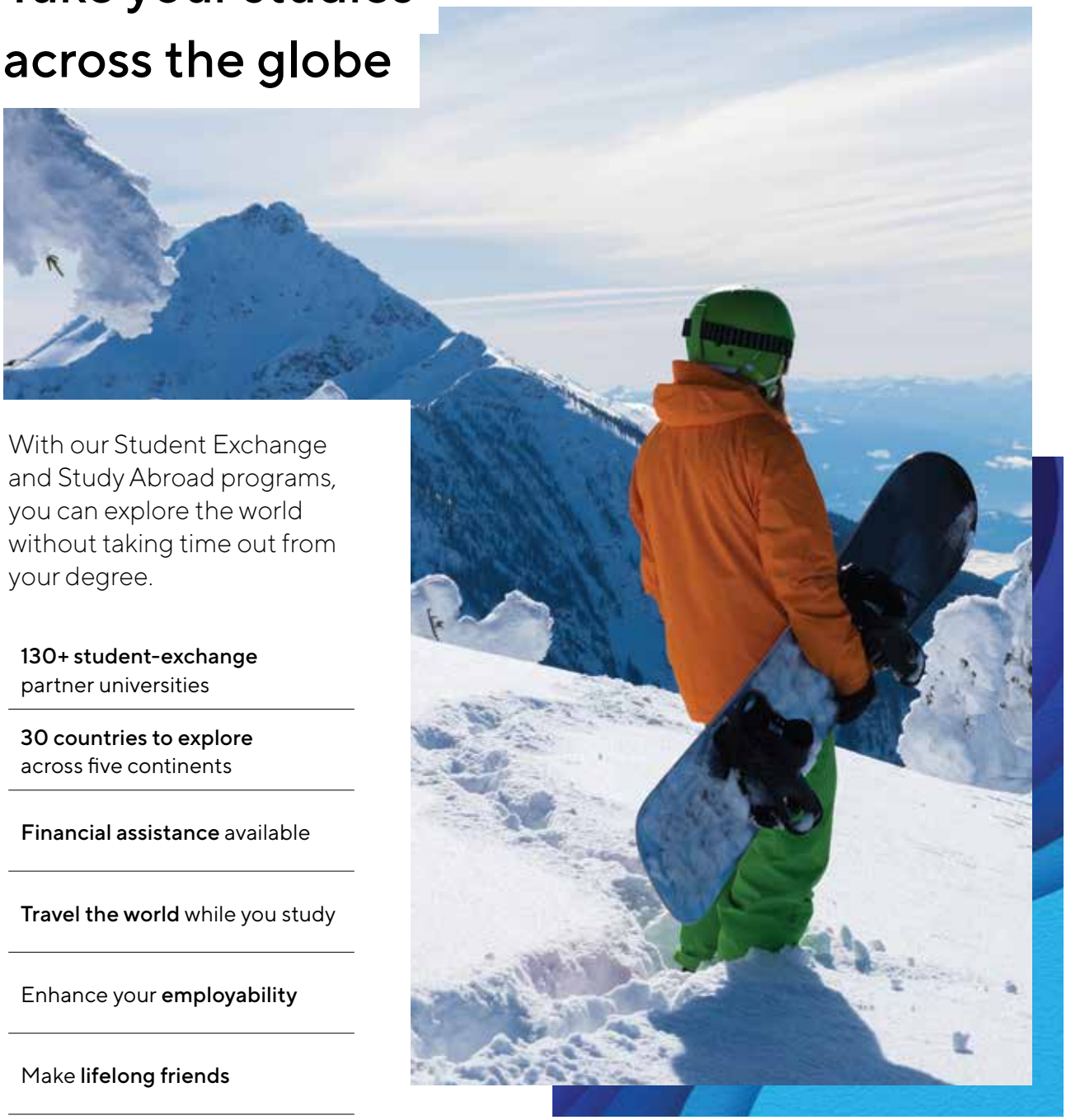
6. Accommodation

Explore your options for quality accommodation close to the UWA campus at **uwa.edu.au/accommodation**

We're here to help

If you'd like advice on what course to choose, or help with your application, contact our Future Students Centre. Call us on **131 UWA (131 892)**, or visit **ask.uwa.edu.au**

Take your studies across the globe



With our Student Exchange and Study Abroad programs, you can explore the world without taking time out from your degree.

- **130+ 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

“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

Getting to UWA

There are lots of easy options for getting to and around UWA.

Transperth's 950 'Superbus' – Perth's highest frequency service – services UWA. Running every one to four minutes during peak hour, the 950 runs between Morley Busport and QEII via UWA and Perth.

Hop on the new Purple CAT bus which provides free travel from Elizabeth Quay Bus Station to Perth Children's Hospital, Sir Charles Gairdner Hospital and UWA. Catch a train to Subiaco Station or the Perth CBD and take a UWA bus service straight to campus.

We're a cyclist-friendly campus. Our end-of-trip facilities, which include showers, toilets, lockers, benches, change rooms and clothes-drying spaces, are available at multiple campus locations and are open to all students.

transport.uwa.edu.au

Parents and guardians

If your child is in Year 10 or above, they're probably already thinking about their options after high school. The choice of whether to continue their education will be one of the most important of their life, and as a parent or guardian, you play a vital role in helping your child to understand their options.

Check out our resources for parents and guardians at **uwa.edu.au/study/for-parents**

Course index

Stay up-to-date with UWA

Get the lowdown on UWA events, our career-enhancing program, student opportunities, study tips and everything you need to know about applying.

THE UNIVERSITY OF WESTERN AUSTRALIA

Get in touch

CALL US
131 UWA (131 892)

CHAT ONLINE
uwa.edu.au/study
Mon–Fri 2–4pm (AWST)

ASK US A QUESTION
ask.uwa.edu.au

VIRTUAL CONSULT
seek.uwa.edu.au/appointments

VISIT US
Student Central,
The University of Western Australia
35 Stirling Hwy, Perth

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The information in this publication is current as at February 2024 and is subject to change.
You can find updated information on our website at **uwa.edu.au/study**

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