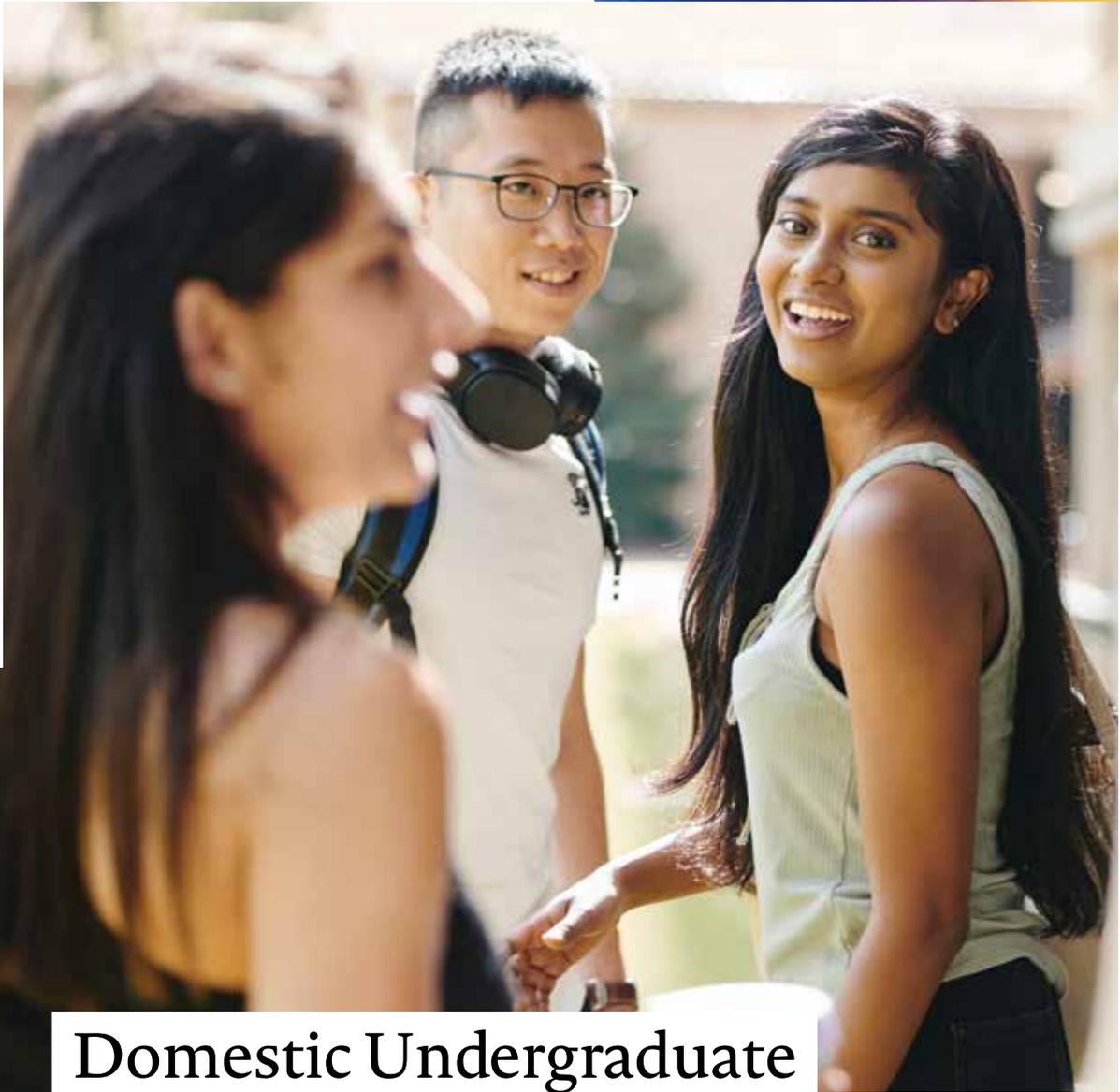




THE UNIVERSITY OF
**WESTERN
AUSTRALIA**

SEERAT, GABRIEL AND PRIYA
UWA PERTH CAMPUS



Domestic Undergraduate

Course Guide 2021

GET CAREER-READY

AT WA'S TOP UNIVERSITY

QS2020

Seek Wisdom

Study at WA's top university

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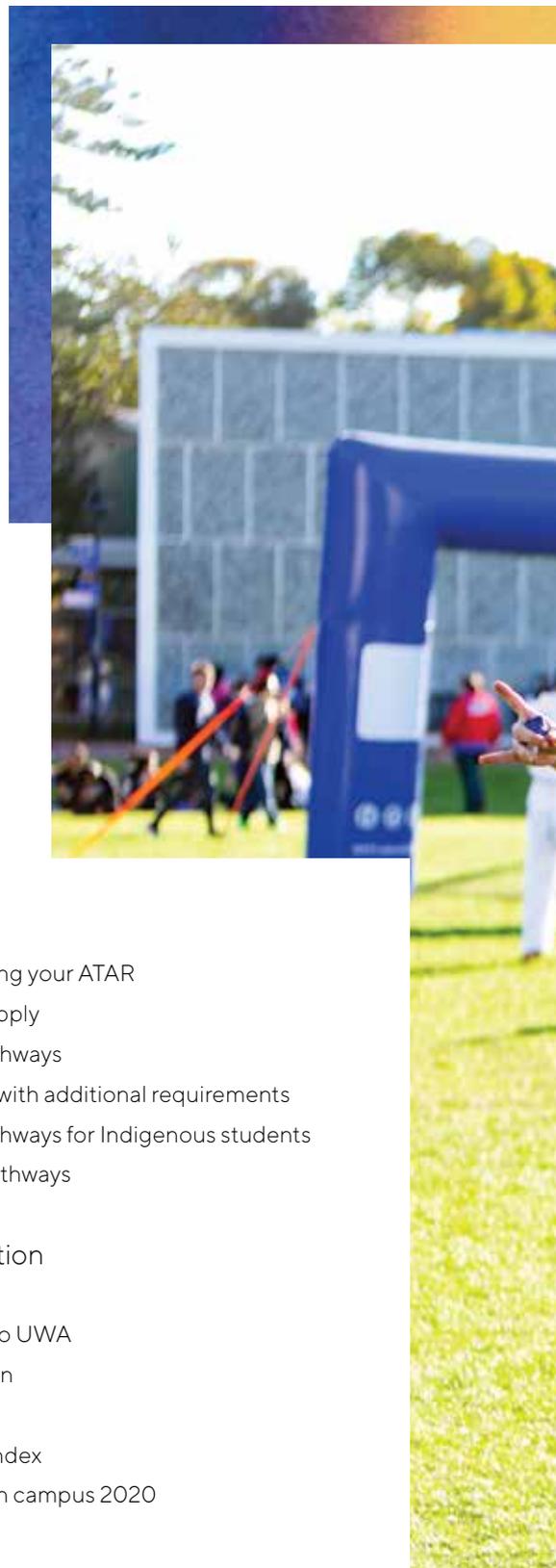
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Welcome

to our community

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

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

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



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

Launch your global career in Perth



By choosing UWA you're also choosing a city that is a hub of industry and innovation. With a thriving economy and easy access to the rest of the world, Perth is the city of opportunities.

Perth is the gateway between Australia and many international businesses. Approximately **60 PER CENT** of the world's population lives within 2.5 hours of WA's time zone (GMT +8), giving Perth better access to global resources and markets, and increased job opportunities.

32.3 PER CENT of the companies listed on the Australian Stock Exchange (ASX) have headquarters in Perth. They include the largest proportion of Australian mining companies working in Africa, Latin America, Central Asia and many other markets, giving you access to a wide range of opportunities right here in Perth.

As one of the country's **MOST AFFORDABLE CITIES**, Perth's cost of living is the envy of Australia. If you'd like to experience living on campus, UWA also offers affordable and convenient accommodation on and off campus.

GROWTH INDUSTRY SECTORS INCLUDE

- Education
- Radioastronomy
- Agribusiness/premium food
- Medical research
- Technology and innovation

SOURCES: THINK PERTH, SEPTEMBER 2019;
DIVERSIFY WA, JULY 2019; WORLDWIDE COST OF
LIVING SURVEY 2019, ECONOMIST INTELLIGENCE UNIT

Our global reputation



Study at WA's top university

RANKED IN THE
WORLD'S TOP 100
(QS 2020)

#1 IN WA FOR
GRADUATE EMPLOYABILITY
(QS GRADUATE EMPLOYABILITY RANKING 2020)

MORE THAN **4,500**
INTERNATIONAL
INDUSTRY PARTNERSHIPS

FIVE STARS FOR STUDENT
DEMAND AND STUDENT-TEACHER RATIO
(GOOD UNIVERSITIES GUIDE 2019)

MEMBER OF THE **GROUP**
OF EIGHT, AUSTRALIA'S BEST
RESEARCH-INTENSIVE UNIVERSITIES

RANKED IN THE
WORLD'S TOP 50

AGRICULTURE AND FORESTRY
ANATOMY AND PHYSIOLOGY
CIVIL AND STRUCTURAL ENGINEERING
EARTH AND MARINE SCIENCES
MINERAL AND MINING ENGINEERING
PSYCHOLOGY
SPORTS-RELATED SUBJECTS
(QS WUR BY SUBJECT 2019)

AGRICULTURAL SCIENCES
BIOLOGICAL SCIENCES
CLINICAL MEDICINE
ECOLOGY
ENVIRONMENTAL SCIENCE AND ENGINEERING
HUMAN BIOLOGICAL SCIENCES
MARINE/OCEAN ENGINEERING
MINING AND MINERAL ENGINEERING
OCEANOGRAPHY
(ARWU 2019)

A world-leading course model

Our experience-rich curriculum creates professionals who are prepared for the workplaces of the future, with a breadth of knowledge and skills, as well as powerful industry connections.

Broaden your career horizons

Tailor your degree to your goals by completing two majors within three years. Combining areas of specialisation from different bachelor's degrees means you'll gain the same level of qualification and transdisciplinary skills found in a double degree (Australian Qualifications Framework 2020).

Gain real-world experiences

Learn in an environment where you can build technical skills and career networks. As the top university in Western Australia, UWA can make a huge network of contacts and relationships available to you, opening up a wide range of industry partnerships, work integrated learning, internships, volunteering for credit, networking opportunities and more.

Build a competitive edge

Our course model is the only one of its kind in WA and used by world-leading universities in Europe, the US and Asia. This means your qualification will have greater recognition and will be familiar to recruiters, putting you ahead in the global job market.

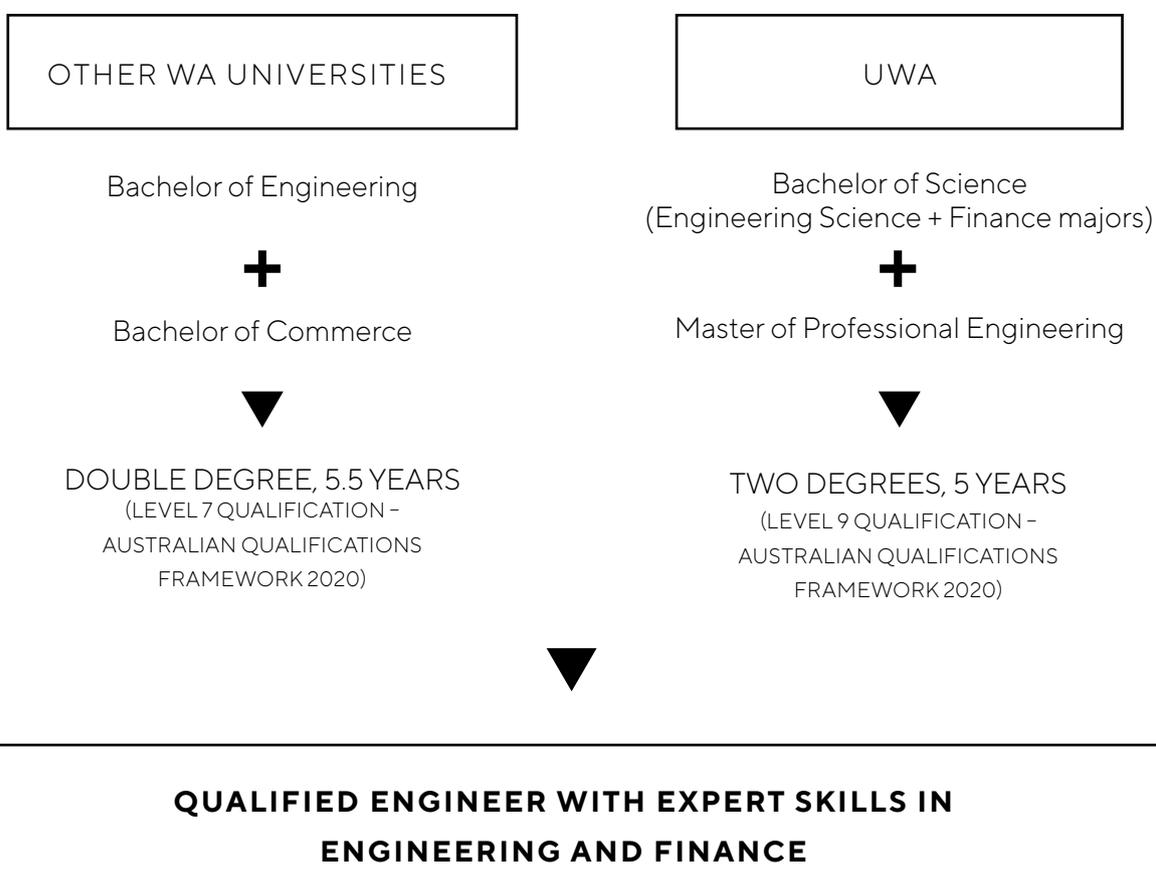




With our course model you can tailor your degree and choose two majors (often referred to as a double major) from a range of subjects, broadening your career prospects. By completing a UWA bachelor's degree with one or two majors you will receive the same level of qualification as a double degree (Level 7, Australian Qualifications Framework 2020). If you want to continue to postgraduate studies you could complete a **higher-level qualification with international recognition in less time** than a double degree at other universities. (Level 9 and above, Australian Qualifications Framework 2020).

Further specialised and advanced study options are also available through UWA's Direct Pathways and postgraduate degrees. If you'd like help tailoring your study journey, call us on **131 UWA (892)**.

An example of how our course model compares to other universities



Career and industry experience



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

NEVIN
BACHELOR OF SCIENCE - ENGINEERING

UWA Careers and Employability Award Program

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

careers.uwa.edu.au/award

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

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

Scholarships and prizes

UWA offers scholarships in a range of categories.



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.

Some of our high-achievement scholarships include:

UWA Fogarty Foundation and Winthrop Leaders Scholarships

Twenty scholarships in total are available for students who show significant academic potential, together with leadership responsibility and other outstanding achievements throughout Year 11 and 12.

UWA Hackett Scholarships

Multiple scholarships are available to assist and encourage high-achieving students in the top 10 per cent of Year 12 WACE graduands in all regional, remote and targeted metropolitan schools in WA.

UWA Principal's Citizenship Awards

Multiple awards are available to recognise outstanding Year 12 WACE students, as nominated by their school principal.

Eligibility varies depending on the scholarship, but our range of options provides numerous opportunities to apply.

Find out more about our scholarships and how to apply at scholarships.uwa.edu.au/futurestudents or get in touch through ask.uwa.edu.au.

WE AWARD MORE THAN **\$6 MILLION WORTH OF SCHOLARSHIPS** TO COURSEWORK STUDENTS EACH YEAR

\$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 students in their relevant faculties, based on the results achieved in the previous academic year. Best of all, you don't need to apply for the prizes unless specified in the prize conditions.

Find out more web.uwa.edu.au/study/prizes

UWA Scholarships and Prizes are proudly funded by UWA, government, corporate and private donors.

Bachelor of Arts

Majors 35

Minimum ATAR 80 or equivalent

Intake months February and July

Completion 3 years full time

Our Bachelor of Arts provides the lifelong transferable skills employers seek, giving an immediate competitive edge in the job market.

“I was naturally drawn to the history units; they extended my knowledge and I was challenged to think critically about issues raised. I constantly apply the critical thinking, analysis and writing skills developed during my degree in a professional setting.”

DEBORAH

BACHELOR OF ARTS - HISTORY

**RANKED IN THE WORLD'S
TOP 100 UNIVERSITIES** FOR
ENGLISH LANGUAGE AND
LITERATURE, LAW AND LEGAL
STUDIES, PERFORMING ARTS,
AND PSYCHOLOGY
(QS WUR BY SUBJECT 2019)



Why study Arts at UWA

Studying UWA's Bachelor of Arts lets you cultivate your passions while developing transferable skills that are essential in every industry and can never be automated – they'll set you apart from the competition and prepare you for a future-proof career.

This course is one of the most diverse in Western Australia, allowing you to choose from a wide range of majors spanning humanities, social sciences, law, architecture and creative arts, to suit your interests and career goals.

You'll be taught by renowned scholars and researchers who are international leaders and experts in their fields.

UWA is also the largest language hub in Western Australia, offering the communication skills you'll need to stand out in a global and mobilised workforce.

As an Arts graduate, you'll have a well-rounded education and high levels of communication, research and technical expertise that will allow you to enter many different careers.

Successful UWA Arts graduates include politicians, ambassadors, authors, composers, journalists, anthropologists, historians, architects, policy advisers, teachers and entrepreneurs, to name a few.

Majors

- Anthropology and Sociology
- Archaeology
- Architecture
(co-requisite majors)
- Asian Studies
- Chinese Studies
- Classics and Ancient History
- Communication and Media Studies
- Criminology
- English and Literary Studies
- Fine Arts
- French Studies
- Gender Studies
(second major only)
- German Studies
- History
- History of Art
- Human Geography and Planning
- Indigenous Knowledge, History and Heritage
- Indonesian Studies
- Italian Studies
- Japanese Studies
- Korean Studies
- Landscape Architecture
- Law and Society
- Linguistics
- Music: Electronic Music and Sound Design
- Music General Studies
- Music Specialist Studies
(second major only)
- Music Studies
- Philosophy
- Philosophy, Politics and Economics (double major)
- Political Science and International Relations
- Psychology (double major)
- Psychology in Society
- Spanish Studies
- Work and Employment Relations

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

Major combinations could include:

- Criminology + Psychology in Society
- Political Science and International Relations + Law and Society
- Communication and Media Studies + Marketing

Bachelor of Biomedical Science

Majors 15

Minimum ATAR 80 or equivalent

Intake months February and July

Completion 3 years full time

Our Bachelor of Biomedical Science encompasses the biological basis of human structure and function, and the application of this knowledge to disease, wellbeing and society. It's an exciting degree designed to meet growing global demand for health graduates.



31ST IN THE
WORLD FOR HUMAN
BIOLOGICAL SCIENCES
(ARWU 2019)

22ND IN THE WORLD
FOR ANATOMY AND
PHYSIOLOGY
(QS WUR BY SUBJECT 2019)

IN THE WORLD'S
TOP 75 FOR
PUBLIC HEALTH
(ARWU 2019)

“The lab work is the most interesting part of my course. It’s great to be able to put into practice all the things you are learning and get a taste of the work you’ll do in labs once you graduate.”

REBECCA

BACHELOR OF BIOMEDICAL SCIENCE –
MICROBIOLOGY AND IMMUNOLOGY, AND
PATHOLOGY AND LABORATORY MEDICINE

Why study Biomedical Science at UWA

This practical degree equips you with the essential knowledge and skills to impact the health of people and populations. You'll gain a sound understanding of how the human body functions in healthy and diseased states, barriers to healthcare and methods for treatment.

This course provides you with laboratory-based learning and practical industry placements to bridge the gap between academic theory and real-world experience, ensuring you are ready to enter the global workforce.

Some of your classes are held in cutting-edge labs at the UWA Health Campus, located on the QEIIIMC site in Nedlands. As the largest medical centre in the southern hemisphere it's surrounded by major public hospitals and internationally renowned organisations, including the Harry Perkins Institute of Medical Research, PathWest and the Telethon Kids Institute. Our academics and postgraduate students are embedded in these organisations, engaging in world-leading research and clinical teaching, which means

you'll learn from and network with some of the world's brightest minds.

After graduating, you can pursue a diverse range of careers or undertake further study with a postgraduate degree. We have the most comprehensive range of postgraduate courses in WA, ranging from medicine, optometry and pharmacy to psychology, public health, infectious diseases and clinical pathology.

UWA Biomedical Science graduates go on to have successful careers as dentists, doctors, pharmacists, medical researchers, policy advisers, health promotion officers, exercise physiologists, biochemists or educators. You can work in industries as diverse as healthcare and sports science or biotechnology and mining – the options are endless.

Majors

- __ Aboriginal Health and Wellbeing
- __ Anatomy and Human Biology
- __ Biochemistry and Molecular Biology
- __ Exercise and Health
- __ Genetics
- __ Humanities in Health and Medicine
- __ Integrated Medical Sciences and Clinical Practice (double major)*
- __ Medical Sciences**
- __ Microbiology and Immunology
- __ Neuroscience
- __ Pathology and Laboratory Medicine
- __ Pharmacology
- __ Physiology
- __ Population Health
- __ Science Communication (second major only)

* The Integrated Medical Sciences and Clinical Practice double major is only available to students on a Direct Pathway to the Doctor of Medicine.

**The Medical Sciences major requires a 94 ATAR or equivalent. Quota restrictions apply for this course.

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

Major combinations could include:

- __ Population Health + Asian Studies
- __ Neuroscience + Linguistics
- __ Pharmacology + Finance

Bachelor of Commerce

Majors 8

Minimum ATAR 80 or equivalent

Intake months February and July

Completion 3 years full time

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

ONLY WA BUSINESS SCHOOL ACCREDITED BY EQUIS AND AACSB

1ST IN WA FOR ACCOUNTING AND FINANCE, BUSINESS AND MANAGEMENT STUDIES, AND ECONOMICS AND ECONOMETRICS
(QS WUR BY SUBJECT 2019)

30+ CORPORATE SUPPORTERS



“UWA provided the opportunity to be taught by some great lecturers, who inspired me to keep learning and challenged me to think differently.”

JASMIN

BACHELOR OF COMMERCE - FINANCE

Why study Commerce at UWA

As a UWA Commerce graduate, you'll have the knowledge and skills to tackle some of the greatest challenges facing the world.

Real-world experiences are at the heart of the degree, and you will learn from leading academics and develop high-level industry networks. The course has been tailored in consultation with representatives from leading local and international organisations, ensuring you gain insight into leading industry practice.

UWA has partnered with Harvard Business School (HBX) so you'll have access to their online learning platform HBX CORE to further enrich your study.

Whether you're hearing from a guest lecturer, receiving an industry-sponsored scholarship, using our award-winning real-time Trading Room or attending an exclusive lunch with corporate executives, you'll be able to apply your skills confidently in real-world situations. And, with many Business School student societies available for you to join, you can attend professional development,

networking and social events, and obtain hands-on experience such as managing an investment fund or leading a social entrepreneurship project.

Upon graduating, you could find yourself working at a global advertising agency, launching your own startup or entering the world of corporate finance, among many other career destinations. A UWA Bachelor of Commerce can take you anywhere in the world.

Majors

- Accounting
- Business Law
- Economics
- Finance
- Human Resource Management
- Management
- Marketing
- Professional Economics (double major)

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

Major combinations could include:

- Economics + Business Law
- Finance + Data Science
- Marketing + Psychological Science

Bachelor of Science

Majors 27

Minimum ATAR 80 or equivalent

Intake months February and July

Completion 3 years full time

A key focus of the Bachelor of Science is understanding and improving the natural world. A quality education in Science from UWA will equip you with attributes that are highly valued and sought-after by a diverse range of employers around the globe.

1ST IN AUSTRALIA FOR AGRICULTURAL SCIENCES, BIOLOGICAL SCIENCES, ENVIRONMENTAL SCIENCE AND ENGINEERING, AND MARINE/OCEAN ENGINEERING (ARWU 2019)

1ST IN WA FOR PSYCHOLOGY, ANATOMY AND PHYSIOLOGY, ENVIRONMENTAL SCIENCE, STATISTICS, AND SPORTS-RELATED SUBJECTS (QS WUR BY SUBJECT 2019)



“UWA has excellent science and communication courses that help ensure you leave university with impeccable report-writing skills. I knew I had a passion for the environment but it wasn’t until I delved into my degree that I unveiled my true passions.”

MERISE

BACHELOR OF SCIENCE – CONSERVATION BIOLOGY

Why study Science at UWA

Our Bachelor of Science gives you the skills and knowledge to make a real contribution to the challenges facing humanity.

Scientists study the universe, its properties, the life that exists within it and the laws that govern it. Discipline areas range from cutting-edge pure and applied science to new multidisciplinary fields. The importance of science in determining the wellbeing of our society is recognised by industry, business and government.

As a UWA student, you can explore a wide range of disciplines and investigate the big issues confronting our planet, such as climate change, diagnosis and treatment of disease, healthy lifestyles, food sustainability and conserving biodiversity.

You’ll be taught by staff who are among the world’s leading teachers and researchers, and have work integrated learning (WIL) opportunities to gain practical industry experience and employability skills.

Through studying science, you’ll gain highly valued and sought-after skills, including reason, logic, observation, analysis, resourcefulness, communication, creativity, imagination and experimentation. These skills will ensure you are well-prepared for many diverse and exciting careers.

Majors

- __ Agricultural Science
- __ Anatomy and Human Biology
- __ Biochemistry and Molecular Biology
- __ Botany
- __ Chemistry
- __ Computer Science
- __ Conservation Biology
- __ Data Science
- __ Engineering Science
- __ Environmental Science
- __ Exercise and Health
- __ Genetics
- __ Geographical Sciences
- __ Geology
- __ Marine Science
- __ Mathematics and Statistics
- __ Microbiology and Immunology
- __ Natural Resource Management
- __ Neuroscience
- __ Physics
- __ Physiology
- __ Psychological Science
- __ Psychology (double major)
- __ Science Communication (second major only)
- __ Sport Science
- __ Sport Science, Exercise and Health (double major)
- __ Zoology

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

Major combinations could include:

- __ Natural Resource Management + Environmental Science
- __ Engineering Science + Management
- __ Zoology + Science Communication
- __ Psychological Science + Human Resource Management

Bachelor of Philosophy

(Honours)

Minimum ATAR 98 or equivalent

Intake months February

Completion 4 years full time

This highly competitive course represents an exciting and distinctive experience for high-achieving students. It offers an innovative curriculum with an individually designed academic program, focusing on your chosen area of specialisation.

Why study the Bachelor of Philosophy (Honours) at UWA

Our Bachelor of Philosophy (Honours) course ensures you develop high-level research and communication skills that prepare you for the challenges of achieving the highest international standards of excellence. It includes a scholarship-supported study abroad experience, academic mentoring, professional skills development and an on-campus residential experience prior to the start of your first semester (usually in the week before orientation).

While many graduates choose to pursue postgraduate studies, courses leading to specific professional qualifications, or careers in research, the intensive focus of the degree on developing analytical, teamwork and communication skills will ensure you are highly employable upon graduation.

What you can study

This course gives you the freedom to choose a major from any field of study within Arts, Biomedical Science, Commerce or Science. It is an integrated honours degree with research embedded throughout the four-year course, and the opportunity to learn a language.

The BPhil Residence, held prior to the start of your first semester, is an integral part of the course and is designed to introduce you to the academic expectations of this degree. In your first semester, you will complete the first-level unit – Global Challenges, Research and Leadership – and take part in a group research project. This forms the basis of your subsequent research training.

Throughout your course you will participate in collaborative and interdisciplinary research projects, work closely with a research mentor from your chosen field of study, develop your own research project with an academic supervisor, present your research orally, produce a research dissertation, undertake an overseas study experience, and have the opportunity to meet international research leaders visiting the University.

“The BPhil will help you make the most of undergraduate study. It enriches the typical undergraduate experience, with access to people, opportunities and resources to deepen and further your academic and professional development in UWA and elsewhere.”

TANIA

BACHELOR OF PHILOSOPHY (HONOURS) –
POLITICAL SCIENCE AND INTERNATIONAL RELATIONS, FIRST CLASS HONOURS IN PHYSICS, AND RHODES SCHOLAR





STUDY ALONGSIDE
EXPERTS
IN THE FIELD

UWA GRADUATE
IS NSW'S **1ST** FEMALE
GOVERNMENT
ARCHITECT

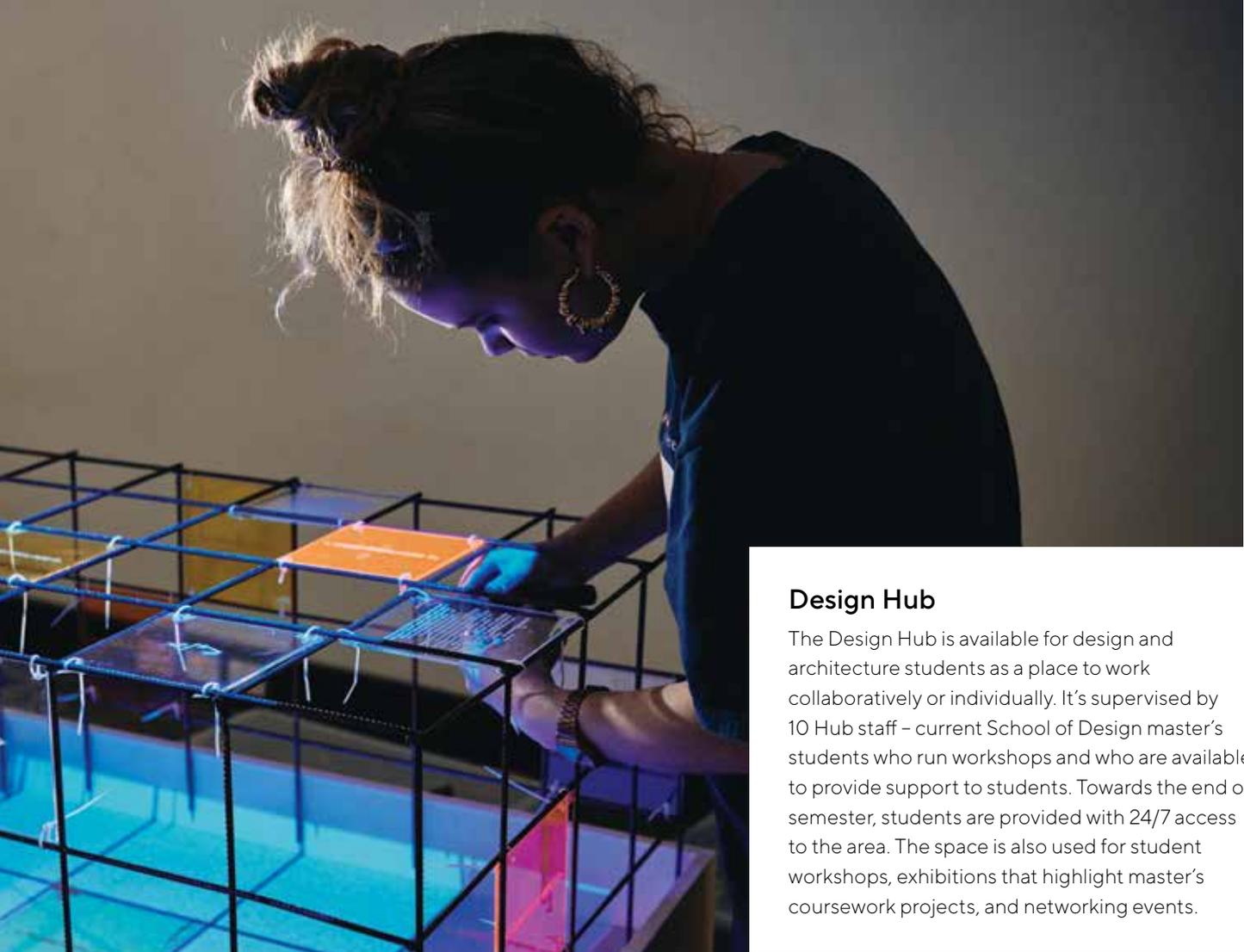
Architecture, Design and Planning

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

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

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

- Learn from award-winning, internationally recognised teachers.
- All courses have strong practical and creative components.
- Impressive industry and community engagement allows you to work on real-world projects and depending on the units you study, you might even have NASA space architects Skyping in to give you feedback on your designs.
- Make use of equipment and state-of-the-art facilities such as plastic-extrusion 3D printers, laser cutters, printmaking studios and 24/7 computer labs.
- Our students have won national and international student competitions.



Design Hub

The Design Hub is available for design and architecture students as a place to work collaboratively or individually. It's supervised by 10 Hub staff – current School of Design master's students who run workshops and who are available to provide support to students. Towards the end of semester, students are provided with 24/7 access to the area. The space is also used for student workshops, exhibitions that highlight master's coursework projects, and networking events.

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

UWA course model example: your pathway to becoming an architect



¹ Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.



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

DR JULIAN BOLLETER

ASSISTANT PROFESSOR AT THE AUSTRALIAN URBAN DESIGN RESEARCH CENTRE, UWA



Architecture A/ Architecture B

(co-requisite majors)

CAREER OPPORTUNITIES*

Architect, Architectural Draftperson, Urban Planner

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- Award-winning and highly experienced teachers
- Learn a comprehensive approach to design for better living

You'll learn to

- create drawings, models and prototypes
- imagine and create design outcomes and applications
- analyse design problems and provide solutions
- analyse historical, theoretical and ethical aspects of architecture
- employ design communication and sustainable design

Architecture A and Architecture B must be taken together to progress to the Master of Architecture.

uwa.edu.au/study/architecture

handbooks.uwa.edu.au/major/architecture-a

handbooks.uwa.edu.au/major/architecture-b

Sample study plan

Bachelor of Arts with co-requisite majors Architecture A and Architecture B

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

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

* Postgraduate study may be required



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

“Many friends and peers of mine had studied at UWA and spoke highly of the experience, so it was a natural decision to come here. During my study, I had a great opportunity to do a Summer Studio in Olot, Spain, at the headquarters of RCR Arquitectes. We worked in RCR’s space and observed and experienced their distinctive architecture throughout the region, even in France.”

ROHAN

BACHELOR OF PHILOSOPHY (HONOURS) – ARCHITECTURE AND INTEGRATED DESIGN

Geographical Sciences

CAREER OPPORTUNITIES

Conservation Officer, Environmental Manager, Geographer

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Environmental Science; Botany; Agricultural Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

uwa.edu.au/study/geographical-sciences

handbooks.uwa.edu.au/major/geographical-sciences

Human Geography and Planning

CAREER OPPORTUNITIES

Geographer, Land Economist, University Lecturer

Bachelor's degree: Arts or Philosophy (Honours)

Human geography and planning are the essential disciplines for understanding the complexities of cities and regions and guiding their sustainable development. This major will guide you through the complex interplay of environmental, economic, social and political processes that influence the spatial organisation of human activities at a range of scales, from global to local.

Why study this course

- The need for human geography and planning experts is becoming essential
- Acquire knowledge and skills to help resolve major urban and regional problems
- Contribute to the creation of liveable communities, vibrant economies and sustainable places

You'll learn to

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

Popular second majors: Anthropology and Sociology; Geographical Sciences; Natural Resource Management

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

handbooks.uwa.edu.au/major/human-geography-and-planning

Landscape Architecture

CAREER OPPORTUNITIES*

Landscape Architect, Environmental Consultant, Urban Designer

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- Create great places, design with nature and combat climate change
- Meet new people and travel the world
- Join a growing profession

* Postgraduate study may be required

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

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

uwa.edu.au/study/landscape-architecture

handbooks.uwa.edu.au/major/landscape-architecture

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

HALEY

BACHELOR OF ARTS – LANDSCAPE ARCHITECTURE



Health and Biomedical Sciences

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

Studying in the area of Health and Biomedical Sciences means you will gain an understanding of human function and pathology, preparing you for a career to help generate solutions to key global challenges.

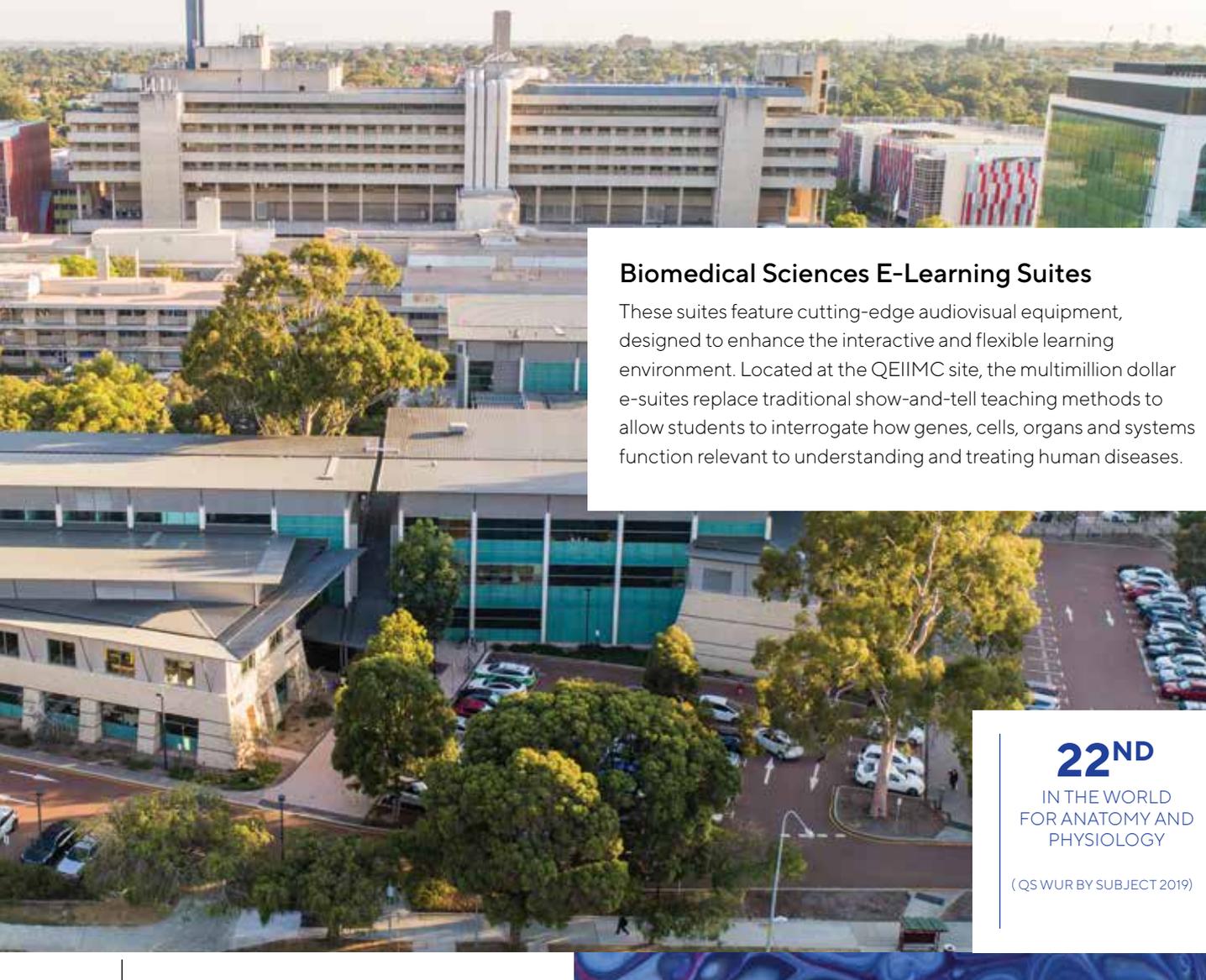
You may choose to pursue a career in areas such as research, training, policy, planning and management. Studies in this area also provide excellent preparation for the Doctor of Medicine or Doctor of Dental Medicine.

Notable alumni

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

Top five reasons to study Health and Biomedical Sciences at UWA

- It's a practical degree with laboratory-based learning and industry placements to offer you real-world experience.
- Some classes are taught at the UWA Health Campus, located on the QEIIIMC site in Nedlands. It's the largest medical centre in the southern hemisphere and surrounded by major public hospitals and internationally renowned organisations.
- You'll be taught by leading experts in their field, many of whom have won national teaching awards.
- You'll gain the essential knowledge and skills to meet the growing global demand for graduates with health expertise.
- UWA is ranked 8th in the world for Clinical Medicine and 31st for Human Biological Sciences (ARWU 2019).



Biomedical Sciences E-Learning Suites

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

22ND
IN THE WORLD
FOR ANATOMY AND
PHYSIOLOGY

(QS WUR BY SUBJECT 2019)

UWA HEALTH CAMPUS AND QEIIIMC

We have WA's most comprehensive range of pathways to a professional career in health, including medicine, dentistry, optometry, pharmacy, podiatry, psychology, social work, public health, infectious diseases and clinical pathology.

UWA course model example: your pathway to becoming a pharmacist



¹Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.



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

RAINBOW

BACHELOR OF BIOMEDICAL SCIENCE - MICROBIOLOGY AND IMMUNOLOGY

Aboriginal Health and Wellbeing

CAREER OPPORTUNITIES

Health Promotion Officer, Health Diagnostic and Promotion Professional, Health and Welfare Services Manager

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

This major provides you with a solid grounding in many factors that influence the health and wellbeing of Aboriginal peoples, families and communities in Australia. You'll be given a broad introduction to Aboriginal health and wellbeing from an Aboriginal perspective and an understanding of particular health problems and their impacts within Aboriginal communities, along with practical experience in Aboriginal health settings.

Why study this course

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

You'll learn to

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

Popular second majors: Anatomy and Human Biology; Genetics; Microbiology and Immunology

Recommended subjects: Mathematics Applications ATAR or higher

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

handbooks.uwa.edu.au/major/aboriginal-health-and-wellbeing

Biochemistry and Molecular Biology

CAREER OPPORTUNITIES

Biochemist, Geneticist, Pharmacist

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

What are genes? How do hormones work? What goes wrong in a cancer cell? Biochemists and molecular biologists are interested in the molecular functions of all living organisms, from the smallest bacterium to the largest whale. In this major, students study the way molecules are organised and how they interact to achieve the functions of the living cell and that of the organism. Your investigations cover three main areas: the information stored in DNA; molecular interactions; and how organisms gain and use energy.

Why study this course

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

You'll learn to

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

Popular second majors: Anatomy and Human Biology; Chemistry; Computer Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year (students without ATAR Mathematics will take two first-year mathematics units) and Chemistry ATAR or a chemistry unit taken in the first year

Recommended subject: Biology ATAR

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

handbooks.uwa.edu.au/major/biochemistry-and-molecular-biology

Anatomy and Human Biology



CAREER OPPORTUNITIES

Sleep Scientist, Science Educator,
Assisted Reproductive Technician

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

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

Why study this course

- Discover how and why your body works, where people come from and how we are related
- Benefit from a practical, hands-on major
- 22nd in the world for Anatomy and Physiology (QS 2019)

You'll learn to

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

Popular second majors: Biochemistry and Molecular Biology; Chemistry

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

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

handbooks.uwa.edu.au/major/anatomy-and-human-biology

Sample study plan

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

YR1	SEM 1	Human Biology I: Becoming Human	Mathematics Fundamentals	Introduction to Marketing	Communicating Science
	SEM 2	Human Biology II: Being Human	Mathematics Foundations: Methods	Cultures, New Media and Communications	Psychology: Behaviour in Context
YR2	SEM 1	Human Structure and Development	The Darwinian Revolution	Digital Media	Science Writing
	SEM 2	Human Organs and Systems	Issues in Women's Health Across the Lifespan	Advertising and Promotion	Science Work Placement
YR3	SEM 1	Human Biology: Applications and Investigations I	Human Evolutionary Ecology	Marketing Research	Exhibitions and Interpretation
	SEM 2	Human Biology: Applications and Investigations II	Cells, Tissues and Development	Science Presentations	Science Communication as an Academic Discipline

Key: ■ Anatomy and Human Biology degree-specific major ■ Science Communication second major ■ Broadening and elective units

Exercise and Health

CAREER OPPORTUNITIES

Exercise, Fitness Instructor, Sport Scientist

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

This major develops your knowledge and skills in exercise and health. It gives you the unique opportunity to study a mix of core units as well as option units to ensure you graduate with a broad understanding in the area of exercise and health. Your skills also complement other science areas, potentially leading to postgraduate professional training.

Why study this course

- Develop a broad knowledge and understanding of everything related to exercise and health
- Be taught by former world-class athletes
- Join a growing and dynamic industry with wide and varied work opportunities

You'll learn to

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

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Physiology

Prerequisites: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

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

handbooks.uwa.edu.au/major/exercise-and-health

Genetics

CAREER OPPORTUNITIES

Forensic Scientist, Geneticist, Genetic Counsellor

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

The world of genetics is fascinating, including the universal principles, potentials and problems associated with DNA-based life. This major will satisfy your curiosity and prepare you to become a geneticist. Gain essential skills through a combination of hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations.

Why study this course

- Learn how traits are inherited, how genetic processes control development and diseases
- Benefit from a combination of hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations
- Open yourself up to various career opportunities in agriculture, biochemistry, botany, conservation biology, ecology, medicine, microbiology, molecular biology and zoology

You'll learn to

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

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Botany

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

Recommended subject: Chemistry ATAR

uwa.edu.au/study/genetics

handbooks.uwa.edu.au/major/genetics

Humanities in Health and Medicine

CAREER OPPORTUNITIES

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

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

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

Why study this course

- UWA offers the first Australian undergraduate major in Humanities for Health and Medicine
- Humanities for 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 health care and 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

Popular second majors: Aboriginal Health and Wellbeing; Medical Sciences and Population Health

Recommended subjects: Mathematics Applications ATAR or higher

uwa.edu.au/study/health-humanities

handbooks.uwa.edu.au/major/health-humanities

Microbiology and Immunology

CAREER OPPORTUNITIES

Laboratory Manager, Environmental Scientist, Microbiologist

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

Microbiology covers a range of fields from immunology, which studies how the body's immune system protects it from infectious disease, to microbial genetics and genetic engineering. Your studies can be applied in areas as diverse as medicine, food spoilage, control of environmental pollution and space science. You'll receive a thorough grounding in the scientific basis of the discipline and its applications in the real world.

Why study this course

- Enjoy richer student experiences through Student Exchange and Study Abroad
- Become eligible, upon graduating, for membership in the Australian Society of Microbiology (ASM) – the profession's national scientific and employment body
- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations, allowing you to interactively experience 'real-life' scenarios

You'll learn to

- understand a variety of diseases in human body systems, such as the cardiovascular system, central nervous system, liver and kidney, and reproductive tracts
- understand the fundamental divisions of the microbial world, including bacteria, viruses, algae and parasites
- appreciate the steps involved in the initiation, perpetuation and resolution of infectious diseases

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

Prerequisites: Chemistry ATAR or a chemistry unit taken in the first year, and Human Biology ATAR or Biology ATAR or a human biology or biology unit taken in the first year, and Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

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

handbooks.uwa.edu.au/major/microbiology-and-immunology

Medical Sciences

CAREER OPPORTUNITIES*

Dentist, Podiatrist, Pharmacist

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

Medical Sciences integrates knowledge of how the human body functions, how it reacts to disease and pharmacological treatment for disease, with the skills needed to enter a range of clinical and academic health professions. This major equips you with a thorough knowledge of essential disciplines including anatomy, biochemistry, microbiology, pathology, genetics, pharmacology, population health and physiology.

Why study this course

- Gain knowledge of anatomy, biochemistry, microbiology, pathology, histology, genetics, pharmacology, population health and physiology
- Undertake practical laboratory sessions and workshops to develop pre-clinical scientific knowledge
- Apply the principles and skills of evidence-based practice to critically select, read, interpret and use health and medical evidence

You'll learn to

- understand human anatomy, physiology, biochemistry, genetics, immunology and haematology
- recognise common pathologies, prevalence and incidence of disease and viable treatments, including pharmacological interventions
- practice medical research methodologies and health promotion via multiple modes including video production, poster presentation and pamphlet design

Popular second majors: Pharmacology; Anatomy and Human Biology; Population Health

Prerequisites: Mathematics Applications ATAR or equivalent or higher, or a mathematics unit taken in the first year, and Chemistry ATAR or equivalent or a chemistry unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/medical-sciences

handbooks.uwa.edu.au/major/medical-sciences

* Postgraduate study required

Integrated Medical Sciences and Clinical Practice (double major)

CAREER OPPORTUNITIES*

General Practitioner, Obstetrician, Surgeon

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

This major is only available to students who are offered a Direct Pathway to the Doctor of Medicine. It draws on all biomedical scientific disciplines to understand and manage human disease and illness, and commences foundational learning about the roles of a doctor.

Why study this course

- Gain a strong foundation in the disciplines of biomedical science, clinical knowledge, clinical skills and professional behaviour
- Prepare for continued study in the Doctor of Medicine through a Direct Pathway (if successful in completing the IMSCP double major students will be eligible for credit towards the Doctor of Medicine [and a shorter six-year pathway])
- UWA is ranked 8th in the world and 1st in Australia for clinical medicine (ARWU 2019)

You'll learn to

- demonstrate sound scientific knowledge in anatomy, physiology, biochemistry, genetics, immunology, haematology, microbiology, anatomical pathology and pharmacology
- apply clinically relevant aspects of biomedical science and the principles of clinical reasoning to core medical conditions and presentations
- demonstrate medical history-taking and physical examination, along with an understanding of the patient perspective and quality patient-centred care

Prerequisites: Mathematics Applications ATAR or equivalent or higher, or a mathematics unit taken in the first year, and Chemistry ATAR or equivalent or a chemistry unit taken in the first year

Recommended subject: Mathematics Methods ATAR

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

handbooks.uwa.edu.au/major/integrated-medical-sciences

* Postgraduate study required

Neuroscience

CAREER OPPORTUNITIES

Science Teacher, Laboratory Manager, Researcher

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

How do we process the sensory stimuli we receive? How does the nervous system grow, develop and learn? How do medical conditions such as Alzheimer's disease, deafness, dementia and depression afflict the brain and nervous system? Neuroscientists are interested in the answers to these questions and how nervous system function can be restored after disease and injury to the brain.

Why study this course

- Open up a range of employment opportunities, including in research and clinical laboratories, government agencies and science communication
- You'll be taught by academics with established international reputations in neuroscience research
- Learn about the molecules that make up individual nerve cells and the transfer of information from one nerve cell to another, as well as the complexities of how behaviour, thought and emotions are produced

You'll learn to

- demonstrate a sound knowledge of basic cell and systems biology and biological chemistry and apply this knowledge to neural cells and systems
- understand the structure and function of the nervous systems of humans and other animals
- conduct anatomical, cellular, physiological and behavioural investigations of nervous tissues and systems
- understand the neuroscience underpinning common pathological conditions of the nervous systems

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Genetics; Pathology and Laboratory

Prerequisites: Chemistry ATAR and Physics ATAR

Recommended subjects: 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/neuroscience

handbooks.uwa.edu.au/major/neuroscience

Pathology and Laboratory Medicine

CAREER OPPORTUNITIES

Research Scientist, Diagnostic Scientist, Science Teacher

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

Pathology and laboratory medicine can be considered the basis of modern scientific medical knowledge and plays a critical role in evidence-based medicine. This major provides you with a thorough understanding of the scientific basis of diagnosing, treating, managing and preventing human disease, as well as an appreciation of how medical research forms new insights into disease.

Why study this course

- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations
- Be taught by expert pathologists, researchers, physicians and medical scientists engaged in various disciplines of pathology
- Theoretical knowledge is complemented with practical learning in laboratories utilising clinical material, case studies and relevant research topics

You'll learn to

- understand the processes of cell injury, inflammation and repair, and their role in the impact of human disease
- appreciate the influence of genetics, environment and infectious organisms on human disease processes
- recognise the application of pathology and laboratory medicine to a wide array of human diseases
- integrate and apply the principles of pathology and laboratory medicine to a wide array of human diseases

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology

Prerequisites: Chemistry ATAR or a chemistry unit taken in the first year, and Human Biology ATAR or Biology ATAR or a human biology or biology unit taken in the first year

Recommended subject: Mathematics Applications ATAR

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

handbooks.uwa.edu.au/major/pathology-and-laboratory-medicine



Pharmacology

CAREER OPPORTUNITIES*

Pharmacist, Medical Doctor, Research Scientist

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

Pharmacology is the branch of science that seeks to provide a deep understanding of the effects of drugs on biological organisms, including humans. It provides a modern understanding of how medicines produce their effects on the body and how such knowledge is used to alleviate suffering caused by disease.

Why study this course

- Think, act and communicate like a pharmacologist
- Study in state-of-the-art laboratories located on the QEII Medical Centre site, surrounded by working hospitals and internationally recognised organisations
- Experience practical learning in laboratories utilising biological material, case studies and relevant research topics

You'll learn to

- understand the fundamental principles of pharmacology at the molecular, cellular, tissue and whole body levels
- obtain transferable laboratory skills
- achieve high-level oral, written and technical skills

Popular second majors: Pathology and Laboratory Medicine; Microbiology and Physiology

Prerequisites: Chemistry ATAR or a chemistry unit taken in the first year, and Human Biology ATAR or Biology ATAR or human biology or biology unit taken in the first year

Recommended subject: Mathematics Applications ATAR

uwa.edu.au/study/pharmacology

handbooks.uwa.edu.au/major/pharmacology

Sample study plan

Bachelor of Biomedical Science with degree specific major in Pharmacology and second major in Pathology and Laboratory Medicine

YR1	SEM 1	Chemistry – Structure and Reactivity	Aboriginal Health and Wellbeing	Italian Studies 1	Human Biology I: Becoming Human
	SEM 2	Molecular Biology of the Cell	Health and Globalisation	Biological Chemistry	Molecular Biology of the Cell
YR2	SEM 1	Foundations of Pharmacology	Management and Organisations	Science Work Placement	Fundamentals of Pathology and Laboratory Medicine
	SEM 2	Human Pharmacology	Population Health Field Trip	Neuroscience in Society	Introduction to Human Disease
YR3	SEM 1	Molecular Pharmacology	Molecular Pharmacology Methods	Immunobiology and Immune Diseases	Medical Genetics
	SEM 2	Systems Pharmacology	Systems Pharmacology Methods	Biotherapeutics and Regenerative Medicine	Cancer Pathology

Key: ■ Pharmacology degree-specific major ■ Pathology and Laboratory Medicine second major ■ Broadening and elective units

* Postgraduate study required

Physiology

CAREER OPPORTUNITIES

Anatomist, Personal Trainer, Sport Scientist

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

Learn how the human body works, from the molecular and cellular level, to tissues and organs, and how these interact together with the environment. Examine diseases, and the changes that occur at the molecular and cellular level and how these impact on whole body function.

Why study this course

- UWA is ranked 22nd in the world for Anatomy and Physiology
- Physiology contributes to all major aspects of biology, including comparative biology, neuroscience, and the allied disciplines of pharmacology, anatomy and pathology
- Understand how physiologists contribute to new diagnostic and therapeutic strategies to combat disease

You'll learn to

- recall and integrate key knowledge and concepts about the function of cells, tissues and organs and how their function is coordinated
- explain physiological phenomena with reference to underlying physicochemical processes
- explain and perform measurements of physiological phenomena from human subjects and animal tissue
- analyse and interpret physiological data derived from a range of measurement systems
- clearly communicate scientific facts and concepts
- explain the physiological basis of pathological conditions

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

Recommended subjects: Chemistry ATAR and Physics ATAR

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/physiology

handbooks.uwa.edu.au/major/physiology

Population Health

CAREER OPPORTUNITIES

Health Promotion Officer, Research Analyst, Policy and Planning Manager

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

Population Health examines patterns of health and disease in society, the applications of medical research and evidence-based medicine to populations, and considers what we can do to improve the health of the community. This major will give you a strong foundation in health science with skills in scientific investigation, critical thinking and problem solving.

Why study this course

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

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Chemistry

Recommended subject: Mathematics Applications ATAR

uwa.edu.au/study/population-health

handbooks.uwa.edu.au/major/population-health

Psychological Science

CAREER OPPORTUNITIES

Counsellor, Marketing, School Counsellor

Bachelor's degree: Science or Philosophy (Honours)

Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements? Psychology is the scientific study of mental processes and behaviour, and is a challenging and wide-ranging discipline.

This major will provide you with a scientific understanding of our psychological processes and the relationship of these processes to brain function. You will also develop an understanding of how these psychological processes are affected by ageing, brain damage and disease.

Why study this course

- UWA ranks in the top 50 in the world for Psychology
- This major provides a scientific understanding of how humans learn, remember and think – giving you more well-rounded skills that are attractive to employers
- A psychology degree is one that is increasingly valued by employers who value the analytical and reasoning skills it gives you

You'll learn to

- demonstrate knowledge and understanding of psychological processes and their relationships with neurobiology
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology including an appreciation of the use of the scientific method to study psychological processes
- gain skills in the analysis and presentation of quantitative data

Popular second majors: Anatomy and Human Biology; Exercise and Health; Marketing

Prerequisite: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/psychological-science

handbooks.uwa.edu.au/major/psychological-science

Psychology (double major)

CAREER OPPORTUNITIES

Psychologist*, Human Resources, Management

Bachelor's degrees: Arts or Science or Philosophy (Honours)

Psychology is a fascinating and diverse area of study that touches upon many aspects of daily life. The Psychology double major will help you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these and the relationship of these processes to brain function.

Why study this course

- UWA is ranked in the top 50 in the world for Psychology
- This double major is a three-year undergraduate sequence in psychology, awarded accreditation by the Australian Psychology Accreditation Council (APAC)
- We are one of two psychology schools in Australia to have its research rated 'well above world standard'

You'll learn to

- demonstrate knowledge and understanding of selected psychological processes, their development, and the relations between them
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- demonstrate skills in the analysis and presentation of quantitative data
- demonstrate effective written and oral communication skills
- work effectively as a team member in solving problems

This course is a double major.

Prerequisite: Mathematics Applications ATAR or a mathematics unit taken in the first year (if taken via the Bachelor of Science)

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/psychology

handbooks.uwa.edu.au/major/psychology

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

Sport Science

CAREER OPPORTUNITIES

Sport Scientist, Teacher, Anatomist

Bachelor's degree: Science or Philosophy (Honours)

Do you want to work with elite athletes or the general public in the health and fitness sector? Our Sport Science major will prepare you thoroughly for a successful career in the sport and recreation industries. The sport science practicum provides you with valuable workplace experience enabling you to integrate theoretical concepts with professional practice and interact with other professionals.

Why study this course

- The sports 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

You'll learn to

- understand the relationship between human structural, functional and behavioural characteristics and their application in the development and support for athletes and coaches to achieve success in the sporting arena
- 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

Popular second majors: Anatomy and Human Biology; Neuroscience; Management

Prerequisite: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/sport-science

handbooks.uwa.edu.au/major/sport-science

Sport Science, Exercise and Health (double major)

CAREER OPPORTUNITIES

Exercise Scientist, Sports Coach, Sports Promoter

Bachelor's degree: Science or Philosophy (Honours)

Gain a sound basis in sport and exercise science theory combined with practical, technical and communication skills. The effects of physical activity are multiple whether you are a professional athlete or a sports amateur.

Why study this course

- Understand how sport and exercise play a vital part in a human's general health and performance
- The course is accredited by the National University Course Accreditation Program (NUCAP) and graduates may apply to Exercise and Sports Science Australia (ESSA) within two years of completion to become an Accredited Exercise Scientist (AES)
- Benefit from being taught by top experts in the fields

You'll learn to

- understand the relationship between human structural, functional and behavioural characteristics and their application in the development of, and support for, athletes and coaches to achieve success
- understand the relationship between human structural, functional and behavioural characteristics and our ability to develop, maintain and promote a fit and healthy lifestyle throughout the lifespan
- assess physical, physiological and mechanical characteristics of sports performance and the prescription of appropriate interventions to maintain athletes' strengths and improve weaknesses
- apply this knowledge in the assessment of health indicators and the prescription of exercise

This course is a double major.

Prerequisite: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/sport-science-exercise-and-health-double-major

handbooks.uwa.edu.au/major/sport-science-exercise-and-health



Business and Law

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

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

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

Top five reasons to study Business and Law at UWA

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

The Rosemarie Nathanson Financial Markets Trading Room

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



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

UWA course model example: your pathway to becoming a lawyer



¹ Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.

“My favourite part [of the course] was the challenging group projects which required the creation of strategies to solve real-world problems, consulting for real clients, or conducting research projects around real problems faced by businesses. These projects were insightful, challenging and gave many opportunities for building practical skills I can use in the workplace.”

MONIKA

BACHELOR OF ARTS - HUMAN RESOURCE MANAGEMENT, AND POLITICAL SCIENCE AND INTERNATIONAL RELATIONS;
MASTER OF HUMAN RESOURCES AND EMPLOYMENT RELATIONS

Accounting

CAREER OPPORTUNITIES

Accountant, Chief Executive, Managing Director

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

- We are ranked in the world's top 100 for Accounting and Finance, and 1st in Western Australia for Accounting and Finance (QS WUR by Subject 2019)
- 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

Popular second majors: Business Law; Finance; Marketing

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/accounting

handbooks.uwa.edu.au/major/accounting

Business Law

CAREER OPPORTUNITIES

Accountant, Investment Banker, Policy and Planning Manager

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

- The legal knowledge behind business is highly sought after by employers, as personal liability and contracts are vital parts of working in the corporate sector
- You'll gain the analytical skills to hold you in good stead for a career in business
- Business Law pairs well with many other majors

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

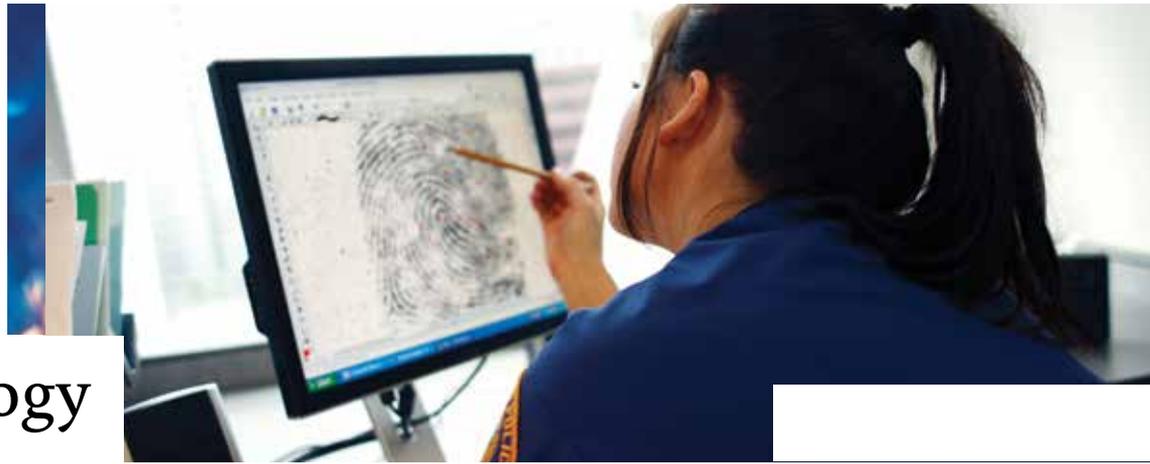
Popular second majors: Accounting; Economics; Finance

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/business-law

handbooks.uwa.edu.au/major/business-law



Criminology

CAREER OPPORTUNITIES

Criminologist, Social Policy Officer, Police Officer

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- Get a fascinating look into crime and the justice system
- Criminologists, historians, geographers, forensic scientists, anthropologists and psychologists will be teaching you
- This major pairs well with many other majors

You'll learn to

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

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

uwa.edu.au/study/criminology

handbooks.uwa.edu.au/major/criminology

Sample study plan

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

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

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

Economics

CAREER OPPORTUNITIES

Economist, Finance Manager, Financial Broker

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

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

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/economics

handbooks.uwa.edu.au/major/economics

Finance

CAREER OPPORTUNITIES

Financial Consultant, Investment Banker, Financial Analyst

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

- We are ranked in the world's top 100 for Accounting and Finance, and 1st in Western Australia for Accounting and Finance (QS WUR by Subject 2019)
- Take a professional experience unit, which bridges the gap between university and the workplace by providing opportunities to gain hands-on, practical experience

You'll learn to

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

Popular second majors: Accounting; Economics; Engineering Science

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/finance

handbooks.uwa.edu.au/major/finance

Human Resource Management

CAREER OPPORTUNITIES

Human Resource Professional, Management Consultant, Recruitment Consultant

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Management; Marketing; Psychology in Society

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

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

handbooks.uwa.edu.au/major/human-resource-management

Law and Society

CAREER OPPORTUNITIES

Media Presenter, Parliamentarian, Policy Analyst

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- We offer a fascinating range of broad units as an excellent foundation of law
- You'll develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- You'll improve your analytical and research skills

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

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

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

handbooks.uwa.edu.au/major/law-and-society

Management

CAREER OPPORTUNITIES

Business Administration Manager, Project Manager, Management Consultant

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Engineering Science; Human Resource Management; Marketing

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/management

handbooks.uwa.edu.au/major/management

Marketing

CAREER OPPORTUNITIES

Advertising Professional, Brand Manager, Digital Marketer

Bachelor's degree: Commerce or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Communication and Media Studies; Psychological Science; Management

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/marketing

handbooks.uwa.edu.au/major/marketing



Philosophy, Politics and Economics

(double major)

CAREER OPPORTUNITIES

Diplomat, Economic/Political Journalist, Policy Adviser

Bachelor's degree: Arts or Philosophy (Honours)

Combining economic thinking, moral philosophy and politics, this double major will prepare you for employment in professions that deal with a broad scope of political and economic life. You'll identify and evaluate assumptions underpinning philosophical, political and/or economic viewpoints on social and legal topics and develop sound research skills and written and oral communication skills.

Why study this course

- Study three disciplines, each of which are the culmination of centuries of development
- Be able to look at, and understand, things from different perspectives
- Open up a broad range of interesting opportunities for employment and/or postgraduate study

You'll learn to

- integrate philosophical, political and economic ideas and independently construct arguments
- understand and apply contemporary methods
- identify and evaluate assumptions underpinning viewpoints on social and legal topics

This course is a double major.

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

handbooks.uwa.edu.au/major/philosophy-politics-and-economics

Sample study plan

Bachelor of Arts with degree-specific double major in Philosophy, Politics and Economics

YR1	SEM 1	Introduction to Critical Thinking	The Liberal Democratic State	Law, Conflict and Change	Being Human: Culture, Identity and Society
	SEM 2	Microeconomics: Prices and Markets	Women in Music	Neuroscience in Society	Global Change, Local Responses
YR2	SEM 1	Microeconomics: Policy and Applications	Bioethics	Foundations of Global Political Economy	History of Political Ideas
	SEM 2	Rise of the Global Economy	Knowledge and the Justification of Belief	Evolution of Human Rights	Music in World Cultures
YR3	SEM 1	History of Economic Ideas	Moral Theory	Integrating Philosophy, Politics and Economics	Asia in the World Economy
	SEM 2	Economic Policy	Continental Philosophy: The Origin and Influence of Phenomenology	Democratisation in Asia	Social Movements and the Politics of Change

Key: ■ Philosophy, Politics and Economics double major ■ Broadening and elective units

Professional Economics (double major)

CAREER OPPORTUNITIES

Economist, Foreign Affairs and Trade Officer, Intelligence Analyst

Bachelor's degree: Commerce or Philosophy (Honours)

Economics is fundamental to understanding and designing public policy around issues such as economic growth and stability, trade, competition and regulation, poverty and inequality, health care, and environmental and demographic challenges. This major provides a toolkit of simple yet powerful principles necessary to understand the past, manage the present and plan for the future.

Why study this course

- Understand the causes and consequences of the economic behaviours and interactions of individuals, firms, governments and nations
- Develop valuable skills in economic analysis and rigorous reasoning
- Gain the depth of understanding and skills necessary to enter the profession of economist

You'll learn to

- rationally analyse economic problems using micro- and macro-economics
- interpret and undertake quantitative economic research
- identify and critically reflect on events in Australia's economic history and in the rise of the global economy
- critically evaluate issues in economics
- communicate the results of economic research
- work both as an individual analyst and as a member of a team

This course is a double major.

Prerequisites: Mathematics Applications ATAR with a mathematics unit completed in your first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/professional-economics

handbooks.uwa.edu.au/major/professional-economics

Work and Employment Relations

CAREER OPPORTUNITIES

Human Resource Professional, Management Consultant, Workplace Relations Adviser

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

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

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

handbooks.uwa.edu.au/major/work-and-employment-relations



“Studying at UWA has equipped me with the essential skills to excel in my field. I was able to obtain an internship and, after my studies, a graduate position within industry because of the strong transferable skills and subject matter knowledge I acquired throughout my studies. I also joined the UniMentor program, which allowed me to give back to the UWA community and helped me develop leadership skills highly sought after in industry.”

STEFAN

BACHELOR OF COMMERCE - ACCOUNTING AND FINANCE



Data and Technology

Through interpreting the data and IT behind technological advances, we help to develop, create and improve everyday lives. Join us and gain the knowledge you need for an exciting career in the world of information and technology.

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

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

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

Top five reasons to study Data and Technology at UWA

- Our courses have been developed in consultation with industry to equip students with the skills to succeed in their future careers.
- UWA's unique course model enables you to develop an interdisciplinary skill set, equipping you with critical thinking and soft skills demanded by industry along with technical skills necessary to analyse large amounts of data.
- Our lectures are given by globally renowned experts in the field, who are engaged in world-leading research.
- Majors in this study area are professionally accredited by the Australian Computer Society (ACS).
- Data and technology are part of just about everything that touches our lives. Understanding the different dimensions of computing is part of the necessary skill set for an educated person in the twenty-first century.



Makers Space

The **UWA Makers Space** inspires students on campus to gain practical experience and skills through non-assessed activities. Here, groups of students come together to combine a passion for design, 3D printing, machining, electronics, microcontrollers, software, creative thinking and innovation, solving a range of problems for the UWA research community.



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

LAUREN

BACHELOR OF SCIENCE – COMPUTER SCIENCE AND DATA SCIENCE

Computer Science

CAREER OPPORTUNITIES

App Developer, IT Consultant, Web Developer

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

- This course has been developed in consultation with industry to equip you with the skills to succeed in your future career
- Learn from academics who are engaged in world-leading research
- Computing is a necessary advantage in the skill set of an educated person in the twenty-first century

You'll learn to

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

Popular second majors: Data Science; Engineering Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with additional mathematics units taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/computer-science

handbooks.uwa.edu.au/major/computer-science

“My favourite aspect of studying here is the many opportunities to interact with members of industry. What I’ve enjoyed most is that we are given the chance to work on real projects for industry clients, better preparing us for our careers. Since starting at UWA, I have attended countless industry information and careers events, completed a summer internship and secured degree-relevant part-time work.

I decided to study at UWA because I knew how employable its graduates are. It’s internationally recognised and the only Western Australian university that’s a member of the Group of Eight universities. These things are attractive to employers.”

LINCOLN

BACHELOR OF SCIENCE - DATA SCIENCE AND COMPUTER SCIENCE

Data Science

CAREER OPPORTUNITIES

Programmer/Developer, Analyst, Developer

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Computer Science; Finance; Mathematics and Statistics

Prerequisite: Mathematics Applications ATAR

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/data-science

handbooks.uwa.edu.au/major/data-science

Sample study plan

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

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

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

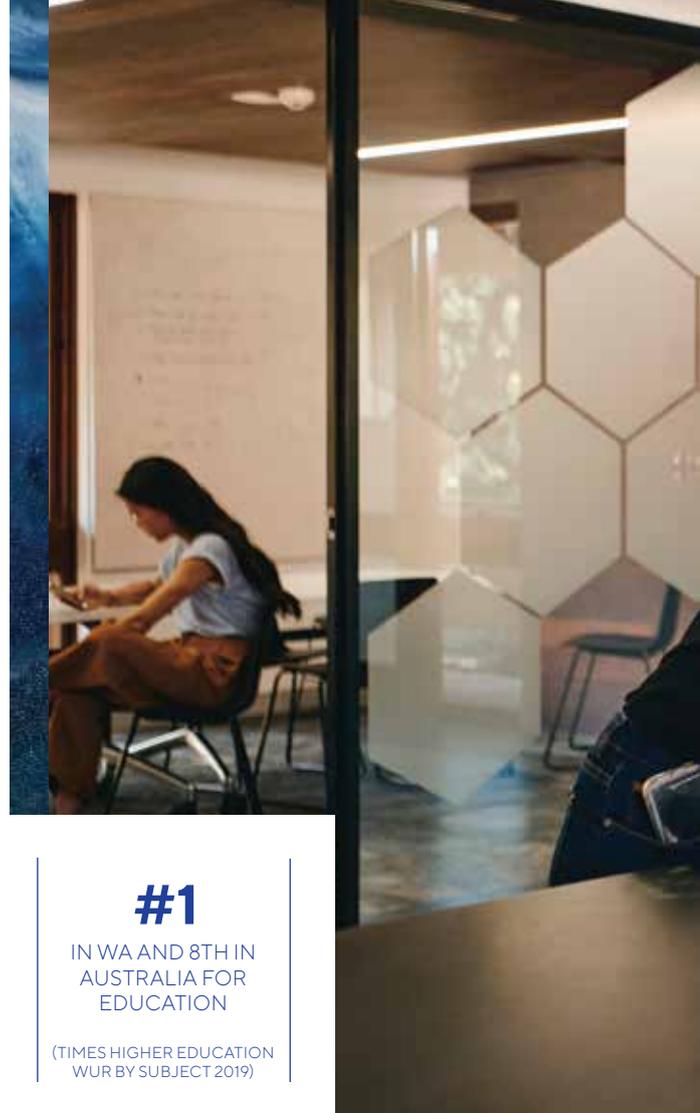
Key: ■ Data Science degree-specific major ■ Computer Science second major ■ Broadening and elective units

Education

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

Top five reasons to study teaching at UWA

- By first completing a bachelor's degree you can develop deep expertise in your chosen areas relevant to teaching.
- Enrolling in a Master of Teaching after your bachelor's degree sets you apart from other teachers and gives you a competitive edge in getting the teaching roles you want. It gives you a qualification that enables you to teach in Australia and beyond.
- Have the option of completing your Master of Teaching in three quarters of the standard time (criteria apply). You can graduate with two degrees in as little as four-and-a-half years.
- The combination of a bachelor's and a master's degree will ensure you have the specialist knowledge and skills to excel as a teacher, as well as the flexibility to explore other career options in your field.
- You'll learn from experienced and passionate education experts at one of the world's top 75 universities for education (Times Higher Education World University Rankings by Subject 2019).



#1

IN WA AND 8TH IN AUSTRALIA FOR EDUCATION

(TIMES HIGHER EDUCATION WUR BY SUBJECT 2019)

Early childhood and primary teaching

To enter the Master of Teaching (Early Childhood or Primary), you'll need any bachelor's degree with at least one year (normally eight units) relevant to one or more learning areas in the early childhood or primary curriculum.

Secondary teaching

To be eligible to enter the Master of Teaching (Secondary), you'll need any bachelor's degree with enough units in a discipline relevant to 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 enough relevant units during your bachelor's degree. Alternatively, you can choose from Career Development, Health, Information and Communication Technology, or Special Education, which have no prerequisites.

If you're thinking of a career in teaching, the Graduate School of Education can advise you on enrolment throughout your undergraduate degree, to make sure you meet the requirements for your desired teaching area.

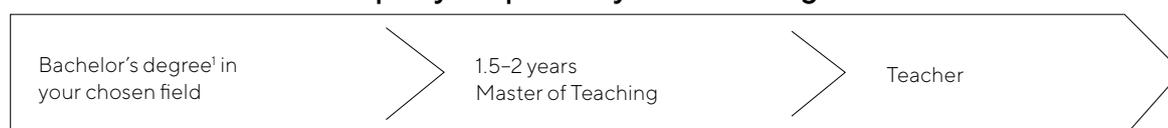


“One of the most satisfying aspects of my role at UWA is the opportunity and privilege to mentor students and be a part of their journey to becoming a teacher. I really enjoy getting to know my students over the course of their degree and maintaining contact after they have graduated when they share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

DR GEMMA SCARPAROLO
LECTURER IN EDUCATION AT UWA

We offer pathways to careers in areas such as Educational Leadership, Education and Teaching via our range of postgraduate courses.

UWA course model example: your pathway to becoming a teacher



YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5 CAREER

¹ Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.

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

INDIANNA
MASTER OF TEACHING (SECONDARY)

Engineering

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

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

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

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

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

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

Top five reasons to study Engineering at UWA

- __ Collaborate with industry leaders to develop practical skills that prepare you for a global engineering career.
- __ Take our Master of Professional Engineering to graduate with a higher-level qualification and wider international recognition than other WA universities.
- __ Gain the skills to deliver major projects on time, safely and within budget.
- __ Benefit from UWA's strong links with industry and its engineering alumni.
- __ Experience high-quality teaching that drives professional learning.



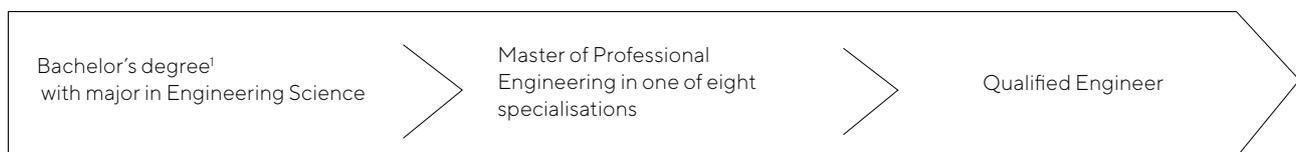


EZONE UWA Student Hub

EZONE UWA will provide an unparalleled student experience, building an innovative and collaborative culture based on a STEM (Science, Technology, Engineering and Mathematics) capability like no other in Australia. When complete (expected 2020), EZONE UWA will be a massive investment in WA's knowledge economy, and will deliver outstanding graduates and innovative solutions.

We offer pathways to careers in areas such as Professional Engineering, Engineering in Oil and Gas, Ocean Leadership and Biotechnology via our range of postgraduate courses.

UWA course model example: your pathway to becoming an engineer



YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

CAREER

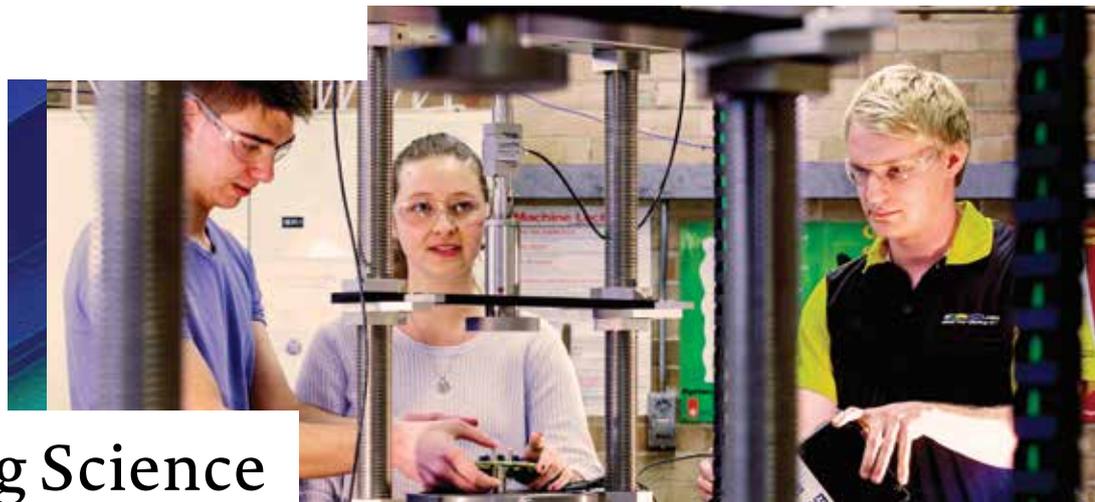
¹ Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.



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

EMMA

MASTER OF PROFESSIONAL ENGINEERING DIRECT PATHWAY



Engineering Science

CAREER OPPORTUNITIES

Biomedical Engineer, Chemical Engineer, Civil Engineer, Electrical and Electronic Engineer, Environmental Engineer, Mechanical Engineer, Mining Engineer, Software Engineer

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

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

You'll learn to

- apply natural and physical sciences to engineering disciplines
- apply mathematical, numerical, statistical and computational sciences that underpin engineering disciplines
- explain the ethical, social, environmental and financial accountabilities, opportunities and constraints of contemporary engineering practice
- demonstrate effective team membership and leadership
- communicate effectively in professional and lay domains
- demonstrate and implement a strong grounding in engineering sciences and design principles

Popular second majors: Finance; Management; Computer Science

Prerequisites: Mathematics Specialist ATAR, Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR or Mathematics Methods ATAR with additional specified units taken in the first year depending on the number of missing prerequisite subjects

Recommended subjects: Mathematics Specialist ATAR, Mathematics Methods ATAR, Chemistry ATAR and Physics ATAR

uwa.edu.au/study/engineering-science

handbooks.uwa.edu.au/major/engineering-science

Sample study plan

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

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

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

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

As an Engineering student, the flexibility to tailor your electives also provides a great way to broaden your employment opportunities and career options once you graduate. As an example, combining mechanical, electronic and software engineering electives will allow you to develop the skills to work as an electrical and electronic engineer, as well as a mechatronics engineer.



“I chose to study Engineering and Finance because I was fascinated by maths and physics in high school. We have opportunities to engage with industry professionals and go on internships and exchange programs; it’s just fantastic. I am around like-minded people who are passionate about their course and where their degree can take them.”

PAULINE

BACHELOR OF SCIENCE - ENGINEERING SCIENCE AND FINANCE

Humanities and Social Sciences

Humanities and Social Sciences equip you to ask and answer the big questions. Explore where we came from, who we are and where we're going; understand the human condition; and develop responses to major societal opportunities, challenges and injustices.

In this area, you can explore everything from the earliest days of humanity and history in Archaeology or Classics and Ancient History, to cutting-edge technologies in Communication and Media Studies. Tackle the great challenges facing society, with Philosophy, Political Science and International Relations, Psychology, Gender Studies, or Anthropology and Sociology. Develop critical cultural engagement by studying History, English and Literary Studies, Asian Studies, Linguistics, or Indigenous Knowledge, History and Heritage. Or learn a language at WA's largest language hub, with four Asian and four European languages on offer.

Studies in Humanities and Social Sciences can open up a wide range of career options locally, nationally and internationally.

Top five reasons to study Humanities and Social Sciences at UWA

- Develop the transferable skills to power lifelong career success in any field, with enduring skills in critical thinking, communicating, collaboration and influencing.
- Gain understanding of local, regional and global challenges.
- Get real-world experience through overseas study, internships and hands-on learning activities.
- Apply your education to benefit communities around the world.
- Open up a broad range of career options in sectors such as government, education, business or the media.





The Mutsumi no ma

The Mutsumi no ma (traditional tatami room) and Japanese Garden are treasured facilities used by students and members of the UWA Japanese Society to enrich their understanding of Japanese life and culture. The room is used for Japanese conversation classes, tea ceremony demonstrations, Japanese flower arrangement, meditation classes and performances of traditional Japanese music.

#1

IN WA FOR ARTS
AND HUMANITIES

(QS WUR BY SUBJECT 2019)

#1

IN WA FOR
PSYCHOLOGY

(QS WUR BY SUBJECT 2019)

#1

IN WA FOR SOCIAL
SCIENCES AND
MANAGEMENT

(QS WUR BY SUBJECT 2019)



After graduating you could choose to enter a career or specialise further with our postgraduate courses in International Relations, Public Policy, Forensic Anthropology, Strategic Communications and more.

UWA course model example: your pathway to becoming a translator



YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

CAREER

¹Students who undertake a Bachelor of Philosophy (Honours) will take four years to complete their undergraduate degree.

“I think the best thing [about the course] is that it’s so practical. We actually go and pick a small business and we get to do a whole social media campaign for them.”

GEORGIA

BACHELOR OF ARTS – COMMUNICATION AND MEDIA STUDIES AND MARKETING

Anthropology and Sociology

CAREER OPPORTUNITIES

Sociologist, Journalist, Policy Consultant

Bachelor's degree: Arts or Philosophy (Honours)

This major incorporates the study of the cultures, institutions, social behaviours, economies and systems of meaning of all human societies, with a focus on understanding Australian society and its relationship to the world. On a personal level, this major offers a perspective on challenges in your everyday life, and encourages you to question your taken-for-granted beliefs and expectations.

Why study this course

- An education in cultural diversity and social change will give you the skills for living and working in an interconnected world, in such fields as international development, cultural heritage and others
- Develop sought-after skills in critical thinking and reflection, careful observation, listening, record-keeping, oral, visual and written expression, and research
- Enhance your ability to communicate interculturally

You'll learn to

- understand key concepts in anthropology and sociology, including cultural diversity, social inequality, the nature of social relationships and institutions, systems of symbolic meaning, and processes that underpin social and cultural change
- critically review, analyse, summarise and synthesise anthropological and sociological research and theory
- formulate, investigate and discuss anthropologically and sociologically informed research questions, and develop arguments based on a critical evaluation of evidence
- communicate to specialist and non-specialist audiences using a range of formats
- deploy anthropological and sociological understandings in a workplace context

Popular second majors: History; Indigenous Knowledge, History and Heritage; Political Science and International Relations

uwa.edu.au/study/anthropology

handbooks.uwa.edu.au/anthropology

Archaeology

CAREER OPPORTUNITIES

Conservator, Archaeologist, Museum Researcher

Bachelor's degree: Arts or Philosophy (Honours)

Study more than three million years of human history in all its facets. This major brings together specialist units of study such as archaeobotany, archaeozoology, dating methods, DNA analysis, fieldwork, heritage, human origins and symbolism, Indigenous archaeology, and rock art. You will develop practical skills through laboratory classes and fieldwork units, with three field schools held each year.

Why study this course

- Gain a comprehensive range of transferable skills that give you a competitive advantage in the job market.
- Work with industry, government, Indigenous groups and the broader community to better understand the past and create sustainable heritage futures
- Participate in internationally recognised, research-led, hands-on training in global and Australian archaeology, with access to the internationally recognised Centre for Rock Art Research and Management and Centre for Forensic Anthropology
- Gain practical skills through labs and field schools

You'll learn to

- demonstrate essential cognitive and social skills such as critical thinking, problem-solving, ethical conduct and working in groups
- display essential practical skills such as OHS practices, understanding legislation, fieldwork and lab-work skills, and working with diverse stakeholders

Popular second majors: Anthropology and Sociology; Classics and Ancient History; History

uwa.edu.au/study/archaeology

handbooks.uwa.edu.au/major/archaeology

Asian Studies

CAREER OPPORTUNITIES

Foreign Affairs and Trade Officer, Cultural Interpreter,
Workplace Relations Adviser

Bachelor's degree: Arts or Philosophy (Honours)

Asian Studies provides knowledge and a solid basis for critically understanding the great diversity of cultures, societies and political systems of Asia, including China, Indonesia and Japan. It explores the impact of the great religions such as Buddhism, Hinduism and Islam, and investigates the dramatic changes that colonialism and revolutions have brought to the people of the region. You'll develop critical knowledge of contemporary Asia and the social, cultural, political and economic forces that are shaping modern societies in the region.

Why study this course

- Gain cross-cultural skills and exciting opportunities to work and travel in the region
- UWA's Asian Studies lecturers hold strong institutional, interdisciplinary and international research and teaching links

You'll learn to

- demonstrate critical knowledge of debates and discourses surrounding contemporary issues in Asia
- understand the complexities of sociocultural, political, economic and environmental transformations and interactions in postcolonial Asia
- demonstrate ethical sensitivity towards our diverse and globalised world
- express original arguments in oral and written forms, and engage with theoretical and academic literature
- conduct independent research
- demonstrate excellent cross-cultural understanding and communication

Popular second majors: History; Indonesian studies; Japanese Studies

uwa.edu.au/study/asian-studies

handbooks.uwa.edu.au/asian-studies

Chinese Studies

CAREER OPPORTUNITIES

Financial Dealer, Foreign Affairs and Trade Officer,
Cultural Interpreter

Bachelor's degree: Arts or Philosophy (Honours)

More than one billion people speak Chinese (Mandarin), making it the world's most spoken language. Study Chinese and open up doors to an exciting international career. This major caters to language levels from beginner to native speaker, and develops language skills, cultural literacy and knowledge of modern China. Classes focus on reading, writing, speaking and listening.

Why study this course

- It caters to all language levels from complete beginner to native speaker
- Develop language skills, cultural literacy and knowledge of modern China, with classes enabling you to engage with real-life situations and authentic texts
- Study in China via UWA's student exchange program

You'll learn to

- demonstrate a good written and spoken linguistic competence in the Chinese language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- identify key ethical, philosophical and social characteristics of Chinese culture, society and history
- engage effectively in a professional manner in the key debates on Chinese history, society and culture, and produce coherent and well-argued written work
- demonstrate transferable skills, such as digital literacy, information management, group working, research skills and critical thinking

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

uwa.edu.au/study/chinese-studies

handbooks.uwa.edu.au/major/chinese-studies

Classics and Ancient History

CAREER OPPORTUNITIES

Academic, Historian, Author

Bachelor's degree: Arts or Philosophy (Honours)

Classics and Ancient History is the study of the languages, literatures, history and material culture of the ancient Greek and Roman civilisations. This major combines study of all these aspects of the two civilisations to give you a holistic picture of this vibrant and eternally relevant era.

Why study this course

- You'll gain an in-depth understanding of two fascinating and foundational world civilisations, and in doing so challenge your understanding of the world through the lens of this ancient heritage
- By studying Greek and Latin, you gain access to the languages that underpin many sciences, and gain an excellent linguistic grounding for modern European languages (including English)
- You'll enjoy unique opportunities to pursue engagement with the ancient world first-hand, with generous bursaries available for travel to Greco-Roman sites

You'll learn to

- synthesise complex, diverse and often fragmentary material, and develop research, critical thinking and communication skills
- describe the chief eras, achievements and enduring legacies of the classical world, and demonstrate in several areas of specialised study a sophisticated appreciation of specific eras or classical authors
- acquire foundational skills in at least one of the classical languages

Popular second majors: Archaeology; History; Philosophy

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

handbooks.uwa.edu.au/major/classics-and-ancient-history

Criminology

CAREER OPPORTUNITIES

Criminologist, Social Policy Officer, Police Officer

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- Get a fascinating look into crime and the criminal justice system
- Criminologists, historians, geographers, forensic scientists, anthropologists and psychologists will be teaching you
- This major pairs well with many other majors because of its interdisciplinarity

You'll learn to

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

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

uwa.edu.au/study/criminology

handbooks.uwa.edu.au/major/criminology

Communication and Media Studies



CAREER OPPORTUNITIES

Editor, Journalist, Advertising Professional

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

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

uwa.edu.au/study/media-studies

handbooks.uwa.edu.au/media-studies

Sample study plan

Bachelor of Arts with degree-specific major in Communication and Media Studies and second major in Marketing

YR1	SEM 1	Power, Participation and Meaning	The Liberal Democratic State	Global Literatures	Introduction to Marketing
	SEM 2	Cultures, New Media and Communications	Changing the World: Social Innovation, Finance and Enterprise	Managing Your Personal Finance	Consumer Behaviour
YR2	SEM 1	Digital Media	Netflix: Cinema and Long-form Television	Adulting: Law for Everyday Lives	Marketing Research
	SEM 2	Communication and Mass Media	Popular Music in Global Perspective	Approaches to Wicked Problems (Summer School)	Advertising and Promotion
YR3	SEM 1	Designing Play	Journalism and Strategic Communication	Entrepreneurship	Digital Marketing
	SEM 2	Media Enterprise in Transition	Media Production Project	Consumers Around the World	Strategic Marketing

Key: ■ Communication and Media Studies degree-specific major ■ Marketing second major ■ Broadening and elective units

English and Literary Studies

CAREER OPPORTUNITIES

Copywriter, Social Media Manager, Teacher

Bachelor's degree: Arts or Philosophy (Honours)

In English and Literary Studies, we take the imagination seriously. We address the creative texts societies produce and ask what they mean. From Shakespeare to Netflix, and from critical theory to creative writing, English and Literary Studies offers units that look at the exciting ways in which literature works in a newly globalised world.

Why study this course

- English helps future-proof your education by developing your ability to write, read, think and interpret
- Expand your understanding of the world through exposure to texts that continually ask questions about life
- Tailor your learning according to your interests and career pathway

You'll learn to

- interpret texts produced in varied cultural and historical contexts, with sensitivity to the generic dimensions, intertextual significance, and formal qualities of those texts
- research, evaluate and make use of critical scholarship
- clearly express ideas, examples and arguments in appropriate written and oral forms
- deploy skills of critical analysis and independent critical reasoning
- work effectively as a member of a collaborative group

Popular second majors: Communication and Media Studies; History; Philosophy

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

handbooks.uwa.edu.au/major/english-and-literary-studies

French Studies

CAREER OPPORTUNITIES

Cultural Interpreter, Financial Market Dealer, Teacher

Bachelor's degree: Arts or Philosophy (Honours)

Studying French is more than simply learning a language, it's an experience that will open your mind to different cultures, enrich you with knowledge of history, and enable you to engage in real-world issues. Study past and present French and francophone literature, films, contemporary society and popular culture, and gain a holistic and stimulating cultural and educational experience.

Why study this course

- Achieve high levels of competency in listening, speaking, writing and reading the French language
- Gain insights into French and francophone cultures throughout the world and learn more about your own culture
- Gain a skill that will add value to any career as well as open up exciting new travel opportunities
- Have the opportunity to participate in an exchange program at leading universities and elite schools throughout France and Canada

You'll learn to

- speak, write, listen and read in the French language at a high level
- appreciate French culture in France and other French-speaking countries around the world

Popular second majors: German Studies; Economics; Political Science and International Relations

uwa.edu.au/study/french-studies

handbooks.uwa.edu.au/major/french-studies

Gender Studies

(second major only)

CAREER OPPORTUNITIES

Social Worker, Policy Adviser,
Parliamentarian

Bachelor's degree: Arts or Philosophy (Honours)

We are in the midst of a new wave of interest in gender, as evidenced through popular cultural phenomena such as #metoo, and public debates and policy challenges about social issues such as political representation, sexual and family violence, transgender rights, or radicalisation. Gender Studies equips you with highly relevant skills and knowledge that can be applied across multiple domains.

Why study this course

- Develop unique skills in social-systems thinking, interdisciplinary collaboration and complex-problem solving
- Cultivate enhanced relational competence
- Grow improved self-awareness

You'll learn to

- demonstrate a comprehensive knowledge of feminist thought, its key shifts, major theorists and philosophical movements
- articulate the complexities of gender as a socially constructed practice situated in time and place, and mediated by other subject positions like race, class, religion, and sexuality
- contextualise the history of women's liberation as a social movement, its links to feminist activism as a form of social justice, and the continuing relevance of linking theory to practice
- draw on feminist methods of research, writing, and thinking about gender
- utilise a discursive vocabulary to clearly articulate arguments around gender, sexuality, ideology, subjectivity, corporeality, and agency

Popular major combinations: Gender Studies is only available as a second major. It pairs well with many majors, such as Communication and Media Studies; Law and Society; and Political Science and International Relations

uwa.edu.au/study/gender-studies

handbooks.uwa.edu.au/major/gender-studies

German Studies

CAREER OPPORTUNITIES

Foreign Affairs and Trade Officer, Journalist,
Cultural Interpreter

Bachelor's degree: Arts or Philosophy (Honours)

This major caters for students at all levels, from absolute beginners to intermediate and native speakers. While becoming fluent in the German language, you will also explore centuries of German history and culture, contemporary film and media, as well as Germany's profound impact on the sciences, music and philosophy, both in Europe and around the world.

Why study this course

- Gain a competitive advantage in almost any field (both internationally and in Australia) through knowledge of a language other than English
- Germany is a world leader in research, development and innovation, as well as 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.

Popular second majors: Engineering Science; Music; Political Science and International Relations

uwa.edu.au/study/german-studies

handbooks.uwa.edu.au/major/german-studies

History

CAREER OPPORTUNITIES

Archivist, Teacher, Conservation Officer

Bachelor's degree: Arts or Philosophy (Honours)

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 will be part of the process by which humanity's memory itself comes to be made.

Why study this course

- Learn about humanity's past
- Discover, debate, discuss and understand the world's history
- Gain skills in research, critical analysis and communication applicable to a wide range of careers

You'll learn to

- understand other times, societies and cultures
- demonstrate an awareness of the world we live in, through reference to humanity's past experience
- demonstrate a knowledge of major historical developments in a range of times and places
- identify main issues in complex historical material
- critically evaluate differences and issues in others' interpretations of historical events
- describe and interpret evidence of past human experience, proposing explanations with reference to concepts such as power, myth, representation, culture, gender, race, colonialism and social structure
- formulate logical arguments
- conduct independent research, making use of historical resources
- demonstrate a knowledge of the causes of historical change in a range of times and places

Popular second majors: Classics and Ancient History; English and Literary Studies; Political Science and International Relations

uwa.edu.au/study/history

handbooks.uwa.edu.au/major/history

History of Art

CAREER OPPORTUNITIES

Art Conservator, Curator, Gallery Director

Bachelor's degree: Arts or Philosophy (Honours)

This major provides you with the knowledge and skills to gain employment in art galleries and museums, community and public art programs, and with auction houses and major collections. You'll graduate with a comprehensive understanding of art and the specific communication skills required to engage in artistic dialogue, plus you'll possess a qualification valued by arts professionals worldwide.

Why study this course

- Explore the ongoing significance of art as a platform for shaping and interpreting the world in which we live
- Some units are taught overseas, and recent destinations include Paris, Rome and China
- You are taught by internationally recognised art historians

You'll learn to

- gather historical knowledge about a wide range of periods and visual media
- critically communicate about visual form
- recognise how art has shaped the history of ideas and how artists have imaged and imagined politics, religion, identity and culture

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

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

handbooks.uwa.edu.au/major/history-of-art

Human Geography and Planning

CAREER OPPORTUNITIES

Geographer, Land Economist, Land Developer

Bachelor's degree: Arts or Philosophy (Honours)

Human geography and planning are the essential disciplines for understanding the complexities of cities and regions, and guiding their sustainable development. This major will guide you through the complex interplay of environmental, economic, social and political processes that influence the spatial organisation of human activities at a range of scales, from global to local.

Why study this course

- The need for human geography and planning experts is becoming essential
- Acquire knowledge and skills to help resolve major urban and regional problems
- Contribute to the creation of liveable communities, vibrant economies and sustainable places

You'll learn to

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

Popular second majors: Anthropology and Sociology; Geographical Sciences; Natural Resource Management

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

handbooks.uwa.edu.au/major/human-geography-and-planning

Indigenous Knowledge, History and Heritage

CAREER OPPORTUNITIES

Curator, Environmental Consultant, Parliamentarian

Bachelor's degree: Arts or Philosophy (Honours)

Explore the world view and historical experiences of Indigenous peoples in Australia, and critically analyse disciplinary interpretations of Indigenous knowledges and peoples, locally, nationally and globally. Taught in an interactive manner, including field trips and excursions, this major will engage you with the perspectives of Indigenous people, Elders in the community and prominent guest speakers.

Why study this course

- Learn about Indigenous peoples and systems of knowledge from multiple perspectives
- The course is taught in a highly interactive manner
- The knowledge, understanding and skills gained complement many other majors

You'll learn to

- understand the experience, history and culture of Aboriginal peoples (particularly in Western Australia)
- study Indigenous systems of knowledge and the relevance of these systems across a broad range of disciplines
- critically evaluate representations of Aboriginal peoples in historical and academic discourse
- understand the major historical and cultural issues that inform present-day Aboriginal disadvantage
- gather knowledge of ethical paradigms in Aboriginal research and how to conduct independent research
- clearly express ideas in discussion and writing

Popular second majors: Anthropology and Sociology; Aboriginal Health and Wellbeing; Fine Arts; Landscape Architecture; Law and Society

uwa.edu.au/study/indigenous-knowledge

handbooks.uwa.edu.au/indigenous-knowledge

Indonesian Studies

CAREER OPPORTUNITIES

Foreign Affairs and Trade Officer, Cultural Interpreter,
Intelligence Analyst

Bachelor's degree: Arts or Philosophy (Honours)

This major enables you to achieve a high level of fluency in the language of Australia's closest neighbour and the world's fourth largest country. As well as learning how to speak, read and write Indonesian, you'll study Indonesia's vibrant culture, ethnically diverse society and never-dull politics, graduating with skills and attributes in demand by employers in both the public and private sectors.

Why study this course

- You will graduate with a portfolio of skills and attributes that are much in demand by employers in both the public and private sectors
- Short-term and semester-long opportunities are available to spend time studying at an Indonesian university – a life-changing experience

You'll learn to

- demonstrate a good written and spoken competence in the Indonesian language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- engage effectively in the key debates on Indonesian history, society and culture in a professional manner, and produce coherent and well-argued written work
- demonstrate competence in a set of transferable skills, including (but not limited to) digital literacy, information management, research skills and critical thinking, as well as an ability to manage and take responsibility for your own learning processes with minimum guidance

Popular second majors: Anatomy and Human Biology; Asian Studies; Political Science and International Relations

uwa.edu.au/study/indonesian-studies

handbooks.uwa.edu.au/major/indonesian-studies

Italian Studies

CAREER OPPORTUNITIES

Cultural Interpreter, Teacher, Journalist

Bachelor's degree: Arts or Philosophy (Honours)

This major will allow you to communicate effectively in Italian, in speaking, writing, listening and reading. It also offers a wide perspective on Italian culture, in Italy itself and in Italian-speaking communities around the world, including Australia. You may start Italian as a beginner, or commence a major following school study or as a near-native speaker.

Why study this course

- Learn to communicate in Italian and learn high-level communication skills that you can transfer to all other areas of study and work
- Gain a richer understanding of the arts, music, design, architecture, opera and food by learning a language considered by many to be the most beautiful in the world
- Enhance your educational experience with exchange programs in Italy

You'll learn to

- communicate effectively in the Italian language in the four macroskills of language acquisition – reading, writing, listening and speaking – rated according to the Common European Framework for Languages
- interact confidently and successfully in situations involving Italian cultural conventions
- interpret Italian texts – written, audio, visual – in the light of Italian culture and society
- move with accuracy and skill between the English and Italian languages and cultures

Popular second majors: French Studies; Linguistics; Management

uwa.edu.au/study/italian-studies

handbooks.uwa.edu.au/major/italian-studies

Japanese Studies

CAREER OPPORTUNITIES

Foreign Affairs and Trade Officer, Journalist,
Cultural Interpreter

Bachelor's degree: Arts or Philosophy (Honours)

This major offers you an insight into one of Asia's foremost economic and cultural powerhouses. You'll learn and develop reading, writing, speaking and listening skills, while exploring contemporary Japanese society and culture. Studying Japanese language, culture and society means taking a significant step towards being Asia-literate – an important attribute for future global citizens, particularly in Australia.

Why study this course

- Study with experts in Japanese studies and language education
- Attend conversation practice and functions in UWA's traditional Japanese tatami room
- Join the Japanese Students' Association for language practice, cultural exchange and networking

You'll learn to

- show competence in the Japanese language in the four skills of language acquisition – reading, writing, listening and speaking
- operate effectively in daily conversations or complex discussions in social and academic work situations
- understand and engage with Japanese-language texts and Japan-relevant English-language material – written, audio or visual – of an intellectual nature in particular areas of interest and expertise
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- engage effectively in the key debates on Japanese history, society and culture in a professional manner
- demonstrate transferable skills such as digital literacy, information management, group working, research skills and critical thinking

Popular second majors: Asian Studies; Linguistics; Marketing

uwa.edu.au/study/japanese-studies

handbooks.uwa.edu.au/major/japanese-studies

Korean Studies

CAREER OPPORTUNITIES

Linguist, Cultural Interpreter, University Lecturer

Bachelor's degree: Arts or Philosophy (Honours)

Learn to speak and write Korean while exploring Korean societies, politics and culture, and developing an understanding of the two Koreas' place in the world.

Why study this course

- South Korea is one of Australia's most important trading partners, a cultural juggernaut of popular culture, and a world leader in innovation and research in engineering, technology and medical sciences, so graduates with good Korean linguistic and socio-cultural skills are highly sought-after in the local and global job market
- Gain the linguistic skills to succeed in Korea-related careers after graduation, and a solid understanding of Korean society, culture, history and politics
- Have the option of studying at one of UWA's partner institutions in South Korea

You'll learn to

- demonstrate a good written and spoken linguistic competence in the Korean language
- understand how culturally specific social structures affect interpersonal communication, and determine how to apply this knowledge to your own interactions in a culturally sensitive manner
- identify key ethical, philosophical and social characteristics of Korean culture, society and history
- engage effectively in a professional manner in the key debates on Korean history, society and culture, and produce coherent and well-argued written work
- demonstrate transferable skills such as digital literacy, information management, group working, research skills and critical thinking

Popular second majors: Communication and Media Studies; Economics; Linguistics

uwa.edu.au/study/korean-studies

handbooks.uwa.edu.au/major/korean-studies

Law and Society

CAREER OPPORTUNITIES

Academic, Public Relations, Policy Analyst

Bachelor's degree: Arts or Philosophy (Honours)

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

Why study this course

- Our fascinating range of broad units are an excellent foundation of law
- Develop your empathy, reasoning skills and teamwork skills as you collaborate with others on projects
- Improve your analytical and research skills

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

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

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

handbooks.uwa.edu.au/major/law-and-society

Linguistics

CAREER OPPORTUNITIES

Teacher, Speech Therapist, Translator

Bachelor's degree: Arts or Philosophy (Honours)

From sounds and words to how language is used in different societies and cultures, linguistics is the study of language and communication. This major aims to provide the broadest grounding in contemporary linguistics and enables you to specialise in your areas of interest. You'll have the opportunity to work on a variety of linguistic topics including grammatical descriptions, language variation, change and history, semantics, anthropological linguistics, or the study of Australian Aboriginal languages.

Why study this course

- Linguistics is a robust educational foundation that equips you with the core skills an employer looks for, in particular, good communication and thorough analysis
- Linguistics is the study of language, and language is key to most human interactions. As such, studying linguistics opens many doors.

You'll learn to

- understand key focuses of, and key concepts in, core sub-areas of linguistics – phonetics, phonology, morphology, syntax, discourse analysis, semantics, pragmatics, sociolinguistics, and historical linguistics
- describe key features of major approaches to language structure, use and variation
- demonstrate knowledge of the diversity of structures across languages
- critically interpret and synthesise the content of scholarly publications in linguistics

Popular second majors: Anthropology and Sociology; Computer Science; Psychology in Society

uwa.edu.au/study/linguistics

handbooks.uwa.edu.au/major/linguistics

Philosophy

CAREER OPPORTUNITIES

Policy and Planning Manager, Academic, Journalist

Bachelor's degree: Arts or Philosophy (Honours)

The study of philosophy involves thinking about some of the big questions we ask during our lifetime. You will explore a vast range of influential ideas, from the ancient philosophers, whose works are preserved in manuscripts from India, China and Greece, right down to cutting-edge contemporary work on pressing ethical issues, the nature of mind and artificial intelligence.

Why study this course

- Develop advanced reasoning and communication skills, depth and breadth of view, and the ability to think critically and creatively
- Improve your employment prospects while doing something that truly broadens your mind
- UWA is the only university in Western Australia that teaches units in formal logic

You'll learn to

- analyse and evaluate arguments
- distinguish between good arguments and bad arguments, irrespective of their subject matter, and thus make informed decisions and recommendations on contentious issues
- demonstrate clarity of thought
- separate distinct issues, consider them independently and think out the consequences of positions on them
- demonstrate the general skills for thinking about problems and tasks, and framing and evaluating solutions
- frame, express and convey ideas – your own and other people's – in a clear and convincing way
- appreciate the value of different perspectives on life, society and knowledge

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

uwa.edu.au/study/philosophy

handbooks.uwa.edu.au/major/philosophy

Philosophy, Politics and Economics (double major)

CAREER OPPORTUNITIES

Diplomat, Economic/Political Journalist, Policy Adviser

Bachelor's degree: Arts or Philosophy (Honours)

Combining economic thinking, moral philosophy and politics, this double major will prepare you for employment in professions that deal with a broad scope of political and economic life. You'll identify and evaluate assumptions underpinning philosophical, political and/or economic viewpoints on social and legal topics, and demonstrate sound skills in research, written and oral communication.

Why study this course

- Study three disciplines, each of which are the culmination of centuries of development
- Be able to look at, and understand, things from different perspectives
- Open up a broad range of interesting potential opportunities for employment and/or postgraduate study

You'll learn to

- integrate philosophical, political and economic ideas and independently construct arguments
- understand and apply contemporary methods
- identify and evaluate assumptions underpinning viewpoints on social and legal topics

This course is a double major.

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

handbooks.uwa.edu.au/major/philosophy-politics-and-economics



Political Science and International Relations

CAREER OPPORTUNITIES

Parliamentarian, Journalist, Chief Executive Officer

Bachelor's degree: Arts or Philosophy (Honours)

Develop core knowledge and professional skills to understand and critically engage with the politics of our complex, dynamic and globalised world. This major will give you an understanding of governments and political systems in Australia and internationally, and the values and ideologies that have motivated political action in modern society.

Why study this course

- Prepare for a wide range of careers, gaining both the ability to identify connections between global, national and local phenomena, and skills in research, analysis, cross-cultural awareness, critical thinking, problem solving and communication
- Access many internship and study abroad options
- A range of important international think tanks established at UWA contribute to the teaching and learning of this major

You'll learn to

- demonstrate an appreciation of the nature and significance of politics as a human activity
- demonstrate knowledge of multiple political systems
- demonstrate knowledge of influential normative ideas or ideologies that inform political activity

Popular second majors: Economics; History; Law and Society

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

handbooks.uwa.edu.au/major/political-science

Sample study plan

Bachelor of Arts with degree-specific major in Political Science and International Relations and second major in Economics

YR1	SEM 1	The Liberal Democratic State	Health and Illness in Human Populations	Chinese 1	Microeconomics: Prices and Markets
	SEM 2	The Contemporary International System	Health and Globalisation	Chinese 2	Macroeconomics: Money and Finance
YR2	SEM 1	Foundations of Global Political Economy	Aboriginal Health and Wellbeing	Asian Societies and Cultures	Microeconomics: Policy and Applications
	SEM 2	Foundations of Public Policy	Politics in the USA	Rise of the Global Economy	Macroeconomics: Policy and Applications
YR3	SEM 1	Islam and World Politics	China Field Study (Summer School)	Development Economics	International Trade
	SEM 2	Social Movements and the Politics of Change	WA Parliamentary Research Program	Australia and Asia	Economic Policy

Key: ■ Political Science and International Relations degree-specific major ■ Economics second major ■ Broadening and elective units

Psychology

(double major)



CAREER OPPORTUNITIES

Social Worker, Educator, Psychologist*

Bachelor's degrees: Arts or Science or
Philosophy (Honours)

Psychology is a fascinating and diverse area of study that touches upon many aspects of daily life. The Psychology double major will help you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these, and the relationship of these processes to brain function.

Why study this course

- UWA is ranked in the top 50 in the world for psychology
- This double major is a three-year undergraduate sequence in psychology, awarded accreditation by the Australian Psychology Accreditation Council (APAC)
- We are one of two psychology schools in Australia to have its research rated 'well above world standard'

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

This course is a double major.

Prerequisites: Mathematics Applications ATAR or a mathematics unit taken in the first year (if taken via the Bachelor of Science)

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/psychology

handbooks.uwa.edu.au/major/psychology

Sample study plan

Bachelor of Science with a double major in Psychology

YR1	SEM 1	Psychology: Mind and Brain	Mathematics Fundamentals	Being Human: Culture, Identity and Society	Music Ensemble 1
	SEM 2	Psychology: Behaviour in Context	Drugs that Changed the World	Language as a Cognitive System	Music Ensemble 2
YR2	SEM 1	Introduction to Quantitative Methods in Psychology	Psychology and Social Behaviour	Social Thought	Communication and Project Planning in Health
	SEM 2	Industrial and Organisational Psychology	Language, Culture and Society	Society, Law and Politics	Ethnography: Methodological Perspectives
YR3	SEM 1	Intermediate Quantitative Methods in Psychology	Psychological Science in the Modern World	Cognitive Psychology	Psychology: Lifespan Development
	SEM 2	Psychological Measurement and Its Application	Psychology: Specialist Research Topics	Adult Psychopathology	Perception and Sensory Neuropsychology

Key: ■ Psychology double major ■ Broadening and elective units

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

Psychological Science

CAREER OPPORTUNITIES

Counsellor, Academic, Education Adviser

Bachelor's degree: Science or Philosophy (Honours)

Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements? Psychology is the scientific study of mental processes and behaviour, and is a challenging and wide-ranging discipline.

This major will provide you with a scientific understanding of our psychological processes and the relationship of these processes to brain function. You will also develop an understanding of how these psychological processes are affected by ageing, brain damage and disease.

Why study this course

- UWA ranks in the top 50 in the world for psychology
- This major provides a scientific understanding of how humans learn, remember and think – giving you more well-rounded skills that are attractive to employers
- A psychology degree is one that is increasingly valued by employers for the analytical and reasoning skills it gives you

You'll learn to

- demonstrate knowledge and understanding of psychological processes and their relationships with neurobiology
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- gain skills in the analysis and presentation of quantitative data

Popular second majors: Anatomy and Human Biology; Exercise and Health; Neuroscience

Prerequisites: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/psychological-science

handbooks.uwa.edu.au/major/psychological-science

Psychology in Society

CAREER OPPORTUNITIES

Health and Welfare Professional, Counsellor, Youth Worker

Bachelor's degree: Arts or Philosophy (Honours)

Psychology is a fascinating and diverse area of study that touches on many aspects of daily life. This major helps you build a scientific understanding of human behaviour and its underlying psychological processes. The major has a particular emphasis on developmental psychology, social psychology, intelligence and personality, and abnormal psychology.

Why study this course

- Psychology is relevant for a wide range of careers
- Learn from experts at the cutting edge of the discipline
- Build a scientific understanding of human behaviour and its underlying psychological processes

You'll learn to

- demonstrate knowledge and understanding of selected psychological processes, their development, and the relationships between them
- demonstrate knowledge and understanding of the scientific method in psychology
- demonstrate critical thinking in psychology, including an appreciation of the use of the scientific method to study psychological processes
- demonstrate skills in the analysis and presentation of quantitative data
- demonstrate effective written and oral communication
- work effectively as a team member in solving problems

Popular second majors: Anthropology and Sociology; Human Resource Management; Marketing

uwa.edu.au/study/psychology-in-society

handbooks.uwa.edu.au/major/psychology-in-society

Spanish Studies

CAREER OPPORTUNITIES

Diplomat, Teacher, Cultural Interpreter

Bachelor's degree: Arts or Philosophy (Honours)

Spanish is the second most-spoken native language in the world, and UWA is the only university in WA to offer Spanish Studies. Achieve competency in listening, speaking, writing and reading the language. Experience the culture and learn about the lifestyle and achievements of Spaniards both in Spain and in the 20 Spanish-speaking countries around the world.

Why study this course

- More than 580 million people around the world speak Spanish as a native or second language
- Acquire a skill highly regarded by employers as a complement to skills such as engineering and business
- Network and enhance your skills through the Conversation Club, student exchange opportunities, and links with cultural organisations such as the Cervantes Institute, the Cine Latino and Spanish Film Festival, and the Embassy

You'll learn to

- show competence in the Spanish language in the four macroskills of language acquisition – reading, writing, listening and speaking – rated according to the Common European Framework for Languages (CEFR)
- interact confidently and successfully in situations involving Spanish cultural conventions
- interpret Spanish language texts – written, audio, visual – in the light of Spanish cultures and societies
- shift with accuracy and skill between the English and Spanish languages and cultures

Popular second majors: German Studies; History; Linguistics

uwa.edu.au/study/spanish-studies

handbooks.uwa.edu.au/major/spanish-studies

"Studying a language opens so many doors, not only to different countries and cultures but also to a huge range of employment opportunities and new and different ways of thinking."

DR KATI TONKIN

SENIOR LECTURER IN GERMAN STUDIES AND HISTORY AT UWA



Life, Agriculture and Environmental Science

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

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

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

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

Top five reasons to study Life, Agriculture and Environmental Science at UWA

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



Plant Growth Facility

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

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



#1

IN AUSTRALIA AND
18TH IN THE WORLD
FOR AGRICULTURAL
SCIENCES

(ARWU 2019)

#1

IN AUSTRALIA AND
19TH IN THE WORLD
FOR ENVIRONMENTAL
SCIENCE AND
ENGINEERING

(ARWU 2019)

#28

IN THE WORLD FOR
OCEANOGRAPHY

(ARWU 2019)

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



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

DR TALITHA SANTINI

SENIOR LECTURER IN ENVIRONMENTAL SCIENCE AT UWA

Agricultural Science

CAREER OPPORTUNITIES

Agricultural Scientist, Environmental Consultant, Environmental Manager

Bachelor's degree: Science or Philosophy (Honours)

Australia's agricultural industry is a key part of the world's food supply system. 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 this major, you'll investigate how to address this demand through an understanding of the complex factors shaping agricultural systems.

Why study this course

- Jobs in Agricultural Science are experiencing strong growth, which is expected to continue for at least the next five years (joboutlook.gov.au)
- UWA is ranked 1st in Australia and 18th in the world for Agricultural Sciences (ARWU 2019)
- Our units have hands-on practical elements, and you will go on multiple field trips to apply your knowledge to real-life situations

You'll learn to

- show knowledge of the biology of key plants, animals and other organisms, and how climate, soils and farm management practices influence them
- demonstrate knowledge about socioeconomic issues
- critically apply your knowledge and skills to improve production, profitability and environmental performance
- become a broad thinker who is scientifically skilled and able to respond to challenges such as climate change and an increasing world population

Popular second majors: Botany; Conservation Biology; Environmental Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units; and Chemistry ATAR or an additional chemistry unit taken in the first year

uwa.edu.au/study/agricultural-science

handbooks.uwa.edu.au/major/agricultural-science

Botany

CAREER OPPORTUNITIES

Research Scientist, Environmental Consultant, Horticulturalist

Bachelor's degree: Science or Philosophy (Honours)

Botany is the scientific study of plants, from their structure and function to their indispensable roles in ecosystems and the intricacies of their cell function. Botanists study how plants evolve and adapt to changing climates and environments, and have a proactive role in mitigating the loss of biodiversity.

Why study this course

- UWA is ranked 1st in Australia and in the world's top 50 for Biological Sciences (ARWU 2019)
- It's perfect if you are enthusiastic about Western Australia's unique native flora or agricultural crops, and are interested in addressing current and future threats to plant conservation and sustainability.
- There are up to three overnight field trips on which you'll get the chance to apply your knowledge in real-life situations

You'll learn to

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

Popular second majors: Agricultural Science; Conservation Biology; Environmental Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

Recommended subject: Chemistry ATAR

uwa.edu.au/study/botany

handbooks.uwa.edu.au/major/botany

Conservation Biology

CAREER OPPORTUNITIES

Research Scientist, Environmental Consultant, Biologist

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

- UWA is ranked 1st in Australia and in the world's top 50 for Biological Sciences (ARWU 2019)
- Study near the South West of Western Australia, one of the world's 25 'biodiversity hotspots' (Conservation International)
- Apply your knowledge in real-life situations on field trips

You'll learn to

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

Popular second majors: Agricultural Science; Botany; Environmental Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

Recommended subject: Chemistry ATAR

uwa.edu.au/study/conservation-biology

handbooks.uwa.edu.au/major/conservation-biology

“My high-school science teachers were always telling us UWA was the best place to study if you wanted a science major because of its strong academic and research background. By coming here, I knew I would be well-provided with all the knowledge and skills I needed. I've enjoyed going on field trips, such as doing land and environmental assessments. That really helps us build up our practical experience, which will definitely be useful when we work in the industry. Having access to so many resources – not only library resources like articles, textbooks and so on, but also facilities such as lab equipment, soil samples and access to UWA farms – is also enormously helpful.”

JIA

BACHELOR OF SCIENCE - ENVIRONMENTAL SCIENCE

Environmental Science

CAREER OPPORTUNITIES

Environmental Consultant, Conservation Officer, Environmental Compliance Officer



Bachelor's degree: Science or Philosophy (Honours)

Environmental Science assesses the impact of human activity on the global environment and develops scientific, risk-focused solutions to help secure a sustainable future. Environmental scientists deal with issues such as climate change, carbon trading, greenhouse gas emissions, and more. This major encompasses both the biological and the earth sciences.

Why study this course

- UWA is 1st in Australia and 19th in the world for Environmental Science and Engineering (ARWU 2019)
- The South West of Western Australia is one of the world's 25 'biodiversity hotspots', making WA an ideal living laboratory for study
- It is expected there will be 14,000 job openings in the next five years, with weekly wages being higher than the average (joboutlook.gov.au)

You'll learn to

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

Popular second majors: Agricultural Science; Botany; Conservation Biology

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year (students without ATAR Mathematics will take two first-year mathematics units); and Chemistry ATAR or an additional chemistry unit taken in the first year

uwa.edu.au/study/environmental-science

handbooks.uwa.edu.au/major/environmental-science

Sample study plan

Bachelor of Science with degree-specific major in Environmental Science (Biology specialisation) and second major in Agricultural Science

YR1	SEM 1	Environmental Science and Technology	Communicating Science	Environmental Economics 1	Feeding the World
	SEM 2	Disasters!	Plant and Animal Biology	Structures and Systems	Environmental History
YR2	SEM 1	Ecology	Soil Science	Environmental Economics 2	Introductory Chemistry
	SEM 2	Global Climate Change and Biodiversity	Environmental Design	Plants and Landscape Systems	Pasture and Livestock Systems
YR3	SEM 1	Land Capability Assessment	Environmental Assessment	Soil-Plant Interactions	Agricultural Economics and Marketing
	SEM 2	Environmental Dynamics	Ecological Processes	Crops and Cropping Systems	Clean, Green and Ethical Production

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

Geographical Sciences

CAREER OPPORTUNITIES

Conservation Officer, Environmental Manager, Geographer

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

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

You'll learn to

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

Popular second majors: Environmental Science; Botany; Agricultural Science

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

uwa.edu.au/study/geographical-sciences

handbooks.uwa.edu.au/major/geographical-sciences

Geology

CAREER OPPORTUNITIES

Geologist, Environmental Scientist, Geophysicist

Bachelor's degree: Science or Philosophy (Honours)

Study how the Earth formed and evolved during the past 4.4 billion years, including the origin of continents, oceans, atmosphere and life, and how natural processes deep within Earth's interior shape the surface on which we live. Interpret geological processes and Earth history, and discover the formation of important resources and how climate and environments change through time.

Why study this course

- As most of Australia's mineral and petroleum resources are in Western Australia, UWA is the ideal place to study Geology
- UWA is well-equipped for teaching and research in Geology, with access to some of the world's most advanced analytical equipment and super-computing facilities
- Gain hands-on experience in field research, group work and leadership during multiple week-long field trips

You'll learn to

- demonstrate knowledge of key geological concepts and major geological processes operating at local to global scales
- demonstrate relevant practical skills to solve geological problems, with emphasis on fundamental fieldwork skills
- demonstrate developed skills in interpretation and integration of geoscience data to solve geoscience problems
- demonstrate developed skills in communicating knowledge and interpretations

Popular second majors: Agricultural Science; Botany; Conservation Biology

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

uwa.edu.au/study/geology

handbooks.uwa.edu.au/major/geology

Marine Science

CAREER OPPORTUNITIES

Conservation Officer, Environmental Consultant,
Research Scientist

Bachelor's degree: Science or Philosophy (Honours)

Study Marine Science in Western Australia, where up to 80 per cent of the fish, invertebrates and other organisms are found nowhere else in the world. This major includes marine biology and ecology, marine and coastal management, and oceanography, combining knowledge of marine aquatic life with a solid understanding of the physical environment.

Why study this course

- Western Australia's marine environment is a biodiversity hotspot, making it an ideal living laboratory for your studies
- You can choose from two specialisations: Coastal and Ocean Systems, or Marine Biology
- You'll learn how modern technology has revolutionised oceanography, and how increased data availability enables advanced analysis for better understanding of the world's oceans

You'll learn to

- appreciate the complex interactions between the physical and biotic components of marine ecosystems
- understand the range of scales at which these interactions can occur
- demonstrate a knowledge of the diversity, life-history strategies and functional traits of marine biota
- appreciate how the interactions between the physical and biotic components can influence decisions about sustainable management
- conduct quantitative marine research in a safe and professional manner

Popular second majors: Agricultural Science; Botany; Conservation Biology

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year

Recommended subject: Chemistry ATAR

uwa.edu.au/study/marine-science

handbooks.uwa.edu.au/major/marine-science

Natural Resource Management

CAREER OPPORTUNITIES

Agricultural Consultant, Environmental Manager,
Conservation Officer

Bachelor's degree: Science or Philosophy (Honours)

This major is suited to students interested in science, conserving natural resources in a sustainable manner, and playing a role in the future of our environment.

Why study this course

- UWA is 1st in Australia and 19th in the world for Environmental Science and Engineering (ARWU 2019)
- Learn to help society resolve conflicts, caused by the increasing demands of growing populations, over the use of natural resources and the conservation of the environment
- Have the opportunity to investigate agricultural production and environmental impacts in a real-world context, during a field trip to Vietnam

You'll learn to

- apply economic principles to environmental management decisions
- understand the policy instruments available for managing environmental problems
- use environmental valuation technique
- understand the role of each tier of government in environmental policy and planning
- apply project and risk-management concepts and techniques in practical situations
- understand main drivers of environmental degradation
- assess the impact of social, economic, and cultural differences when designing strategies for long-term management of environmental pollution across local, regional and global scales

Popular second majors: Agricultural Science; Botany; Conservation Biology

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

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

handbooks.uwa.edu.au/major/natural-resource-management

Science Communication

(second major only)

CAREER OPPORTUNITIES

Conservation Officer, Journalist, Media Presenter

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

If you are creative, enjoy science, and want to work with people, Science Communication is for you. Science communicators increase engagement with important issues that have science at their core. This major will teach you how to communicate effectively with diverse audiences, ranging from school children to scientists, using a range of media and genres.

Why study this course

- Gain excellent written, oral and visual communication skills while working with industry experts
- UWA is one of only two universities in Australia to offer undergraduate Science Communication programs
- You'll develop a Science Communication portfolio including writing, videos, podcasts, professional reports, presentations, exhibits, posters and websites

You'll learn to

- understand how scientific knowledge is made, and be able to interpret scientific information
- create effective and engaging materials to communicate scientific information to diverse audiences using a range of media
- create effective strategies that identify and align purpose, key messages and media with specific audiences
- appraise the social context in which both science and science communication occur
- demonstrate a capacity for self-reflection and an understanding of ethical issues in both science and science communication

Science Communication is only available as a second major. It pairs well with many majors, such as Conservation Biology, Geology and Zoology.

Prerequisite: Mathematics Applications ATAR or a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/science-communication

handbooks.uwa.edu.au/major/science-communication

Zoology

CAREER OPPORTUNITIES

Biologist, Conservation Officer, Zoologist

Bachelor's degree: Science or Philosophy (Honours)

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

Why study this course

- It will provide you with the opportunity to study animals and their habitats
- You'll gain 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

- demonstrate basic knowledge of the development, structure and functioning of animals, ecological processes, and animal diversity in a phylogenetic context
- demonstrate awareness of the local importance of animals in a conservation context
- demonstrate awareness of the ethics of working with animals
- understand methods of working with animals under laboratory conditions
- demonstrate knowledge of sampling and handling animals under field conditions

Popular second majors: Agricultural Science; Botany; Conservation Biology

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

Recommended subject: Chemistry ATAR

uwa.edu.au/study/zoology

handbooks.uwa.edu.au/major/zoology

Music and Fine Arts

Realise your full creative potential with studies in Music and Fine Arts.

Graduates of the UWA Conservatorium of Music perform in every major orchestra in Australia and as chamber musicians and soloists around the world. They are award-winning composers, creators, artists, producers and sound designers, influencing the landscape of music in Australia and globally.

At the UWA School of Design, students can take a Fine Arts major that's the only one of its kind in Australia. In the first year, you'll develop fundamental practical skills in tandem with conceptual and theoretical knowledge. In the following two years, you'll select from three specialist pathways: art and biotechnologies; film; or art and environment.

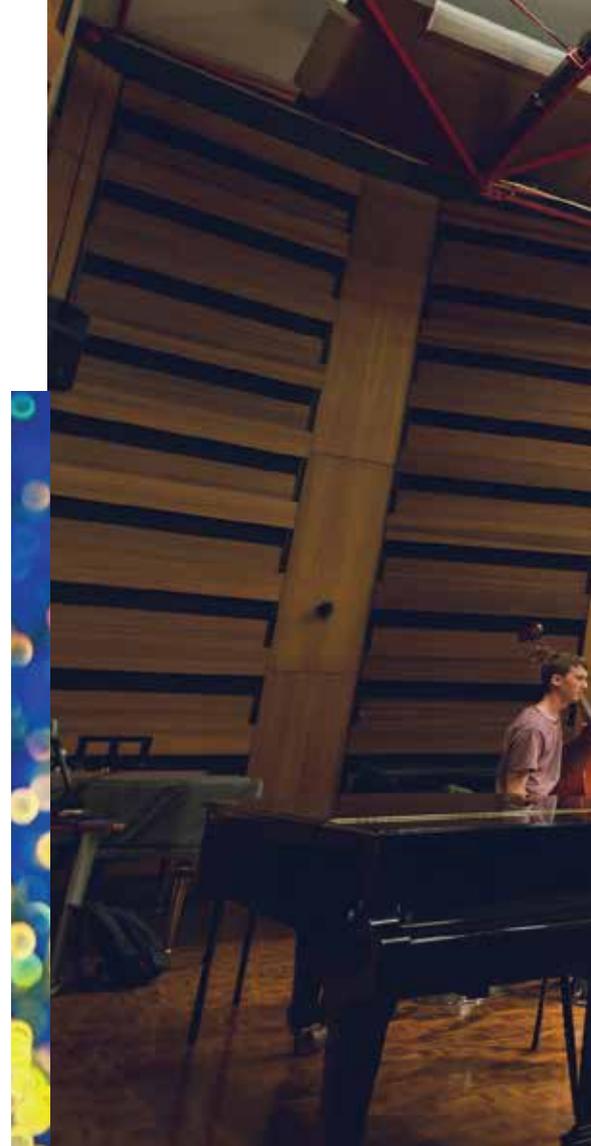
Whether you are seeking a career in the arts or simply want to pursue your passions alongside any other area of study, our unique course model enables you to incorporate Music and Fine Arts studies into your UWA experience.

Our alumni

Many UWA Music and Fine Arts graduates have gone on to illustrious careers. Notable examples include Elise Reitze-Swensen (part of the electronic duo Feels), soprano Sara Macliver, Perth Festival Artistic Director and composer Iain Grandage, ARIA Award winner James Ledger, and Academy Award winner Shaun Tan.

Top five reasons to study Music and Fine Arts at UWA

- Our courses have strong practical and creative components.
- Learn from renowned artists and musicians who have extensive industry experience.
- Prepare for a career in the arts by exhibiting at the stunning Cullity Gallery, or regularly performing on stage (solo, and in small and large ensembles).
- Have opportunities for immersive international experiences, such as a two-week Bali Studio program.
- Access outstanding facilities, including art studios and practice rooms, the Cullity Gallery, the Callaway Auditorium and the Eileen Joyce Studio (home to the Conservatorium's early keyboard collection).





Callaway Music Auditorium

This purpose-built performance space can be adapted to suit everything from small and intimate shows through to full orchestral performances. The auditorium features outstanding acoustics and two concert grand pianos for performer use.



#1

EMPLOYER
REPUTATION IN WA
FOR ART AND DESIGN

(QS WUR BY SUBJECT 2019)

200+

MUSIC
PERFORMANCES
PER YEAR

IN THE
WORLD'S TOP 100
FOR PERFORMING
ARTS

(QS WUR BY SUBJECT 2019)

After graduating you could choose to enter a career or specialise further with our postgraduate courses in Fine Arts, Curatorial Studies, Biological Arts, Musical Arts and more.

“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

Fine Arts

CAREER OPPORTUNITIES

Arts Professional, Film Director, Media Producer

Bachelor's degree: Arts or Philosophy (Honours)

This intensive, studio-based course will prepare you for a successful career as a contemporary artist. Work closely with practising artists and experts from areas such as curatorial practice, art theory and history of art, and explore artistic processes, techniques and technologies that will help establish you in the fields of contemporary art and culture.

Why study this course

- It's the only studio-based program in Australia that develops your artistic skills while allowing you to focus on one of three areas of creative practice: Film; Art and Biotechnologies; or Art and Environment
- It's taught by world-class, internationally recognised artists

You'll learn to

- undertake research and create concepts
- develop your ideas into art in the studio
- develop artistic skills in a variety of methods
- turn your ideas into developmental concepts unique to the framework of creative art

Popular second majors: History of Art; Communication and Media Studies

uwa.edu.au/study/fine-arts

handbooks.uwa.edu.au/major/fine-arts

History of Art

CAREER OPPORTUNITIES

Art Conservator, Curator, Gallery Director

Bachelor's degree: Arts or Philosophy (Honours)

This major provides you with the knowledge and skills to gain employment in art galleries and museums, community and public art programs, and with auction houses and major collections. You'll graduate with a comprehensive understanding of art and the specific communication skills required to engage in artistic dialogue, plus you'll possess a qualification valued by arts professionals worldwide.

Why study this course

- Explore the ongoing significance of art as a platform for shaping and interpreting the world in which we live
- Some units are taught overseas, and recent destinations include Paris, Rome and China
- You are taught by internationally recognised art historians

You'll learn to

- gather historical knowledge about a wide range of periods and visual media
- critically communicate about visual form
- recognise how art has shaped the history of ideas and how artists have imaged and imagined politics, religion, identity and culture

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

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

handbooks.uwa.edu.au/major/history-of-art

Music: Electronic Music and Sound Design

CAREER OPPORTUNITIES

Sound Designer, Audio Engineer, Performing Artist

Bachelor degree: Arts or Philosophy (Honours)

Combine your love of music and technology in this creative-focused major, which allows you to explore industry-relevant techniques and technologies.

Why study this course

- Learn to use the latest technology to write and produce music for film, video games, audio installations and electronic music, taught by industry specialists
- Combine your music and creativity with other subjects

You'll learn to

- demonstrate compositional technique and identify relevant historical and stylistic conventions
- articulate broad historical perspectives on the nature and contexts of electronic music and sound art
- critically engage with key works from the early twentieth century to the present day

- understand the physical properties of sound
- create original electronic music and sound artworks
- develop specialised sound-design techniques applicable in key industries of film/TV, documentary, commercials and video gaming
- use specialised computer-programming techniques for the development of custom interactive software and hardware instruments
- develop transferable skills in creative and critical thinking, research, project planning and presentation.

Popular second majors: Computer Science; Music Studies; Music General Studies

uwa.edu.au/study/music-electronic-music-and-sound-design

handbooks.uwa.edu.au/major/music-electronic-music-and-sound-design

Sample study plan

Bachelor of Arts with a degree-specific major in Music: Electronic Music and Sound Design and second major in Computer Science

YR1	SEM 1	Music Theory for Electronic Musicians	Musical Revolutions	German Beginners 1	Software Engineering with Java
	SEM 2	Electronic Music: Methods and Means	German Beginners 2	Popular Music in a Global Perspective	Relational Database Management Systems
YR2	SEM 1	Electronic Music: Generative Processes	Electronic Music: Experimental Investigations	Creative Writing; Theory and Practice	Data Structures and Algorithms
	SEM 2	Electronic Music: Interactive Systems	Sound, Image and Space	Cultures, New Media and Communications	Systems Programming
YR3	SEM 1	Sound Art: Advanced Studio	Digital Media	Computer Networks	Graphics and Animation
	SEM 2	Sound Art: Major Project		Algorithms, Agents and Artificial Intelligence	Professional Computing

Key: ■ Music: Electronic Music and Sound Design degree-specific major ■ Computer Science second major ■ Broadening and elective units



Music General Studies

CAREER OPPORTUNITIES

Musician, Teacher, Artistic Director

Bachelor's degree: Arts or Philosophy (Honours)

Combine your passion for performance or composition with other fields of study. In Music General Studies, you can develop your skills in musicology and participate in practical music-making, receiving expert one-on-one performance or composition tuition.

Why study this course

- UWA is ranked in the world's Top 100 for Performing Arts (QS WUR by Subject 2019)
- Have more performance opportunities than any other 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

Popular second majors: Engineering Science; Law and Society; English and Literary Studies

Prerequisite: Audition to demonstrate a musical background equivalent to AMEB Grade 5

uwa.edu.au/study/music-general-studies

handbooks.uwa.edu.au/major/music-general-studies

Sample study plan

Bachelor of Arts with degree-specific major in Music General Studies and second major in Physiology

YR1	SEM1	Practical Studies A	Music Large Ensemble 1	Being Human: Culture, Identity and Society	Human Biology I: Becoming Human
	SEM2	Practical Studies B	Music Large Ensemble 2	Education for a Global Knowledge Society	Human Biology II: Being Human
YR2	SEM1	Music and Practices of Listening	Practical Studies C	Music Large Ensemble 3	Physiology of Human Body Systems
	SEM2	Music in Action	Active Leadership 1: Developing Leadership Skills	Mental Wellbeing for Today's World	Physiology of Cells
YR3	SEM1	Practical Studies D	Music Large Ensemble 4	Physiology of Membranes, Muscles and Signalling	Physiology of Cardiovascular and Respiratory Systems
	SEM2	Music in Film, TV and Video Games	Advanced Ensemble	Physiology of Nutrition and Metabolism	Physiology of Integrated Organ Function

Key: ■ Music General Studies degree-specific major ■ Physiology second major ■ Broadening and elective units

Music Specialist Studies

(second major only)

CAREER OPPORTUNITIES

Performing Musician, Conductor, Composer

Bachelor's degree: Arts or Philosophy (Honours)

Study music at UWA in one of the world's highest-ranked performing-arts programs. Whether you love performing or composing, Music Specialist Studies equips you with the skills for a career in the music profession. Work with world-class musicians to develop your skills as an emerging musician or composer.

Why study this course

- UWA is ranked in the world's Top 100 for Performing Arts (QS WUR by Subject 2019)
- More performances than any other West Australian classical tertiary program. Performance is at the heart of all studies
- Take part in regular performances, and benefit from staff who are actively engaged in music-making at the highest level

You'll learn to

- demonstrate a commanding instrumental, vocal or composition technique
- identify, describe and apply advanced concepts and devices in music language (harmony, rhythm, melody, timbre, texture, dynamic)
- show knowledge of key issues relating to music, including music psychology, musical memory, practice strategies, and music and communication
- display a high level of musicianship in presentation of solo or ensemble works, or a commanding compositional technique

Music Specialist Studies is only available as a second major, taken in combination with the Music Studies major.

Prerequisites: A successful audition (required standard AMEB Grade 7 or above) and/or a portfolio of compositions

uwa.edu.au/study/music-specialist-studies

handbooks.uwa.edu.au/major/music-specialist-studies

Music Studies

CAREER OPPORTUNITIES

Musician, Composer, Music Journalist

Bachelor's degree: Arts or Philosophy (Honours)

Innovate, create, and expand your knowledge through performance, composition or musicology. Develop your artistic and creative skills while gaining a broad grounding in music, with the opportunity to choose a specialist area of music study, in addition to studying common core units.

Why study this course

- UWA is ranked in the world's Top 100 for Performing Arts (QS WUR by Subject 2019)
- More performances than any other Western Australian classical tertiary program
- Take part in regular performances, and 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

Popular second major: Music Specialist Studies

Prerequisite: Successful audition if taken as a first major (no audition required if taken as a second major)

uwa.edu.au/study/music-studies

handbooks.uwa.edu.au/major/music-studies

Physical Sciences and Mathematics

Studies in Physical Sciences aim to uncover the underlying laws of nature – often written in the language of mathematics. It is a collective term for areas of study including chemistry, physics and others.

If you're a natural problem-solver, develop your skills to tackle the fast-paced challenges in today's world. Gain the knowledge for complicated problem-solving and prepare for a rewarding career in fields such as astronomy, medical physics and statistics.

Mathematics is humanity's most powerful tool for comprehending the universe and is essential for many fields of modern endeavours such as science, technology, engineering and finance. Study at UWA's Department of Mathematics and Statistics involves data analysis, forecasting, decision-making and detailed problem-solving, while determining creative ways to improve modern life with mathematical tools and techniques. Research in this department covers matrix groups and computational group theory, permutation groups, graph theory, finite geometry and buildings, and matroid theory.



“The world is quickly changing, and governments, industry, and research organisations are all looking for people with the skills to innovate and seek new answers to problems. Big data, statistical learning and quantitative modelling are some of the most important skills in the changing world. UWA is not only the best university in Western Australia, with an incredible campus culture of clubs and societies, but it is also the best at connecting students with bleeding-edge research, self-development opportunities, and leading industry thinkers.”

LUKE

BACHELOR OF PHILOSOPHY (HONOURS) – MATHEMATICS AND STATISTICS, AND ECONOMICS

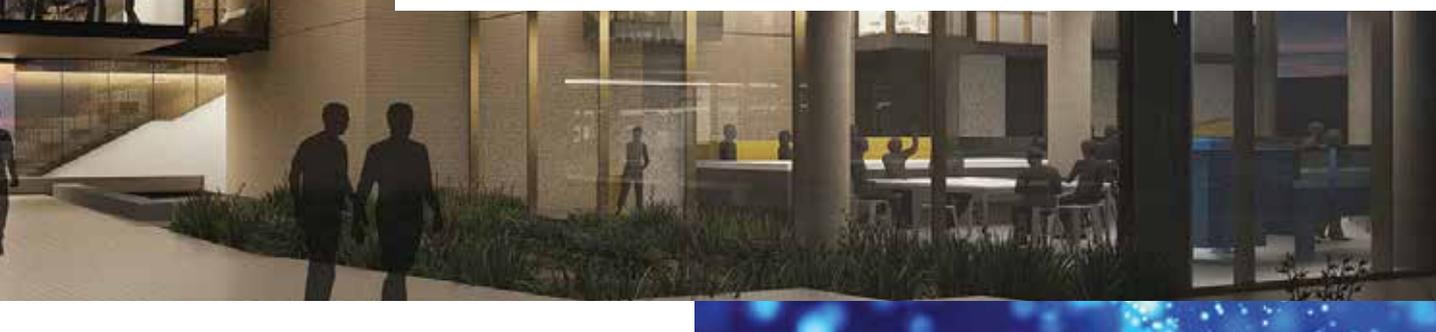




EZONE UWA Student Hub

EZONE UWA Student Hub is a new building where students can transform their Science, Technology, Engineering and Mathematics (STEM) education, and will house the best student-experience space in Australia for connecting these areas.

The world-class learning facility is expected to open in 2020 and will be an impressive new resource for creating outstanding graduates and innovative solutions to global challenges.



Top five reasons to study Physical Sciences and Mathematics at UWA

- Learn from researchers who are experts in applied and pure mathematics, statistics, astronomy and astrophysics, computational physics, experimental physics, medical and biomedical physics, and theoretical physics.
- Mathematics is essential in many fields of modern endeavour, such as science, technology, engineering and finance.
- Gain skills in data analysis, forecasting, decision-making and detailed problem-solving.
- Determine creative ways to improve modern life with mathematical tools and techniques.
- Benefit from the Department of Physics' century-long history, excellence in research, and close ties with local industry, hospitals, observatories, schools, and government research organisations.

After graduating you could choose to enter a career or specialise further with our postgraduate courses in Biotechnology, Geoscience, Ore Deposit Geology, Petroleum Geoscience, Physics and more.

Chemistry

CAREER OPPORTUNITIES

Scientist, Educator, Entrepreneur

Bachelor's degree: Science or Philosophy (Honours)

Develop an understanding of the mechanisms, reactions and processes that occur at the molecular level, and study the elements that make up all matter and how they interact with each other to construct living organisms, transmit power from the sun, produce minerals and fuel environmental processes.

Why study this course

- Chemistry is foundational to all areas of modern science and technology, including biochemistry, green chemistry, chemical engineering, food science, materials science, geology, nanotechnology and pharmacology
- Gain the knowledge to be part of major advances in medicine, drugs, nanotechnology, new materials and the environment
- There is a high demand for Chemistry graduates in a wide variety of industries

You'll learn to

- analyse chemical data, develop and test hypotheses, interpret experimental results and present outcomes in oral and written formats
- solve chemical problems including calculations of yields, dilutions, stoichiometry in chemical reactions
- demonstrate knowledge of the properties of common classes of chemicals and materials
- demonstrate knowledge of chemical kinetics, thermodynamics, spectroscopy, reaction mechanisms, equilibria and periodic properties

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Engineering Science

Prerequisites: Chemistry ATAR or an additional chemistry unit taken in the first year. Mathematics Methods ATAR or Mathematics Applications ATAR with additional mathematics units taken in the first year

Recommended subjects: Mathematics Specialist ATAR, Mathematics Methods ATAR and Chemistry ATAR

uwa.edu.au/study/chemistry

handbooks.uwa.edu.au/major/chemistry

“I did an undergraduate major in Chemistry with a second major in Physics. I have always had an interest in how the world works at a fundamental level and so I pursued a degree in Science. After finishing my Bachelor of Science, I found that I really enjoyed the crossover of Physics and Chemistry, so I decided to do Honours. After three years of study, I really enjoy the professional relationships one forms with the lecturers and academics. Additionally I have made some great friends during my studies.”

CHRISTIAN

BACHELOR OF SCIENCE - CHEMISTRY AND PHYSICS

Genetics

CAREER OPPORTUNITIES

Forensic Scientist, Geneticist, Environmental Scientist

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

If you are fascinated by the world of genetics and want to understand the universal principles, potentials and problems associated with DNA-based life, this course will satisfy your curiosity and prepare you to become a geneticist. Gain essential skills through a combination of hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations.

Why study this course

- Learn how traits are inherited, how genetic processes control development and diseases
- Benefit from a combination of hands-on sessions in the laboratory, teamwork, interactive tutorials and theoretical foundations
- Open yourself up to various career opportunities in agriculture, biochemistry, botany, conservation biology, ecology, medicine, microbiology, molecular biology and zoology

You'll learn to

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

Popular second majors: Anatomy and Human Biology; Biochemistry and Molecular Biology; Botany

Prerequisites: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year. Students without ATAR Mathematics will take two first-year mathematics units

Recommended subject: Chemistry ATAR

uwa.edu.au/study/genetics

handbooks.uwa.edu.au/major/genetics

Mathematics and Statistics

CAREER OPPORTUNITIES

Software Developer, Teacher, Financial Analyst

Bachelor's degree: Science or Philosophy (Honours)

Mathematics is humanity's most powerful tool for comprehending the universe, and is essential for many fields of modern endeavour such as science, technology, engineering and finance. This major will equip you with the mathematical tools and techniques of key disciplines of pure mathematics, applied mathematics and mathematical statistics.

Why study this course

- Mathematics underpins the data analysis, forecasting, modelling, decision-making and problem-solving principles on which modern society depends
- The UWA Department of Mathematics and Statistics was awarded 5 out of 5 in Excellence of Research Australia in Mathematical Sciences (Pure and Applied Mathematics)
- Mathematics opens many career doors

You'll learn to

- demonstrate exposure to axiomatic systems and the fundamentals of mathematics (pure mathematics)
- establish the truth of a statement, and write correct and convincing proofs (pure mathematics)
- demonstrate exposure to continuous and discrete mathematics models (applied mathematics)
- reduce a problem to mathematically tractable elements and understand its applicability (applied mathematics)
- understand the mathematical and practical consequences of chance variation (mathematical statistics)
- use modern statistical computing packages for analysis and simulation (mathematical statistics)

Prerequisites: Mathematics Specialist ATAR and Mathematics Methods ATAR or Mathematics Methods ATAR and an additional mathematics unit taken in the first year

Recommended subjects: Mathematics Specialist ATAR and Mathematics Methods ATAR

uwa.edu.au/study/mathematics-and-statistics

handbooks.uwa.edu.au/major/mathematics-and-statistics



Physics

CAREER OPPORTUNITIES

Astronomer, Physicist, Research Scientist

Bachelor's degree: Science or Philosophy (Honours)

Knowledge of physics is the driving force behind most new technologies, from radars to lasers, transistors to quantum computers. This major gives you access to the frontiers of modern physics via a focus on mathematical as well as experimental skills. This includes key pillars of relativity and quantum physics with applications to atomic, nuclear and particle physics, condensed matter physics, photonics and astrophysics.

Why study this course

- Understand the most advanced technologies, and explore fundamental questions, from the tiniest particles to the great cosmos and everything in between
- It is an incredibly exciting time for physics – on the horizon is an international race to make the first universal quantum computer, while ultra-sensitive experiments are being developed in search of dark matter and dark energy
- Benefit from our strong foundation for research – in the most recent ERA (Excellence in Research for Australia) ranking exercise, we scored 5 out of 5 in all areas assessed

Sample study plan

Bachelor of Science with degree-specific major in Physics and second major in Mathematics and Statistics*

YR1	SEM 1	Physics for Scientists and Engineers	Multivariable Calculus	Multivariable Calculus	Being Human: Culture, Identity and Society
	SEM 2	Mathematical Theory and Methods	Modern Physics	Mathematical Theory and Methods	Computational Thinking with Python
YR2	SEM 1	Quantum Physics and Electromagnetism	Introduction to Applied Mathematics	Network Science	Logic: How to Defeat Your Foes with Reasoning
	SEM 2	The Physics of Particles	Advanced Mathematical Methods	Fundamentals of Probability with Applications	Statistics for Science
YR3	SEM 1	Quantum Mechanics and Atomic Physics	Astrophysics and Space Science	Nonlinear Dynamics and Chaos	Algebraic Structures and Symmetry
	SEM 2	Electrodynamics and Relativity	Frontiers in Modern Physics	Spatial Statistics and Modelling	Discrete Structures

Key: ■ Physics degree-specific major ■ Mathematics second major ■ Broadening and elective units

*This plan takes into account all prerequisites and recommended prerequisites for the Physics and Mathematics and Statistics units.



Science Communication

(second major only)

CAREER OPPORTUNITIES

Conservation Officer, Journalist, Media Presenter

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

If you are creative, enjoy science, and want to work with people, Science Communication is for you. Science communicators increase engagement with important issues that have science at their core. Learn how to communicate effectively with diverse audiences ranging from school children to scientists, using a range of media and genres, from digital media to exhibitions.

Why study this course

- Gain excellent written, oral and visual communication skills while working with industry experts
- UWA is one of only two universities in Australia to offer undergraduate Science Communication programs
- You'll develop a Science Communication portfolio including writing, videos, podcasts, professional reports, presentations, exhibits, posters and websites

You'll learn to

- understand how scientific knowledge is made, and be able to interpret scientific information
- create effective materials to communicate scientific information to diverse audiences using a range of media
- create effective strategies that identify and align purpose, key messages and media with specific audiences
- appraise the social context in which both science and science communication occur
- demonstrate a capacity for self-reflection and an understanding of ethical issues in both science and science communication

Available as a second major only. It pairs well with many majors, such as Microbiology and Immunology, Conservation Biology, Physics and Chemistry.

Prerequisite: Mathematics Applications ATAR *or* a mathematics unit taken in the first year

Recommended subject: Mathematics Methods ATAR

uwa.edu.au/study/science-communication

handbooks.uwa.edu.au/major/science-communication

You'll learn to

- develop increasing levels of conceptual understanding of physical principles, underpinning a wide range of applications
- develop and apply problem identification, exploration and solution skills in physical situations that range from simple to complex
- apply increasing levels of mathematics in the expression and communication of physical concepts
- develop in-depth understanding of physics measurement, experimental technique, quantitative analysis and data analysis

Popular second majors: Mathematics and Statistics; Engineering Science; Computer Science

Prerequisites: Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR *or* Mathematics Methods ATAR and Physics ATAR, with an additional mathematics unit taken in the first year

Recommended subjects: Mathematics Specialist ATAR, Mathematics Methods ATAR and Physics ATAR

uwa.edu.au/study/physics

handbooks.uwa.edu.au/major/physics

A unique campus

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

Featuring expansive green spaces, cafés and shops, as well as a multitude of modern teaching and research facilities, our campus provides students with an ideal learning environment.



— ENJOY THE SCENERY OF MATILDA BAY





— SOCIALISE IN ONE OF OUR
MANY **UNIVERSITY CAFÉS**



— WATCH A MOVIE
UNDER THE STARS AT
SOMERVILLE AUDITORIUM



— RELAX IN A
HERITAGE-LISTED GARDEN



— DISCOVER UWA'S
CULTURAL PRECINCT

UWA's Guild Village

Home to shops, food outlets, a medical centre, banks and other student amenities.



— HANG OUT AT
GUILD VILLAGE

UWA's Albany Centre

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



— UWA'S **ALBANY CENTRE**



Student life

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

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

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

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

Extracurricular courses and programs | Through collaborations with industry partners, we offer a range of free leadership, entrepreneurial and other courses to expand your skillset and advance your career.

Food and drink | Enjoy a variety of cuisines from cafés and a range of food outlets on campus and in the neighbourhood.

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

Internships | Gain valuable experience for your future career.

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

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

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

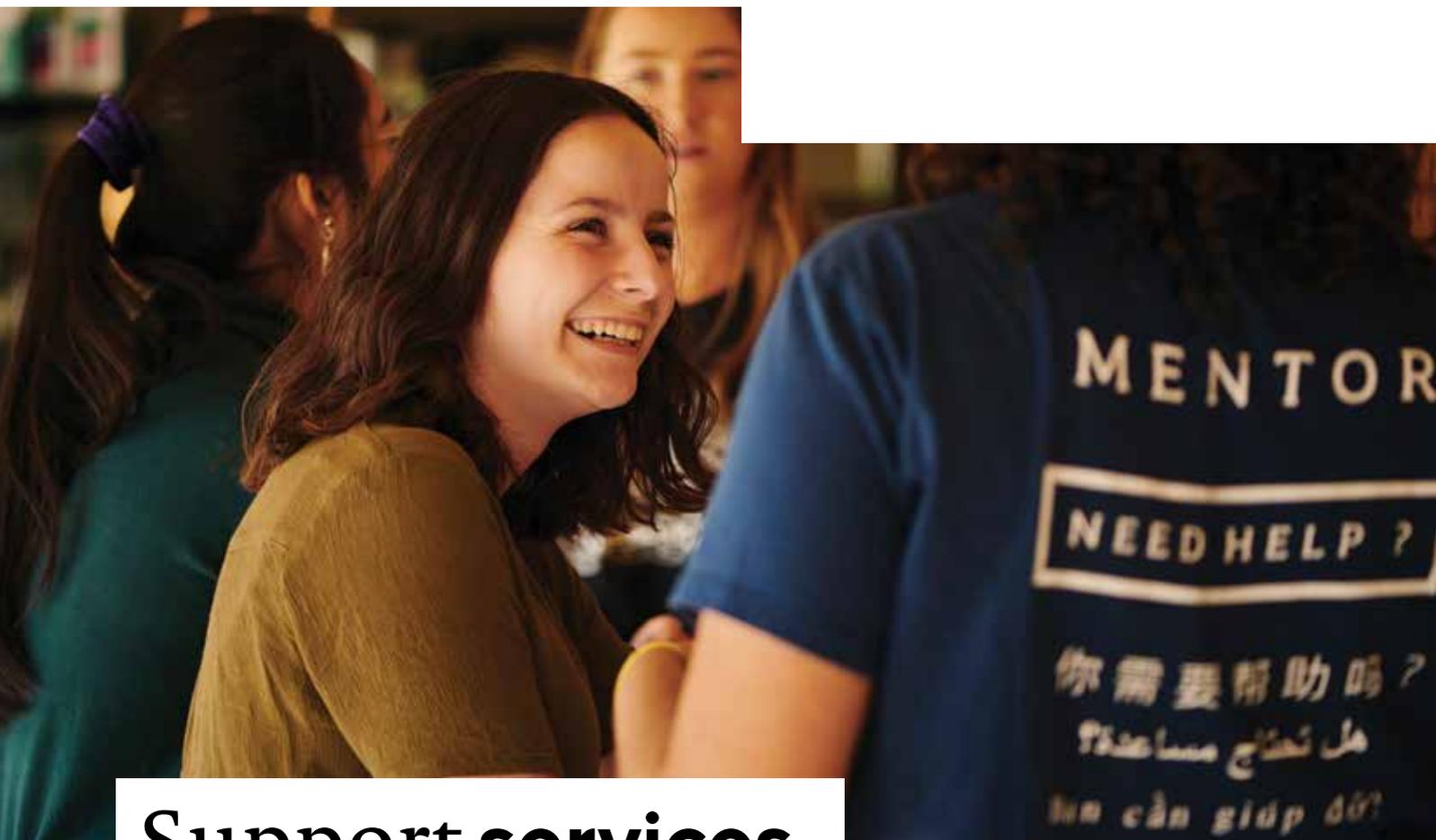
Student clubs and faculty societies | With more than 160 clubs and societies you're sure to find a perfect fit.

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

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

uwa.edu.au/study/student-life





Support services

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

Academic support | One-on-one support, 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 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.

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

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.

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

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

Best of all, you'll make lifelong friends from all over the world!

Find out more uwa.edu.au/colleges
 Apply now livingoncampus.uwa.edu.au
 Contact us residentialcolleges@uwa.edu.au

There are five colleges to choose from:



ST CATHERINE'S COLLEGE
STCATHERINES.UWA.EDU.AU



ST GEORGE'S COLLEGE
STGC.UWA.EDU.AU



ST THOMAS MORE COLLEGE
STMC.UWA.EDU.AU



UNIVERSITY HALL
UNIHALL.UWA.EDU.AU



TRINITY RESIDENTIAL COLLEGE
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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



Calculating your ATAR

ATAR is the Australian Tertiary Admission Rank. It is important to remember that it is a ranking, and not a percentage.

An ATAR (Australian Tertiary Admission Rank) ranges from zero to 99.95, and reports your rank position relative to all other students. It takes into account the number of students who sit the WACE examinations in any year and also the number of people of Year 12 school-leaving age in the total population.

For example, if you have an ATAR of 80.00, this indicates you've achieved as well as, or better than, 80 per cent of the Year 12 school-leaving population.

Your ATAR is calculated from your Tertiary Entrance Aggregate (TEA). Your TEA is the sum of your best four scaled scores in WACE subjects, plus any applicable bonuses.

More information on calculating your ATAR can be found at tisc.edu.au.

ATAR bonuses for LOTE and higher-level mathematics

UWA offers an ATAR bonus to students who study a recognised Language Other Than English (LOTE) and/or higher-level mathematics (Mathematics Methods, Mathematics Specialist) in Year 12.

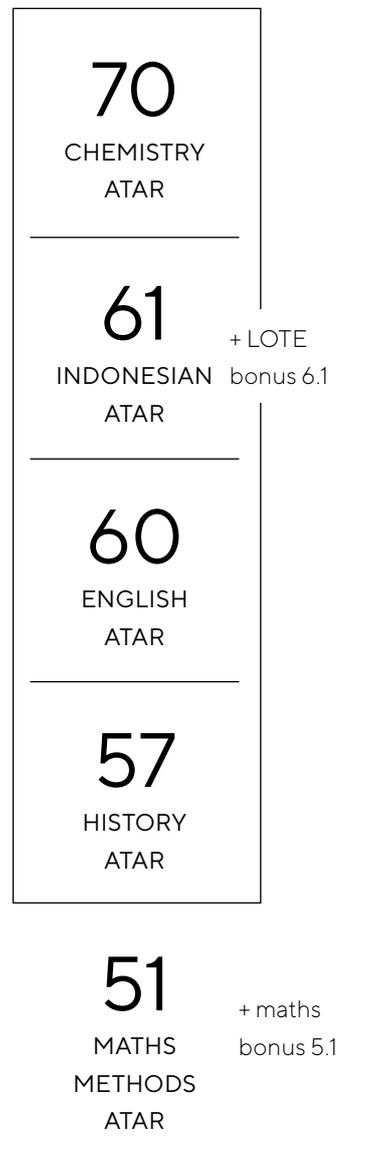
The bonus is added to your TEA by calculating 10 per cent of your final scaled scores in your LOTE and higher-level mathematics subjects. The bonus will increase your ATAR for entry into UWA.

It is important to note that you can only receive the LOTE bonus on one LOTE subject. You will still be eligible to receive the LOTE and higher-level mathematics bonuses even if these subjects were not in your best four.

For further information, call the Future Students Centre on **131 UWA (131 892)** or visit ask.uwa.edu.au.

How an ATAR score is calculated (example)

Top four subjects = TEA of 248 | ATAR 81.55 (pre-bonus)



After bonus TEA = 248 + 6.1 + 5.1 = 259.2
After bonus ATAR = 85.0

Based on 2019 TEA to ATAR ranking.
ATAR calculation may vary from year to year.

How to apply



Tertiary Institutions Service Centre (TISC)

Apply through TISC if you are currently a Year 12 student or completing a secondary education qualification as a mature-age student. Students applying for one of UWA's Direct Pathway programs or our Medical Sciences major should also apply via TISC. All other applicants may apply directly to UWA.

TISC applications via tisc.edu.au open in early August and close in late September (refer to the TISC website for updated application dates).

Direct applications

If you have completed Year 12 at WACE/TEE level (or equivalent), or studied at another university or a TAFE college, you may be able to use the results from your study to apply directly to UWA. You may do this via UWA Apply at any time applications are open. UWA Mature-age Access Program and Access UWA students may also apply online.

Visit uwa.edu.au/study/apply for more information on how to apply.

Early Offers

If you are in Year 12 you may be eligible to apply for a UWA Early Offer. For more information, visit uwa.edu.au/study/how-to-apply/early-offers.

We're here to help

If you are unsure if your results qualify you for entry, or you would like more details on how to apply, contact our Future Students Centre to discuss your options. Call us on **131 UWA (131 892)**, or visit ask.uwa.edu.au.

Entry pathways

Are you a school-leaver?

To be eligible for UWA's undergraduate degrees based on current or previous Australian Year 12 studies, applicants must have completed the relevant state or territory's Certificate of Education and achieved the minimum Australian Tertiary Aggregate Rank (ATAR), or an equivalent Overall Position (OP) or International Baccalaureate (IB) score.

For a list of all equivalent qualifications visit uwa.edu.au/study/entry-requirements

First in Family

If you have received an ATAR of 75.00 to 79.95 and will be the first in your family to attend university, this program allows you to apply for one of our four undergraduate degrees, through a positive ATAR adjustment.

uwa.edu.au/study/first-in-family

Broadway UWA

The Broadway scheme allows eligible students from a Broadway-identified Western Australian school to receive an automated ATAR adjustment. Students may be eligible for a place at UWA with an ATAR score of 75.00 or above.

uwa.edu.au/study/broadway

Fairway UWA

Fairway UWA offers support and activities throughout Year 12 for students who have faced challenging circumstances. Successful completion of the program provides those with an ATAR of 70.00 or higher an admission entry pathway to any of our three-year undergraduate degree courses.

uwa.edu.au/study/fairway

UWay

School-leaver applicants and those completing mature-age WACE courses who believe their academic achievements have been adversely affected by certain disadvantages may apply for special consideration through this scheme. Special consideration is given to exceptional cases on an individual basis prior to each round of offers. Application forms are sent to WA secondary school principals in August and are available online, along with further information about the application process and closing dates.

uwa.edu.au/study/uway

AccessUWA

AccessUWA allows you to study the individual units of your choice at UWA without having to enrol in a degree course. As a student enrolled on a not-for-degree basis, you will have the option to apply for a bachelor's degree program once you have successfully completed four assessed degree-level units through AccessUWA.

Depending on the units selected, you may also apply to have these units credited towards your degree.

uwa.edu.au/study/accessuwa

Do you have university, college or TAFE experience?

Higher Education study

If you have previously studied at a bachelor's degree level and have successfully completed one full-time (or equivalent) semester, then you can apply for entry to UWA. Applications for credit transfer/advanced standing are assessed individually.

Australian Qualifications Framework (AQF)

If you have qualifications at diploma level or above (AQF5 or AQF6) from a registered training organisation (RTO), you will be considered for entry to UWA and may be eligible for credit transfer/advanced standing. If the Diploma and/or Advanced Diploma is one year in duration and completed within the last two years then English will be satisfied.

For more information on transferring to UWA, go to uwa.edu.au/study/how-to-apply/entry-standards.



Are you 20 years old or above (mature-age student)?

You are considered a mature-age student if you are at least 20 years of age at 1 March in the year you intend to commence university study for Semester 1, or at 1 August for Semester 2.

Mature-age Access Program

Through the UWA Mature-age Access Program (MAP), students without any previous academic qualifications may be offered the opportunity to study at UWA on a provisional basis.

uwa.edu.au/study/map.

Previous study

If you completed Year 12 at WACE/TEE level (or equivalent), you may be able to use these results to apply directly to UWA.

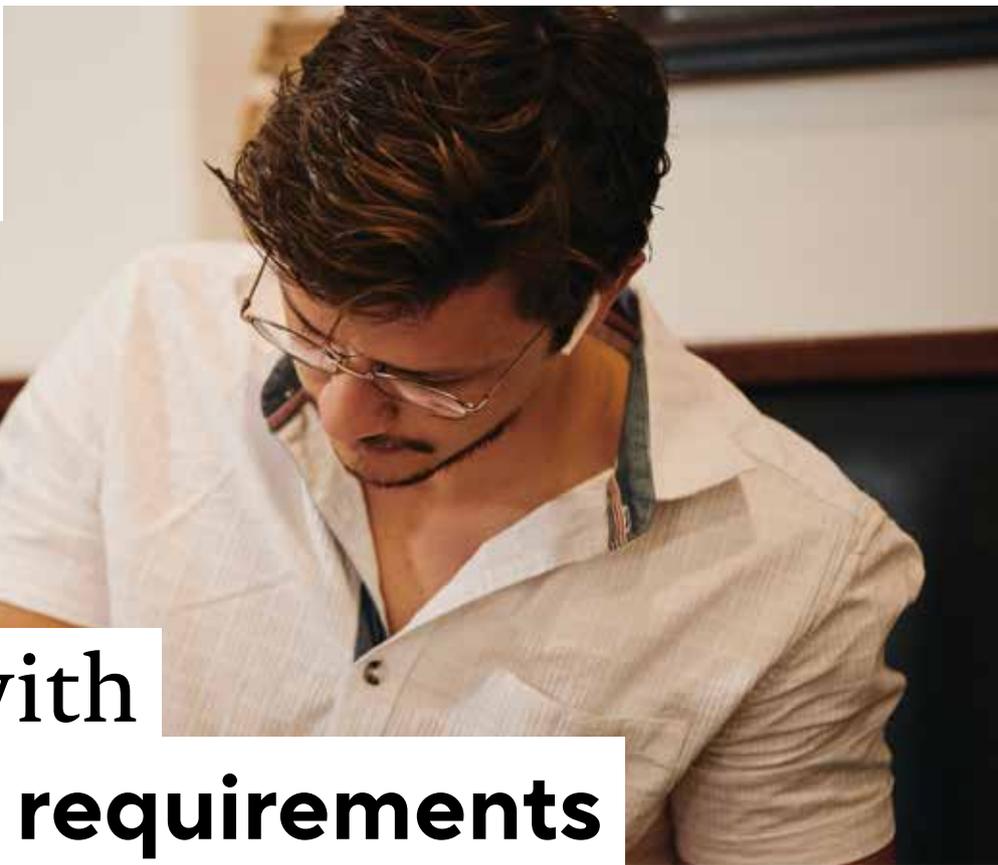
No matter how long ago you completed Year 12, if you are unsure if your results qualify you for entry, contact our Future Students Centre to discuss your options.

Special Tertiary Admissions Test (STAT)

As a mature-age applicant you may use results in the STAT to gain entry to a bachelor's degree in Arts, Biomedical Science, Commerce, or Science. If you decide to sit the Special Tertiary Admissions Test, you'll need to achieve a minimum of 140 in the Verbal section and a minimum of 160 in the Written English section. If these minimum scores are met, this will also meet UWA's English Language Competence (ELC) requirement.

We're here to help

If you have any questions give us a call on **131 UWA (892)** or visit ask.uwa.edu.au.



Courses with additional requirements

Music Studies major

Audition required

- Required standard: AMEB Grade 5 practical or equivalent
- Theory background comparable to WACE Music ATAR or equivalent (e.g. AMEB Grade 5 theory)
- Composition candidates are required to submit a portfolio

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

Music General Studies major

Audition required

- Required standard: AMEB Grade 5 practical equivalent
- No theory requirement
- Composition candidates are required to submit a portfolio

uwa.edu.au/study/courses/music-general-studies

Music Specialist Studies major

Audition required

- Required standard: AMEB Grade 7 practical or equivalent and/or submit a portfolio of compositions
- Theory background comparable to WACE Music ATAR or equivalent (e.g. AMEB Grade 5 theory)
- Composition candidates are required to submit a portfolio

uwa.edu.au/study/courses/music-specialist-studies

Direct Pathway to Medicine

- Minimum ATAR of 99.00 or equivalent (96.00 ATAR for Broadway/Rural applicants)
- Valid UCAT ANZ score
- Interview

uwa.edu.au/study/d/medicine

Direct Pathway to Dentistry

- Minimum ATAR of 99.00 or equivalent (96.00 ATAR for Broadway/Rural applicants)
- Valid UCAT ANZ score
- Interview
- Satisfactory completion of the Spatial Awareness Test
- Eyesight requirements

uwa.edu.au/study/d/dentalmedicine

Direct Pathway to Engineering

- Mathematics Methods ATAR

uwa.edu.au/study/courses/engineering

Note: All courses are subject to UWA's English Language Competency.

www.uwa.edu.au/study/how-to-apply/english-language-requirements

Entry pathways for Indigenous students

UWA's School of Indigenous Studies (SIS) has extensive experience in offering pathways into all undergraduate courses for Aboriginal and Torres Strait Islander people.

As well as Direct Pathways to postgraduate degrees for Indigenous students, SIS offers the Provisional Entry Scheme, Aboriginal Orientation Course and the UWA Smart Start Course.

Direct Pathways to postgraduate degrees

Indigenous students who have applied through TISC for the Direct Pathway to one of the postgraduate courses (Medicine, Dentistry, Podiatric Medicine, Law, Engineering and other postgraduate courses) can also contact the School of Indigenous Studies regarding Direct Pathways.

sis.uwa.edu.au

Other pathways – Provisional Entry Scheme

Indigenous students who have an ATAR between 70.00 and 79.00, and mature-age students with substantial work experience, are eligible to apply for entry to an undergraduate degree through the School's Provisional Entry Scheme.

- *WACE applicants* must have completed WACE, achieved secondary graduation and obtained an ATAR of 70.00 or above for entry into the Bachelor of Arts, Biomedical Science, Commerce or Science.

- *Non-WACE applicants* are required to have a strong education background, which may include TAFE, previous higher education studies or a bridging course and/or extensive relevant work experience.

How to apply

Complete an online application, provide supporting documentation to the School of Indigenous Studies, and attend a Uni Entry Workshop in December or January. Mid-year entry through this scheme is also available.

sis.uwa.edu.au/courses/provisional

Enabling or bridging courses

Indigenous students with an ATAR below 70.00, mature-age students and students who have not completed Year 12 studies or equivalent are encouraged to apply for ONE of the School's enabling (or bridging) courses.

Aboriginal Orientation Course

The Aboriginal Orientation Course is a one-year course that prepares students for entry into a UWA undergraduate degree in Arts, Biomedical Science, Commerce and Science. Students enrol in a minimum of four units each semester, the choice of units depending on the student's intended undergraduate degree.

How to apply

Aboriginal Orientation Course applications are completed online. As part of the selection process, all applicants will be required to attend a Uni Entry Workshop in December or January. Mid-year entry is also available.

sis.uwa.edu.au/courses/orientation

UWA Smart Start

This course is offered at UWA's Albany Centre and includes most units within the Aboriginal Orientation Course. It is open to Indigenous and non-Indigenous students, and prepares students for first-year study in an undergraduate course. Mid-year entry is also available.

How to apply

Currently, students seeking entry to UWA Smart Start complete an application form available from UWA's Albany Centre. As part of the selection process, all applicants will be required to attend a Uni Entry Workshop in December or January

albany.uwa.edu.au/courses/prepare.

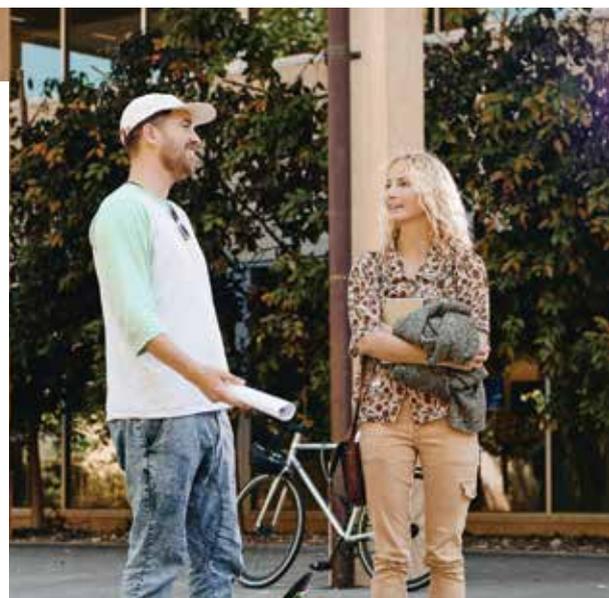
For more information, call **1800 819 292**, or email sis@uwa.edu.au.

Direct Pathways

Our Direct Pathways combine your undergraduate and postgraduate degrees, providing you with a clearer direction to your career of choice.

Direct Pathway

Places in our Direct Pathways are limited and you'll need to meet the ATAR for your specific pathway, and any additional requirements. You can apply for our Direct Pathways via TISC (tisc.edu.au) using their unique codes.

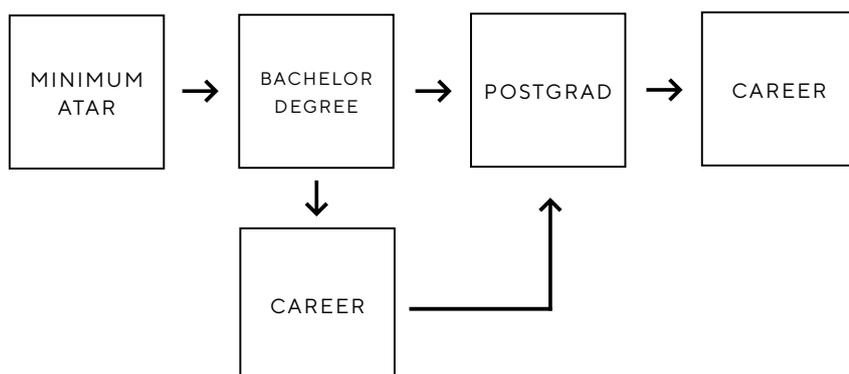


Graduate Pathway

If you do not receive an offer for a place in a Direct Pathway, you can still study your chosen postgraduate area via a different pathway. Just take a three-year UWA bachelor's degree (requiring an ATAR of 80.00, or equivalent) and maintain competitive grades. Then, during your undergraduate studies, you can apply for the postgraduate degree of your choice.

To discuss your study options, contact the Future Students Centre on **131 UWA (131 892)** or get in touch through ask.uwa.edu.au.

Indigenous students applying for Direct Pathways can also contact the School of Indigenous Studies at sis@uwa.edu.au.



Pursuing a higher degree is one of the best investments you can make in yourself. You'll learn from experts in your field and make invaluable contacts before you graduate. For more details about postgraduate courses visit uwa.edu.au/study/postgraduate, or if you'd like help tailoring your study journey call us on **131 UWA (892)**.

Direct Pathways

CAREER	UNDERGRADUATE MAJOR	POSTGRADUATE DEGREE	ATAR	REQUIREMENTS
Engineering	Engineering Science	Master of Professional Engineering	80	Prerequisite subject: Mathematics Methods ATAR Mandatory undergraduate major: Engineering Science (second major available)
Law	Any major	Juris Doctor	96	Students can take any undergraduate major combination
Medicine	Integrated Medical Sciences and Clinical Practice (accelerated pathway), or any major of student's choice	Doctor of Medicine	99 (96 for Broadway/Rural applicants)	Prerequisite subjects of your chosen major, UCAT and interview
Architecture	Architecture co-requisite majors	Master of Architecture	92	Mandatory undergraduate major: Architecture co-requisite majors No prerequisite ATAR subjects
Landscape Architecture	Landscape Architecture major	Master of Landscape Architecture	92	Mandatory undergraduate major: Landscape Architecture No prerequisite ATAR subjects
Dental Medicine	Medical Sciences major (accelerated pathway), or any major of student's choice	Doctor of Dental Medicine	99 (96 for Broadway/Rural applicants)	Prerequisite subjects of your chosen major, UCAT, interview, spatial awareness test, eyesight requirements
Pharmacy	Fulfil Pharmacy prerequisite units through major or elective units	Master of Pharmacy	94	Prerequisite subjects of your chosen major, interview
Podiatric Medicine	Medical Sciences major (accelerated pathway), or any major of student's choice	Doctor of Podiatric Medicine	94	Prerequisite subjects of your chosen major
Teaching (Early Childhood)	Any major relevant to one or more learning areas in the early childhood curriculum	Master of Teaching (Early Childhood)	92 (via Direct Pathway) 80 (via Graduate Pathway)	Prerequisite subject of your chosen major, aligning with early childhood specialisation
Teaching (Primary)	Any major relevant to one or more learning areas in the primary school curriculum	Master of Teaching (Primary)	92 (via Direct Pathway) 80 (via Graduate Pathway)	Prerequisite subject of your chosen major, aligning with the primary school specialisation
Teaching (Secondary)	Any major relevant to one or more learning areas in the secondary school curriculum	Master of Teaching (Secondary)	92 (via Direct Pathway) 80 (via Graduate Pathway)	Prerequisite subject of your chosen major, aligning with the secondary school subject specialisation of your choice
Translation Studies	At least one major from our eight Asian and European languages available	Master of Translation Studies	90	At least one major from our eight Asian and European languages No prerequisite ATAR subjects

Requirements are subject to change. Visit uwa.edu.au/study/direct-pathways for more information.

Fees

If you are an Australian or New Zealand citizen or holder of an Australian permanent resident visa or humanitarian visa, you will enrol in a Commonwealth Support Place (CSP) in your undergraduate course at UWA.

How much do you pay?

As a Commonwealth-supported student you will 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, refer to uwa.edu.au/student-life/cost-of-living.

COMMONWEALTH-SUPPORTED STUDENT CONTRIBUTION RATES – 2020*

Unit discipline	Annual contribution for standard full-time load (48 credit points)	Approximate student contribution per unit (6 credit points)
Humanities, behavioural science, foreign languages, social studies, visual and performing arts, education, nursing, clinical psychology	\$6,684	\$835
Agriculture, built environment, computing, engineering or surveying, allied health, pharmacy, mathematics, statistics, science (natural and physical), other health	\$9,527	\$1,190
Accounting, administration, commerce, economics, law, dentistry, medicine or veterinary science	\$11,155	\$1,394

* Rates are current at the time of printing and published on the government website education.gov.au/funding-clusters-and-indexed-rates.

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.

Catch a train to Subiaco Station or the Perth CBD and take a UWA bus service straight to campus.

Liftango is a free ridesharing app accessible to UWA staff and students only, and provides members who drive in with fellow members with a dedicated car bay on campus. We're reducing single-use car trips in a way that's convenient as well as environmentally friendly.

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.

Whoosh makes getting around – between and off UWA campuses – even easier and more enjoyable. You can hire e-bikes, bikes and car-share vehicles from one of our six mobility hubs located on the Crawley campus in the north, west, east and south, and at QEII and Nedlands.

transport.uwa.edu.au



Study plan

Our curriculum creates professionals who are prepared for long-term employability by providing you with a breadth of knowledge and skills.

Bachelor's degree: _____ Degree-specific major: _____

Second major (optional): _____



*Above study plan is an example of a degree-specific major with eight core units. Unit rules are defined on the UWA Handbook available at handbooks.uwa.edu.au/undergraduate/studyplans.

Selecting your units

Degree-specific major | You must complete at least one degree-specific major. Your degree-specific major includes core units and complementary units. Note: not all majors have complementary units; if this is the case, you will have more electives to choose.

Second major (optional) | You can choose to complete a second major from any degree area (Arts, Commerce, Biomedical Science, or Science), as long as you meet the unit prerequisites. Specialising in a second discipline will add to your qualification and employment prospects. Your second major includes core units and does not include complementary units.

Broadening units | Broadening units are designed to ensure graduates have a well-rounded education across a broad range of areas, to meet the needs of employers and professional organisations. With a focus on the globalised and culturally diverse work environment, broadening units can be taken separately or as part of a major.

Electives | You can choose a range of electives (free-choice units) from any of the undergraduate courses, providing you satisfy unit rules including prerequisites and co-requisites.

Internships at UWA | To gain credit towards your degree, you have the opportunity to gain real-world experience through a Work Integrated Learning placement (WIL), instead of one broadening or elective unit.

The UWA team are available to help you build your degree, and advise whether prerequisites apply for specific units. If you have any questions, call us on **131 UWA (131 892)**.

Glossary

A list of some common terms you'll come across when studying at university.

Accreditation | Accreditation is the process by which a course or training program is officially recognised and approved. Different institutions in Australia are accredited by different bodies, depending on the level of study and the type of institution.

Bachelor's degree | A qualification awarded for successful completion of an undergraduate course, usually comprising at least three years of study.

Broadening units | These are designed to ensure graduates have a well-rounded education across a broad range of areas to meet the needs of employers and professional organisations in a global workforce. Broadening units can be taken separately or as part of a major and fall into two categories – A and B.

Commonwealth Supported Place (CSP) | A type of enrolment where the total cost of your study is split into two parts: (1) paid by the Australian Government – this is a subsidy; and (2) paid by you – this is called your student contribution amount.

Complementary units | These provide important additional knowledge that will be required to successfully complete your major. Up to four complementary units may be specified, though many degree-specific majors have fewer and some prescribe none. These units are only compulsory for your degree-specific (first) major.

Co-requisite | A unit that must be taken at the same time as another unit, or that must have been successfully undertaken before the second unit can be. A major can also be a co-requisite (Architecture students must take the Architecture A and B majors, for example).

Domestic student | You are considered a domestic student if you are an Australian

citizen, an Australian permanent resident (holders of all categories of permanent residency visas, including humanitarian visas) or New Zealand citizen.

Electives | These let you explore a range of interests and new disciplines within your undergraduate degree.

Faculty | A faculty is a university division responsible for administering teaching and learning in a particular area of knowledge. Faculties include schools and centres within that teaching area. UWA has four faculties: Art, Business, Law and Education; Engineering and Mathematical Sciences; Science; and Health and Medical Sciences.

Full-time study | At least a 75 per cent study load (that is, three or four units) per semester.

HECS-HELP | HECS-HELP is a government loan scheme that allows eligible Commonwealth-supported students to defer payment of their student contribution fees. For more information, including eligibility criteria, visit studyassist.gov.au.

Honours | An additional year of full-time (or equivalent part-time) study undertaken on completion of a bachelor's degree, and including coursework and a research dissertation. The aim of honours study is to develop your knowledge and skills as an independent researcher, supervised by a member of staff who has expertise in your chosen area.

Lab | A class that takes place in a laboratory. Labs are practical classes involving experiments, investigation, construction, observation or testing.

Lecture | A class that involves the presentation of a particular

topic, idea or subject to a large group of students. The duration of a typical lecture is 45 minutes. Most lectures at UWA are recorded and made available to students online via the Learning Management System (LMS).

Major | An area of specialisation comprising an approved sequence of eight units or more within an undergraduate bachelor's degree.

Part-time study | Enrolling in less than a 75 per cent study load (that is, one or two units) per semester.

Postgraduate degree | A degree that is taken after the completion of your bachelor's degree; a master's degree or a doctorate (PhD), for example.

Prerequisite | A subject or condition a person must satisfy before gaining entry to a unit or course.

Tutorial | A small class involving discussion facilitated by a tutor on a particular topic or idea (usually one that has previously been presented in a lecture).

Undergraduate degree | The first degree you take at university – normally a bachelor's degree.

Unit | An academic subject that forms part of your course or study. Units typically involve different classes such as lectures, tutorials, seminars and labs.

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Join us on campus 2020

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CAMPUS TOURS

20 APRIL, 10 JULY,
5 OCTOBER, 7 DECEMBER

OPEN DAY

2 AUGUST

ALBANY OPEN DAY

13 AUGUST

A DAY AT UWA FOR YEAR 9

30 SEPTEMBER

A DAY AT UWA FOR YEARS 10–11

1 OCTOBER

uwa.edu.au/study/events

The information in this publication applies specifically to domestic students (Australian and New Zealand citizens, Australian permanent residents and holders of permanent humanitarian visas). Information in this publication is believed to be correct as of January 2020, but some errors or omissions may remain. Information is also subject to change. In particular, the University reserves the right to change the content and/or the method of presentation and/or method of assessment of any unit of study, to withdraw any unit of study or course which it offers, to impose limitations on enrolment in any unit/course or to vary arrangements for any course.

OPEN DAY SUNDAY 2 AUGUST 2020

uwa.edu.au/OpenDay



Stay up-to-date with WA's top uni

Get the lowdown on UWA events, our career-enhancing course model, 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 2.30-4.30pm (WST)

ASK US A QUESTION
ask.uwa.edu.au

EMAIL US
future-students@uwa.edu.au

VISIT US
Student Central, Crawley campus

Stay connected



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