"A Science degree from UWA will provide you with both the technical and theoretical knowledge needed for your career as well as the professional skills that will help set you apart from others. Here, we will challenge you to develop your critical thinking and communication skills, translating your curiosity for why things work into results that can impact the world. I encourage you to explore what opportunities the Faculty of Science can offer you by browsing our website or by visiting our beautiful campus. You will be most welcome."

– Professor A.G. O’Donnell, Executive Dean, Science
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If you are interested in pursuing a career that focuses on bringing about meaningful change to the world through science, UWA’s suite of science-focused courses will provide you with the skills, hands-on training and pathways to the career of your choice.

From agricultural science and geology to sport science and psychology and many more, you will be able to discover your passion through our flexible majors. You’ll be taught at the top university in WA, where state-of-the-art facilities provide leading learning experiences. Our industry-recognised courses will connect you to local and global communities, providing you with the opportunity to take your career overseas.

Courses
Set yourself apart with a UWA degree. Our science majors equip you with the skills and knowledge to succeed in your career path. You will be taught by world-class lecturers in cutting-edge laboratories and tutorial rooms at UWA’s Perth campus.

Experience more than just study
University life is about so much more than just study. We have more than 140 clubs and societies you can join to take part in activities you already enjoy or get involved in something new. There are events throughout the year, including O-Day Festival during orientation, food fairs, regional trips, wellness sessions and themed activity weeks.

Notable UWA alumni
Professor Barry Marshall was awarded a Nobel Prize in 2005 for his revolutionary discovery of the stomach ulcer-causing Helicobacter pylori bacterium. Professor Marshall continues to treat patients and leads UWA research teams within the Marshall Centre for Infectious Diseases Research and Training, of which he is a director.

Take your degree global
As part of your learning experience at UWA, you can undertake a semester or a year abroad. We have more than 180 exchange agreements with tertiary institutions all over the world. If you can’t commit to a full semester away or want to build on your previous exchange experience, you can complete an internship, practicum, short course or research program overseas.

Connect with industry professionals
We celebrate strong industry partnerships, offering you practical, real-world experiences in addition to valuable networking opportunities. Our network of industry placements also allows you to find uncredited placements, and for-credit placements or practicums can be arranged as part of your degree.

Pursue postgraduate study
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.

Global networks of knowledge and research
UWA’s world-class lecturers and researchers are equipped with the teaching technologies of tomorrow to deliver a distinctive learning environment for students. A strong focus on knowledge and research capacities means you’ll be at the forefront of a rapidly evolving world and ready to succeed in your career of choice.

With more than 75 research institutes and centres, UWA fosters links with local, national and international industries and governments. The strength of our research output makes us appealing to researchers of international standing, many of whom head major research centres with global connections. As a student this means you’ll benefit from the knowledge and expertise of our staff, with networking opportunities that can lead to career possibilities.
Ranked in the world’s Top 90 universities
QS World University Rankings 2020

Highest ranked university in Western Australia
(ARWU 2018)

Ranked in the world’s Top 50 for:
- Agriculture and Forestry
- Civil and Structural Engineering
- Earth and Marine Sciences
- Mineral and Mining Engineering
(QS World University Rankings by Subject 2018)
Located by the Swan River and only minutes from Perth’s city centre, UWA is often described as one of Australia’s most picturesque campuses.

→ Enjoy the scenery of Matilda Bay and take part in kayaking, rowing or sailing on the Swan River
UWA Albany

UWA has a high-tech education centre in the south western town of Albany – a five-hour drive from Perth. Here you can experience all that regional Western Australia has to offer while studying at university.

albany.uwa.edu.au/courses

Experience the atmosphere at Guild Village, home to shops, food outlets, a medical centre, hairdresser, banks and other student amenities.

Discover the Cultural Precinct, UWA’s cultural hub that supports music, theatre, dance, literature and art exhibition programs.

← Socialise with friends at one of the many cafés
→ Enjoy an outdoor cinema experience at UWA’s Somerville Auditorium

← Relax in heritage-listed gardens and open courtyards
→ Try different cuisines at our many food trucks located on campus
Facilities

UWA brings together heritage architecture and state-of-the-art teaching and research facilities to provide you with an ideal learning environment.

As a student, you can enjoy a range of recreational amenities and modern facilities, including lecture and performance theatres, tutorial spaces, studios, laboratories and more, that ensure you feel inspired to pursue your personal interests and career goals while studying.

Bayliss Building
This five-storey building is a thriving centre for world-class research and teaching in biomolecular sciences and chemistry, with advanced labs and cutting-edge instrumentation on every level. It’s the largest building on campus and features an impressive DNA double-helix design.

Reid Library
Home to more than a million books, UWA’s Reid Library is the largest academic library in Western Australia. Recent renovations doubled the number of collaborative student spaces and improved the facilities, technology and access available, as well as delivering a brand new café.

Barry J Marshall Library
UWA’s hub for science students and researchers, this library is named after the University’s Nobel Prize-winning professor. It features collaborative areas, soundproofed study rooms, multimedia suites and a café on site.

Plant growth facilities
Students and researchers have access to plant growth facilities on-campus. A well-equipped field station is also located close to campus and includes irrigation, glasshouses, phytotron, PC2 containment facilities and a plant quarantine facility.

UWA Farm Ridgefield
Students and researchers have access to field facilities at UWA Farm Ridgefield near Pingelly. The 1600-hectare property features crops and animal production facilities, and is a research site for several projects including research on biodiversity and ecology, carbon storage and greenhouse gas emissions. UWA Farm Ridgefield is home to the Future Farm 2050 Project (ioa.uwa.edu.au/future-farm-2050), and is the focus of the first Critical Zone Observatory in the Southern Hemisphere.

Centre for Sleep Science
The Centre for Sleep Science boasts five bedrooms equipped with state-of-the-art recording and analysis equipment for laboratory-based research and sleep studies. The base for a number of postgraduate sleep training courses at UWA, the centre also contains training and seminar rooms and offices for staff and students.

UWA Exercise and Performance Centre
The UWA Exercise and Performance Centre (EPC) provides individual and group exercise services to improve health, function and physical performance. The EPC is linked with the School of Human Sciences providing clinical training to postgraduate students undertaking the Master of Clinical Exercise Physiology.
Remote Piloted Aerial Sensing Platform

UWA’s Remote Aerial Sensing Platform provides operational infrastructure, expertise, support and advice for drone and environmental sensing. The facility provides the capacity for research collaboration, brings expertise and licencing to a UWA research group, and makes drones, sensors and other equipment available for other external projects.

Cell and Molecular Life Facility

The Cell and Molecular Life Facility offers state-of-the-art technology to staff and students whose research investigates diverse insults affecting animal and human cells and tissues. Understanding how cells respond to diverse insults at the molecular level helps to develop alternative and advanced therapeutic methods integrating latest technology.

Shenton Park Field Station

The Shenton Park Field Station has been servicing the science and agriculture industry of Western Australia for more than 60 years. With 5 hectares of irrigated plot land available for all year round use to conduct trials of various types, varieties, strains and species of plants. Bird protection netting covers 3 hectares of the plot land. Due to the size of the Field Station, multiple trials can be conducted at any one time.

Histology Laboratory

UWA’s Histology Laboratory produces high-quality work for teaching and research purposes within UWA departments and the general scientific community. It provides a wide range of cutting-edge services, including light and electron microscopy processing and cryostat sectioning.

Imaging @ Science

Our Biological Imaging Lab acquires high-resolution images and videos specialising in optical microscopy, including bright field, fluorescent and confocal microscopy to image live and fixed samples.

The lab has cutting-edge inverted and upright microscopes, which support Hoffman, phase, Nomarski and fluorescent microscopy, and a wide range of conventional, digital and low-light cameras and scanners are also available.

Computer labs

UWA has 11 computer labs open 24/7 for science students, including several with high-performance machines for numerical modelling.
A vibrant student life with social activities on campus
UWA Student Guild

We have a vibrant student life with social activities on campus organised by the UWA Student Guild, the representative student organisation.

The UWA Student Guild has a reputation for being one of the most active in Australia and provides the following benefits for students:

- extra support for academic, financial or welfare matters affecting study
- discounts on campus, at shops, and for activities and services around Perth
- numerous events including festivals, workshops, end-of-semester parties, networking opportunities, the Guild Ball (formal dance) and the National Campus Band competition – not to mention the Guild offers more than 180 clubs and societies for you to join.

uwastudentguild.com

The Guild Village

The Guild Village is a hive of activity and includes shops, food outlets, a medical centre, hairdresser, bank ATMs and other useful student amenities. A regular marketplace is held every week and is the place to buy inexpensive, locally made clothes, jewellery and more.

Leisure and recreation

The Cultural Precinct

The Cultural Precinct is UWA’s cultural hub, supporting the music, theatre, dance, literature and exhibition programs on campus. It also supports broader arts and cultural events that take place throughout the year, including collaborating with the Perth Festival.

theartofperth.com

UWA Sport

Becoming a Fitness Centre member gives you access to more than 50 group fitness classes a week, the latest equipment, multiple training zones, qualified instructors and free tickets to our popular masterclasses.

- Kickstart your day with a run on the treadmills, or take time out with a lunchtime yoga class.
- Practise your skills in squash, basketball, or tennis on one of our many courts.
- Up for some healthy competition? Join our interfaculty, intercollege, or social competitions, or represent one of our 27 sport clubs.
- If you’d like to try something new, sign up for our Recreate Short Courses. With everything from salsa to surfing, trips to Rottnest and self-defence classes – there is something for everyone.
- We also support our elite athletes in their academic and sporting pursuits through the Student Athlete Development Program.

Your university adventure starts here. Immerse yourself in the opportunities available to you through sport and make your time at university unforgettable.

sport.uwa.edu.au

Check out what our current students get up to:

uwastudents uwa_students u wastudents u wastudents u wastudents
Do you love to travel? As a UWA student you have the opportunity to discover new cities and experience other cultures with the UWA Student Exchange Program.

study.uwa.edu.au/global

Financial assistance

If you’re interested in our exchange program, you could be eligible to receive a UWA Study Abroad Scholarship to help with the cost.

Choose to study overseas for a semester or two, or choose a short-term program

We offer more than 180 student exchange partner universities

Gain credit towards your degree while you study
Jacinta Cowan
University of Leeds, West Yorkshire, England

“The highlight of my exchange experience was meeting new people from all over the globe, particularly my group of friends who I am still in contact with, despite us all living in different parts of the world.

The prospect of living out of home for an extended period of time, as well as being away from my friends and family, was both daunting and exciting, but I encourage other students to step out of their comfort zones and test their limits. I achieved a greater sense of independence, improved my communication skills and opened myself up to new opportunities I wouldn’t normally have had the chance to experience at home.”

UK and Ireland Partner Universities

UNITED KINGDOM
Manchester Business School
University of Manchester
University of Southampton
University of Sussex
University of Bath
Bader International Study Centre at Herstmonceux Castle (Queens University)
Kingston University London
University of Liverpool
University of Aberdeen
University of York
University of Essex
University of Bristol
Cardiff University
Durham University
University of Exeter
University of Glasgow

University of Leeds
Loughborough University
Queen Mary, University of London
University of Nottingham
Royal Holloway, University of London
University of Sheffield
University College London

IRELAND
University College Dublin

Eloise Catlin
Yonsei University, Seoul, South Korea

“Going on exchange to South Korea has been the highlight of my time studying at UWA. I was immersed in an entirely new country and culture for a semester, and it opened my mind to what’s really out there in the world. Meeting friends from all over and going through the exchange experience together was the best part for me. We shared so many memories, from eating tonnes of Korean food, to shopping all over Seoul, going on spontaneous adventures and staying up late playing card games.”

Asia-Pacific Partner Universities

CHINA
Fudan University
Harbin Institute of Technology
Nanjing University
Shanghai Jiao Tong University
Tsinghua University
University of Science and Technology China
Zhejiang University
China University of Mining and Technology
City University of Hong Kong
Hong Kong Polytechnic University
The Chinese University of Hong Kong
University of Hong Kong
Renmin University
Beijing Language and Culture University
Peking University - HSBC School of Business
Xian Jiaotong University
Xiamen University

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

MALAYSIA
University of Science Malaysia

THAILAND
Chulalongkorn University

SOUTH KOREA
Korea University
Pusan National University
Seoul National University
Sogang University
Sungkyunkwan University
Yonsei University

SINGAPORE
Nanyang Technological University
National University of Singapore
Singapore Management University

NEW ZEALAND
University of Otago
North and South America

Nicholas Pritchard
University of Illinois at Urbana-Champaign
Illinois, United States of America

“For me, the personal highlight was experiencing campus culture in a university town. This is a concept not really found anywhere in Australia, so it was very warming to live in a community where everything is aimed at campus life and the student population. Life at UIUC was the quintessential college experience for me: living in a dorm, weekend trips and spring break. But most importantly, wrapped around all these experiences was a newfound group of friends, heralding from every corner of the globe to share them with. Exchange was a hugely formative experience for me and stands out as a true highlight of my time at UWA.”

American Partner Universities

BRAZIL
Universidade Estadual de Campinas

CANADA
Carleton University
University of Alberta
University of British Columbia - Vancouver Campus
University of Calgary
Laval University
McMaster University
University of Montreal
University of Ottawa
Queen’s University
McGill University
HEC Montreal
Dalhousie University
Simon Fraser University
University of Toronto

University of Waterloo
Western University
University of British Columbia - Okanagan Campus

CHILE
Pontificia Universidad Catolica De Chile

MEXICO
Universidad Iberoamericana

URUGUAY
Universidad de Montevideo

US
University of Arizona
Bellarmine University
Boston College
University of Illinois at Urbana Champaign
Indiana University
Iowa State University
Kansas State University
Montana State University
North Carolina State University
University of Pennsylvania
Purdue University
University of Texas at Austin
University of Vermont
Williamette University
University of Alabama at Birmingham
Pacific University
University of Montana
Colorado State University
University of Maryland
University of Notre Dame du Lac
University of Rochester
University of West Alabama
University of New Mexico
University of South Dakota
Presbyterian College
Auburn University
University of Massachusetts Amherst
University of Denver
Europe and Middle East

Brodie Bastian
Vrije University, Amsterdam, Netherlands

“The most rewarding aspect of studying abroad was the life skills I gained. I’m a much more confident and independent person. It’s very liberating to live on your own in a foreign city. Being able to meet people from all over the world was definitely an amazing part of the experience and I’ve made some really good friends along the way.”

European Partner Universities

AUSTRIA
University of Vienna
Vienna University of Economics and Business Administration

BELGIUM
Catholic University of Leuven
Ghent University

DENMARK
Aarhus University
Copenhagen Business School
Technical University of Denmark
University of Copenhagen

FINLAND
Aalto University
University of Helsinki

FRANCE
Jean Moulin Lyon, 3
University Grenoble Alpes
Sciences Po - Lille
ESSEC Business School
Burgundy School of Business
Sciences Po - Grenoble
University of Limoges
Sorbonne University (formerly known as University of Pierre and Marie Curie)
Sciences Po, Paris
University of Strasbourg
University Sorbonne Nouvelle (Paris 3)
École Nationale Supérieure d’Architecture Montpellier
ESC Rennes School of Business

GERMANY
Albert-Ludwigs University, Freiburg
Eberhard-Karls University, Tubingen
Free University of Berlin
Humboldt University
RWTH Aachen
Ludwig Maximilian University of Munich
University of Stuttgart
WHU Otto Beisheim School of Management
Heinrich Heine University

ITALY
Bocconi University
Catholic University of the Sacred Heart
Politecnico University of Milan

NETHERLANDS
University of Groningen
Leiden University
Maastricht University
University College Maastricht
Utrecht University
Vrije University
Utrecht University School of Economics
Tilburg University

NORWAY
Norwegian School of Economics (NHH)
Norwegian University of Life Sciences (UMB)
Norwegian University of Science and Technology (NTNU)
University of Bergen
University of Oslo
University of Stavanger

RÉUNION
École Nationale Supérieure d’Architecture Montpellier

SPAIN
Autonomous University of Barcelona
Comillas Pontifical University
IE University

SWEDEN
Lund University
Mälardalen University
Stockholm University
Uppsala University

SWITZERLAND
University of St Gallen
University of Zurich

Middle East Partner Universities

ISRAEL
Tel Aviv University
The Hebrew University of Jerusalem

*All partner universities as of 2018*
What qualities do employers look for?*

Employers are looking for key qualities when hiring a candidate. At UWA, we provide a breadth of opportunity for you to develop the soft and technical skills you’ll find necessary to succeed in the workplace.

Interpersonal communication skills
These are the skills you demonstrate when communicating and interacting with other people. When employers are hiring, these skills are one of the top criteria used to evaluate candidates.

Passion
Passion relates to your eagerness to learn about your industry and positive attitude towards your work, how much drive you have and how you demonstrate commitment to your company’s values.

Logical and technical skills
Your ability to think critically and analyse and solve problems are your logical skills. Technical skills are the ability and knowledge you need to perform a specific task.

Academic results
Your academic performance while at university demonstrates your level of knowledge in your chosen field of study.

Work experience
Gaining experience in a workplace allows you to put into practice the knowledge you gain at university and develops your teamwork and communication skills.

Cultural alignment/values fit
Your personality is a big part of whether you are hired for a position. Employers are looking for a candidate who will fit in with their teams and contribute to a positive working culture.

Emotional intelligence
Emotional intelligence is how you manage your emotions; in a workplace this could be how well you work in stressful situations. It also refers to your confidence, motivation and self-awareness.

Teamwork skills
These include communicating effectively, listening and providing constructive feedback, conflict resolution and problem-solving, and being respectful, trustworthy and supportive.

Activities
Being actively engaged with extracurricular activities is a good way to get noticed by employers. This includes being involved with clubs and societies, participating in volunteer work, travelling overseas or taking up hobbies.

Leadership skills
Demonstrating leadership skills involves using your initiative. This could mean a range of activities such as being involved with the Student Guild, being a team leader in a workplace or team environment, mentoring other students or volunteering your time.

*Data: Graduate Outlook 2015, Deloitte Global Human Capital Trends 2017
In addition to studying, it’s important to maximise networking opportunities and develop your employability skills during your time at university. From providing career advice to developing your professional experience, we have a range of services to help you achieve your career goals.

Ask for career advice
UWA Careers Centre
The Careers Centre provides a range of services to develop your skills and to build self-awareness of work interests and preferences, and help your decision making and career planning. If you’re unsure of your career direction, our online program, New Directions, provides you with a printable report to help you with your career path. Once completed, a follow-up session may be booked with our professionally qualified Career Development Consultants. careers.uwa.edu.au

Develop your employability skills
UniMentor
UniMentor is a voluntary leadership role, assisting new students to settle in to UWA and Perth. Being a mentor is a great way to meet people and give back to the UWA community. You’ll develop your time management, communication and interpersonal skills – qualities that are highly regarded by prospective employers. unimentor.uwa.edu.au

Use available resources
CareerHub
Here you can find employment and volunteering opportunities, networking and skills development events, industry-aligned competitions and resources to assist you with your career journey.

Preparing you for work
The Careers Centre offers a range of employability workshops, resources and online career tools including the Big Interview. The Big Interview is designed for you to learn and practise your interview skills whether you’re interviewing for a casual job or graduate position. uwa.biginterview.com

Social media networking
Improve your employability by using your social networking skills for career development, depending on which platform is most frequently used in your chosen industry. The Careers Centre runs regular LinkedIn workshops throughout the year and you can even get your LinkedIn photo taken for free.

Meet employers
Careers Fair
As well as regular employer recruitment seminars, the Careers Fair is an opportunity to find roles in organisations and gain an insight into what employers look for in graduates. This on-campus event is open to UWA students and recent graduates.

Helpful links
careers.uwa.edu.au
careers.uwa.edu.au/wil
goodeducation.com.au
graduateopportunities.com
myfuture.edu.au

Gain work experience
Internships and vacation programs
These provide you with formal supported opportunities to experience a workplace, and develop both your technical and soft skills, helping you understand the importance of workplace culture and dynamics.

Careers Boot Camp
This student event provides access to industry professionals and alumni and helps you create your own brand to stand out from the crowd. You’ll gain access to resources and tools, and attend workshops and participate in hands-on activities.

Kickstart your career

UWA Careers and Employability Award
The UWA Careers and Employability Award program recognises the activities and hands-on learning participating students undertake. On completion of the program, the award will automatically appear on your supplementary transcript at graduation.

careers.uwa.edu.au/wil

Science Subject Area Course Guide
study.uwa.edu.au
At UWA you’ll not only study towards a degree, but have the opportunity to gain valuable experience towards your future career.

For some degrees, such as medicine, engineering and architecture, you’ll be required to complete professional placements, but we also provide the chance for you to gain work experience, even if your qualification doesn’t call for it.

We have strong partnerships with a range of organisations to provide you with practical, real-world experiences, in addition to valuable professional networking opportunities. This hands-on learning approach is highly valued by employers and ensures you’re career-ready.

These partnerships enable you to take part in a number of activities.

Placements for credit
For-credit placements or practicums are arranged as part of your degree. They’re usually one day a week in a supervised workplace and can be anything from getting a feel for a legitimate working environment to participating in live projects. If you’re a Science student, you can get involved in practicums through Work Integrated Learning (WIL) programs.

careers.uwa.edu.au/wil

Not-for-credit work experience
If your degree doesn’t award credit for work experience, you can still take advantage of our network of industry connections to find uncredited placements, usually as internships or holiday work, for a set number of hours.

careers.uwa.edu.au/wil/students

Service learning units
These units are another way to gain experience and they involve unpaid work with not-for-profit, community or government services. Some can earn you academic credit as well as the chance to put your degree skills to use. The McCusker Centre for Citizenship provides this kind of learning. Established in 2015, the Centre offers structured, quality internships locally, regionally and globally to all UWA students. Students will be matched based on their application and the internship opportunities available.

mccuskercentre.uwa.edu.au

Guild Volunteering
Guild Volunteering gets you off campus and into the real world to start making a difference. Broaden your mind, meet new people and develop skills in an area you’re interested in. You may also find that some volunteering is eligible for your supplementary academic transcript.

volunteering.guild.uwa.edu.au

Mentoring
The Career Mentor Link program connects you with an industry professional for one-on-one advice and helps develop your skills so you can transition smoothly from university into the workplace.

careers.uwa.edu.au/cml

Work placements for professional accreditation
These professional practicums enable you to apply theory in practice and develop competencies that will assist in your future career. Successful completion of these practicums is required in order for you to graduate.

A community of entrepreneurs
Bloom provides support for young entrepreneurs through mentorship, skill-focused events and providing an open working space for entrepreneurs to flourish. UWA is proud to be a Gold Member of Bloom.

bloom.org.au
“My experience at UWA has been nothing but positive and studying here has given me so many opportunities. Academically, my studies at UWA have been rigorous and I will leave having gained so much knowledge thanks to the wonderful teaching staff and engaging courses. UWA also supported me in pursuing a New Colombo Plan scholarship, which enabled me to go on exchange to the Chinese University of Hong Kong. I’m really grateful to have had the opportunity to study at a fantastic university like UWA!”

Zoe Fitzgerald
Bachelor of Science 2018
Majors
You can choose to complete one or two majors within your degree. Your first major is a specialty area for when you know what career you’re pursuing or if you want an in-depth understanding of a particular topic. Your second major allows you to pursue another interest and can be anything you like. You can choose a subject that complements your first major or something completely different, such as a language or music. Maybe you’re passionate about sport science but really enjoy history? At UWA you can try both – it’s completely up to you.

There are four types of units that make up your degree: core, broadening, complementary and elective. A unit is a subject that you study for one semester.

Core units
A core unit is one that must be taken to complete your chosen major. Some majors have set core units while others allow you to choose from a list of core unit options.

Broadening units
Broadening units add a valuable dimension to your studies and provide you with knowledge beyond the fields that you choose to specialise in. Taking broadening units is a requirement of the University’s undergraduate degree course structure.

Broadening units fall into two categories: A and B. You are required to take four broadening units and at least one must be ‘Category A’ (up to two ‘Category A’ broadening units may be undertaken from within the knowledge area of your degree-specific major) and at least two broadening units (Category A or B) must be undertaken from outside the knowledge area of your degree-specific major.

Complementary units
These units go hand-in-hand with your major/s and are designed to give you extra knowledge to help you complete your major.

Elective units
Also known as ‘free choice’ units, these units give you a great opportunity to explore other areas of interest and expand your knowledge.

At UWA we’re committed to helping you figure out your study path. Our course structure allows you to personalise your degree and even change your mind along the way. We give you the chance to study across a variety of fields before choosing your majors in second year, allowing you time to discover what you’re really passionate about.

We offer five bachelor’s degrees: Arts, Biomedical Science, Commerce, Science or Philosophy (Honours). A bachelor’s degree is your first degree and usually takes three years of full-time study to complete, depending on your course.
Study pathway
Choose your degree

Study one or two majors

Select your core units and additional units

Graduate with an undergraduate degree prior to honours and/or postgraduate study

Honours

High-achieving students may choose to undertake an honours specialisation

study.uwa.edu.au/honours

Postgraduate

Global career

Arts
Biomedical Science
Commerce
Science
Philosophy

Our Future Students team is here to help.

Chat to us online
Monday to Friday
2.30–4.30pm (WST)

Call us
Monday to Friday
8.30am–5pm (WST)
131 UWA (131 892)

ask.uwa.edu.au
The Bachelor of Science focuses on understanding and improving the natural world through systematic observation, experimentation, modelling and calculation.

The Bachelor of Science gives you the opportunity to harness the skills and knowledge necessary to make a real contribution to the global challenges facing humanity.

Why study Science?
Scientists study the nature of the universe, its properties, the life that exists within it and the laws that govern the behaviour of all matter. As a student you’ll investigate the big issues confronting our planet including climate change, diagnosis and treatment of disease, healthy lifestyles, food sustainability, conserving biodiversity and much more. The importance of science is recognised by industry, business and government. You will acquire skills that make you highly employable, such as critical thinking and problem solving.

Beyond your degree
The skills you gain when studying the Bachelor of Science form the foundation of a great science education and are highly valued and sought-after by employers. These include reason, logic, observation, analysis, resourcefulness, communication, creativity, imagination and experimentation. Science graduates are in demand worldwide with job opportunities across a range of sectors. If you choose to pursue further study, a master’s degree by research or a Doctor of Philosophy (PhD) will enable you to move into a career in scientific research.

Career-ready
You will have the opportunity to undertake science practicums and work placements, which bridge the gap between theory and practice by providing hands-on experience within a workplace. You’ll gain valuable networking experience with industry professionals.
You can major in:

- 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

Our Bachelor of Science graduates include:

Jordan Stares, BSc ‘14, BSc (Hons) ‘15

Jordan is an Assistant Strength and Conditioning Coach at West Coast Eagles Football Club. He is also completing a PhD part-time at UWA examining the relationship between training loads and injury.

‘Working in a fast-paced elite sporting environment, no day or week is the same. The future career possibilities in elite sport are endless. Fortunately, I work in a career where my skills can be utilised in multiple sports and different environments.’

1 75 ATAR for Broadway UWA, see page 80 for more information.
2 Four years if undertaking a Bachelor of Philosophy (Honours). Visit study.uwa.edu.au/bphil for more information.
3 For Anatomy and Physiology, Sports-related subjects (QS World University Rankings by Subject, 2018), and for Agricultural Sciences and Environmental Science and Engineering (Academic Ranking of World Universities 2018).
4 Graduate Outcomes Survey 2017.
Agricultural Science

study.uwa.edu.au/agricultural-science

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

RECOMMENDED: Chemistry ATAR, Mathematics Methods ATAR

ATAR 80
DURATION 3 YEARS FULL-TIME
LOCATION PERTH

UWA is well-equipped for teaching and research in Agricultural Science, with a field station at Shenton Park, a research farm near Pingelly, and the outstanding research and outreach activities of the UWA School of Agriculture and Environment, the UWA Institute of Agriculture, the Centre for Plant Genetics and Breeding, SoilsWest, and the Australian Herbicide Resistance Initiative.

Agricultural Science provides the research, technology and information for the sustainable, profitable and ethical development of agricultural industries. Studies include soil science, plant breeding, animal breeding, crop and pasture systems, soil-plant interactions, plant nutrition, integrated pest management, livestock production, scientific modelling, agricultural economics and agribusiness, and other topics. You’ll also complete overnight field trips1.

Popular study combinations
- Botany
- Economics
- Conservation Biology
- Natural Resource Management

Course structure
Level 1 Core units
- Feeding the World
- Plant and Animal Biology

Plus two complementary units:
- Science, Society and Data Analysis
- Communicating Science

Level 2 Core units
- Pasture and Livestock Systems
- Soil Science

Plus two complementary units:
- Principles of Inheritance
- Plants in Action

Level 3 Core units
- Agricultural Economics and Marketing
- Clean, Green and Ethical Animal Production
- Crops and Cropping Systems
- Soil-Plant Interactions

Career opportunities
Graduates could be employed as consultants, managers or researchers by government agencies, universities, consulting firms, food industries, fertiliser companies, community groups, local/regional governments and international agencies.

Further study options
Honours in Agricultural Science builds on your knowledge gained at undergraduate level through an emphasis on processes at a farming-systems level. The question of how to achieve sustainable and profitable production is addressed. You will visit and collect data from the UWA Future Farm at Pingelly. The links between soils, water, plants, livestock and farm management are explored on the farm, in lectures and through assessment items including economic modelling. You will develop an in-depth understanding of how farming systems function, which will allow you to anticipate and adapt to the many challenges that are currently facing our agricultural systems. The skills gained in this honours specialisation will equip you for careers in a wide range of areas including farm managers, farm advisors and policy analysts in the public sector.

1 Cost of food and accommodation to be borne by the student. For more information, visit teachingandlearning.uwa.edu.au/students/fees
What is it that makes us human?
The Anatomy and Human Biology major allows you to explore in an integrative way the fascinating concept of what it means to be human, combining studies of the behaviour and biology of human beings with current social and ethical issues.

The units offered in this major cover human functional anatomy; genetics, variation and evolution; reproduction, embryology and growth; microscopic structures of cells and tissues; structure and function of the nervous system; and ecology, behaviour and biosocial interactions. You’ll explore all of these from the molecular to the population level and beyond.

Popular study combinations
- Genetics
- Microbiology and Immunology
- Neuroscience
- Biochemistry and Molecular Biology

Course structure
**Level 1 Core units**
- Human Biology I: Becoming Human
- Human Biology II: Being Human

**Level 2 Options**
Complete all units in a group of your choice:
- **Group A**
  - Human Structure and Development and Human Reproductive Biology

**Group B**
- Human Organs and Systems and Human Reproductive Biology

**Group C**
- Human Structure and Development and Biological Anthropology: Human Adaption and Variation

**Group D**
- Human Organs and Systems and Biological Anthropology: Human Adaption and Variation

**Level 3 Options**
Select one:
- Human Biology: Applications and Investigations I
- Human Biology: Applications and Investigations II

Plus three of the following:
- Biological Anthropology: Genes and Society
- Cells, Tissues and Development
- Human Evolutionary Ecology
- Human/Primate Social Organisation
- Human Reproduction
- Human Structure and Function

**Complementary units**
Students who have not completed Mathematics Applications ATAR or higher must also study Mathematics Fundamentals.

Career opportunities
Graduates can find jobs in areas such as assisted reproductive technologies, pharmaceutical training and neuroscience. There are also opportunities for employment as scientists in commercial organisations or in sales associated with these types of organisations, in public science education, in museums and in the media.

Future study options
Honours in Anatomy and Human Biology is a blend of coursework and project work designed to introduce you to the world of research. It equips you with the skills and flexibility of outlook needed to deal with rapidly changing technologies and leads you into habits of critical thinking, problem analysis and public presentation, which would serve in any leadership role.

The combination of formal study and practical experience offered in this honours specialisation is suitable preparation for entry into graduate professional courses such as medicine, physiotherapy, audiology, chiropractic, nursing, teaching or forensics, especially for students interested in furthering those fields through research. It also provides a suitable entry-level qualification for careers in reproductive technology, science communication, biomedical research and primatology.
Biochemistry and Molecular Biology

study.uwa.edu.au/biochemistry

PREREQUISITES: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year; and Biology ATAR or Human Biology ATAR or a Biology or Human Biology unit taken in the first year; and Chemistry ATAR or a Chemistry unit taken in the first year

RECOMMENDED: Mathematics Methods ATAR, Biology ATAR, Chemistry ATAR

N.B: International students commencing in semester 2 must have completed Biology ATAR and Chemistry ATAR or equivalent to be admitted

What are genes? How do hormones work? What goes wrong in a cancer cell? If these questions are of interest, then the Biochemistry and Molecular Biology major may be for you.

The science of Biochemistry and Molecular Biology aims to understand how the natural world works. Biochemists and molecular biologists are interested in the molecular functions of all living organisms, from the smallest bacterium to the largest whale. You’ll study the way molecules are organised and how they interact to achieve the functions of the living cell and that of the organism.

It provides insights to the mechanisms of evolution, growth, development, reproduction and disease, plus tools to improve our quality of life. This may be through the development of a drug or drought-resistant crop plant or understanding what controls an individual’s health.

In this major you’ll investigate the information stored in DNA, and study the way molecules are organised and how they interact to achieve the functions of the living cell and that of the organism.

Popular study combinations
- Anatomy and Human Biology
- Genetics
- Microbiology and Immunology
- Neuroscience

Course structure
Level 1 Core unit and option
- Molecular Biology of the Cell

Plus one of the following:
- Biological Chemistry
- Chemistry–Structure and Reactivity

For students without WACE Chemistry, take:
- Introductory Chemistry
- Statistics for Science

For students with WACE Chemistry, take:
- Chemistry - Properties and Energetics
- Statistics for Science

Level 2 Core units
- Biochemistry and Molecular Biology of the Cell
- Biochemical Regulation of Cell Function

Level 3 Core units
- Cellular Biochemistry
- Molecular Biology
- Omics–Global Approaches to Cell Function
- Structural and Functional Biochemistry

Career opportunities
Graduates may find a career in a range of areas including research institutes, universities, CSIRO, hospitals, the healthcare industry, the pharmaceutical industry, general and scientific sales, food manufacturing, government and advisory services, biotechnology, teaching in schools and universities, or diagnostic services in medicine and agriculture.

Further study options
By undertaking honours in Biochemistry and Molecular Biology, you will develop an understanding of the research process and your abilities to conduct independent research. You will acquire training and practice in skills such as experimental methods, problem solving, literature searching, data analysis, computing, team building, and written and oral communication.
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. Botany is an ideal major if you’re 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. You’ll study how plants evolve and adapt to changing climates and environments and have a proactive role in mitigating the loss of biodiversity.

Popular study combinations
- Agricultural Science
- Zoology
- Conservation Biology
- Natural Resource Management

Course structure
**Level 1 Core units**
- Frontiers in Biology
- Plant and Animal Biology

**Plus two complementary units:**
- Science, Society and Data Analysis
- Communicating Science

**Level 2 Core units**
- Ecology
- Plants in Action
- Plant Diversity and Evolution

**Plus complementary unit:**
- Principles of Inheritance

**Level 3 Core units**
- Australian Vegetation
- Ecological Processes
- Plant Physiological Ecology

**Plus complementary unit:**
- Soil-Plant Interactions

**Career opportunities**
Botany graduates are highly sought-after and employed by environmental consultants, resource industries, government departments (such as the Department of Primary Industries and Regional Development, the Parks and Wildlife Service, and the Department of Water), botanic gardens (Kings Park) and research agencies (CSIRO) that either work in, or are interested in, the environment, conservation, restoration and horticulture.

**Further study options**
Plants underpin life on Earth. Honours in Botany allows you to conduct rigorous scientific research on various aspects of the taxonomy, biology or functioning of plants. Your research could investigate the exciting diversity and uniqueness of Australian flora or focus on how plants function and interact over all levels of biological organisation, from the plant cell to the role of vegetation in the functioning of ecosystems. Other research may focus on the ways plants adapt to environments ranging from the Antarctic oceans to deserts of the inland. You might also study how we can overcome problems of environmental degradation such as those derived from mining and salinity. If you’re enthusiastic about plants across terrestrial and aquatic ecosystems, this honours specialisation is for you. Honours in Botany can lead to many careers including ecologist, conservation biologist, plant physiologist, plant taxonomist, agricultural scientist, forester, environmental impact assessor, flora resource manager, government policy writer and consultant, consultant risk assessor involved in predicting and identifying algal blooms, consultant for aquaculture, marine biologist, evolutionary biologist, science journalist, laboratory technician, field research officer, plant pathologist or forensic scientist.
Do you want to be part of major advances being made in medicine, drugs, nanotechnology, new materials and the environment? Chemistry is central to virtually all areas of modern science and technology, providing a foundation for fields such as biochemistry, green chemistry, chemical engineering, food science, materials science, geology, nanotechnology and pharmacology.

It is the science of the molecular scale, and encompasses the synthesis and study of molecules and materials, the exploration of their properties and the development of ways to use them. 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 to construct living organisms, transmit power from the sun, produce minerals and fuel environmental processes.

Popular study combinations
- Biochemistry and Molecular Biology
- Genetics
- Microbiology and Immunology
- Geology

**Course structure**

**Level 1 Core units**
- Chemistry – Properties and Energetics
- Chemistry – Structure and Reactivity

**Complementary units**
You may be required to take all or a combination of the following subjects:
- Mathematics Fundamentals
- Mathematics Foundations: Methods

**PHYSCAL AND ANALYTICAL SPECIALISATION**

**Level 2 Core units**
- Core Chemical Concepts and Techniques
- Physical and Analytical Chemistry

**Level 3 Core units**
- Essential Chemical Skills
- Chemical Explorations
- Chemical Spectroscopy and Structure
- Chemistry Beyond the Laboratory

**SYNTHETIC SPECIALISATION**

**Level 2 Core units**
- Core Chemical Concepts and Techniques
- Chemical Synthesis

**Level 3 Core units**
- Essential Chemical Skills
- Chemical Explorations
- Advanced Chemical Synthesis
- Synthetic Applications

**Career opportunities**
Graduates are in demand in chemical manufacturing and processing industries such as pharmaceuticals, agrochemicals, fine chemicals, metals, polymers, electricity, steel, mining and petroleum. Career opportunities can be found in analytical and quality-control laboratories as environmental and analytical or forensic chemists, in universities, scientific institutes, government or private-sector laboratories as research chemists, and in secondary or tertiary institutions as teachers.

**Further study options**
By undertaking honours in Chemistry, you will develop an understanding of the research process and your abilities to conduct independent research. You will acquire training and practice in skills such as experimental methods, problem solving, literature searching, data analysis, computing, team building, and written and oral communication. Upon completion, you will be able to undertake independent research design, data collection and data analysis, as well as communicate ideas, concepts and research findings in a succinct and effective manner via written, verbal and visual methods. You will also be able to work independently, think and act laterally, and use your initiative to resolve issues and problems encountered during the research process.
Human activity and population growth are increasing the pressure on natural ecosystems and some biologists believe Earth could be experiencing the sixth global mass extinction.

Conservation biologists work to prevent the extinction of the world’s plant and animal species. Southwestern Western Australia is one of the world’s 25 biodiversity hotspots, making WA an ideal living laboratory for your studies. If you are interested in fieldwork and want to actively participate in the management and research of threatened species and communities, then Conversation Biology is the major for you.

Popular study combinations
- Botany
- Zoology
- Indigenous Knowledge, History and Heritage
- Natural Resource Management

Course structure
Level 1 Core units
- Frontiers in Biology
- Plant and Animal Biology

Plus two complementary units:
- Science, Society and Data Analysis
- Communicating Science

Level 2 Core units
- Conservation Biology
- Ecology

Plus the following (for Perth campus only):
- Global Climate Change and Biodiversity
- Principles of Inheritance

Or the following (for Albany campus only):
- Global Climate Change and Biodiversity
- Geographic Information Systems

Level 3 Core units
- Ecosystem Restoration
- Ecological Processes
- Saving Endangered Species
- Wildlife Conservation and Management

Career opportunities
Conservation Biology graduates are employed by government agencies (such as the Department of Biodiversity, Conservation and Attractions and the CSIRO), botanic gardens and zoos, conservation-related organisations, universities and a variety of other sectors such as mining, local government, private companies, community and natural resource management groups.

Further study options
If you pursue further study, you will undertake rigorous scientific research related to the conservation of threatened flora, fauna or ecological communities. Honours or master’s research projects can vary from studying aspects of a rare species biology or ecology, to experiments investigating different threat mitigation strategies, or an analysis of the costs and benefits of different management techniques.

You will develop your practical and theoretical skills in conservation-related research by conducting your own research project and participating in units on conservation genetics, conservation planning, restoration ecology and data analysis. Honours in Conservation Biology can lead to many careers including (restoration) ecologist, conservation biologist, environmental impact assessor, flora or fauna officer, government policy writer and consultant, consultant for mining companies, science journalist, laboratory technician or field research officer.
Do you want to make a difference to help solve important environmental problems? Environmental Science assesses the impact of human activity on the global environment and develops scientific, risk-based solutions to help secure a sustainable future. This major encompasses both biological and earth sciences.

Environmental issues are many and varied, so the use of an interdisciplinary approach to problem solving is essential. You’ll develop techniques in scientific modelling to achieve practical solutions to these problems. Environmental scientists deal with issues such as climate change, carbon trading, greenhouse gas emissions, water-resource management, salinity, land degradation and rehabilitation, flora and fauna, habitat destruction, deforestation, energy and mineral depletion, air and water pollution, soil erosion, and groundwater contamination.

Popular study combinations
- Marine Science
- Conservation Biology
- Political Science and International Relations
- Natural Resource Management

Course structure
Level 1 Core units
- Environmental Science and Technology
- Disasters!

Level 1 Complementary units
- Science, Society and Data Analysis
- Communicating Science

BIOLOGY SPECIALISATION
Level 1 Core unit
- Plant and Animal Biology

Level 2 Core units
- Global Climate Change and Biodiversity
- Ecology

Plus one of the following:
- Soil Science
- Geographic Information Systems

Level 3 Core unit
- Ecological Processes

EARTH SPECIALISATION
Level 1 Core units
- The Dynamic Planet

Level 2 Core units
- Soil Science
- Hydrology and Water Resource Management

Plus one of the following:
- The Climate System
- Geographic Information Systems

Level 3 Core unit
- Land Rehabilitation

(plus one of the following across both specialisations)
- Land Capability Assessment
- Environmental Assessment
- Environmental Dynamics

Career opportunities
Graduates possess a diverse set of skills across earth, biological and environmental processes and understand the role of humans in landscapes. You could find employment in the mining and resources sector to manage environmental compliance, or work in state government agencies as well as non-government agencies to regulate and manage land and water resources in natural and agricultural landscapes as well as urban environments.

Further study options
Honours in Environmental Science will prepare you with advanced training in areas of land and water management, climate science, biogeochemical processes, ecology and soil science related to natural and disturbed environments, enabling you to successfully complete a research project. The project usually consists of fieldwork and will often involve industry partners. You will learn how to manage your time and interact with scientists and stakeholders, and be trained to communicate with confidence in both written and oral form. Employment opportunities include roles within companies overseeing environmental compliance, within consulting companies and within government agencies and departments managing natural, agricultural and urban environments, being part of investigative teams assessing environmental impacts, and being involved in regulating users of land and water resources.

study.uwa.edu.au/environment

PREREQUISITES: Mathematics Methods ATAR or Mathematics Applications ATAR with a mathematics unit taken in the first year
RECOMMENDED: Chemistry ATAR, Mathematics Methods ATAR

[ATAR 80]
DURATION 3 YEARS FULL-TIME
LOCATION PERTH
Exercise and Health

study.uwa.edu.au/exercise-health

PREREQUISITES: Mathematics Applications ATAR, or a mathematics unit taken in the first year
RECOMMENDED: Mathematics Methods ATAR

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Are you passionate about exercise and health? Do you want to educate and inspire others about keeping fit and being healthy? The health industry is a vital part of Australian life, with professional graduates playing a key role through policy and practice, across all life stages.

You’ll develop knowledge and skills in the exercise and health domain, with relevant training for careers in the health education, exercise rehabilitation, health service delivery and fitness industries. Your knowledge and skills also complement other science areas, potentially leading to postgraduate professional training.

Popular study combinations
- Sport Science
- Anatomy and Human Biology
- Genetics
- Physiology

Course structure
Level 1 Core units
- Applied Anatomy and Athletic Performance
- The Musculoskeletal System and Movement

Complementary units
- Mathematics Fundamentals (only for students without ATAT Mathematics Applications or WACE Mathematics 2C/2D)
- Psychology: Behaviour in Context
- Physical Fitness and Health

Level 2 Core units
- Exercise Physiology
- Promoting Lifelong Physical Activity
- Psychosocial Aspects of Sport, Exercise and Health

Level 3 Core units and option
- Exercise Prescription and Nutrition for Health and Fitness
- Lifespan Motor Development

Plus one of the following:
- Coaching Psychology
- Psychology of Sport

Career opportunities
Employment opportunities exist in healthy-lifestyle programming for the community and industry, sports development, health and fitness coordination and program management, and as an exercise scientist. You may decide to complete postgraduate qualifications in education, teaching, rehabilitation, physiotherapy, occupational therapy, recreation management, health promotion, medicine or work health and safety.

Further study options
Honours in Exercise and Health provides you with interdisciplinary research skills and advanced knowledge in a select sub-discipline area (exercise physiology/biochemistry, biomechanics, motor development, exercise and health psychology, or activity promotion). The Honours specialisation provides an ideal background for continuance to a PhD or other professional-based research degrees.
Genetics is the study of diverse biologically inherited traits. These include those that cause human disease, allow a rare plant to live in a single isolated location, or result in a desirable characteristic of a domestic animal used in agriculture.

The Genetics major provides you with a broad overview of the universal principles, potentials and problems associated with DNA-based life. You’ll learn how traits are inherited, how genetic processes control development and diseases, and how and why genomes are studied. Through a combination of hands-on laboratory sessions, teamwork, interactive tutorials and theoretical foundations, you’ll develop skills in critical thinking, experimental design, data analysis and interpretation, and oral and written communication.

Popular study combinations
- Biochemistry and Molecular Biology
- Exercise and Health
- Anatomy and Human Biology
- Microbiology and Immunology

Course structure
Level 1 Core unit and option
- Molecular Biology of the Cell

Plus one of the following:
- Frontiers in Biology
- Human Biology I: Becoming Human

Complementary units
- Statistics for Science

Students with WACE Chemistry, choose one of the following:
- Chemistry - Properties and Energetics
- Biological Chemistry

Students without WACE Chemistry take:
- Introductory Chemistry

Level 2 Core units
- Molecular Genetics I
- Principles of Inheritance

Level 3 Core units and option
- Evolution and Development
- Genomics
- Molecular Genetics II

Plus one of the following:
- Evolutionary Processes
- Medical Genetics

Complementary units
Students nominating Genetics as their degree-specific major in the Bachelor of Biomedical Science, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
- Statistics for Science
- Students with Chemistry ATAR take Chemistry – Properties and Energetics, or Biological Chemistry
- Students without Chemistry ATAR take Introductory Chemistry

Career opportunities
This major is your pathway to a global career as a geneticist. A geneticist can be a researcher in medicine, molecular biology and genetics, a genetic counsellor, a plant or animal breeder, an ecologist, or can work in pharmacology and various other specialities.

Further study options
By undertaking honours in Genetics, you will develop an understanding of the research process and your abilities to conduct independent research. You will acquire training and practice in skills such as experimental methods, problem solving, literature searching, data analysis, computing, team building, and written and oral communication. Subjects include Advanced Studies in Genetics and Genomics, Advanced Techniques in Molecular Sciences and others.
Geographical Sciences

study.uwa.edu.au/geography

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

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.

The Geographical Sciences major provides you with these insights, focusing on the challenges facing our planet, such as population growth, urban expansion and megacities, natural disasters, environmental conservation and climate change. Your degree provides you with the opportunity to participate in exciting field trips to a range of domestic and international locations, with recent overseas destinations including Bali, Barcelona and Seattle.

Course structure
Level 1 Core units
• Geographies of a Global City
• Disasters!

Take the following complementary units:
• The Dynamic Planet
• Science, Society and Data Analysis
• Communicating Science

Level 2 Core units
• Coastal Processes
• Geographic Information Systems
• Reading Landscapes: People and Processes

Take one of the following complementary units:
• The Climate System
• Hydrology and Water Resource Management

Level 3 Core units
• Advanced GIS and Remote Sensing
• Environmental Change
• Geographic, Environment and Planning Fieldwork

Career opportunities
The diverse skills and knowledge acquired by Geographical Sciences graduates results in them being chosen by employers such as government authorities, private-sector companies, environmental consultancies, non-government organisations and many other organisations concerned with managing the natural and human environment.

Further study options
Honours in Geography provides you with the skills and knowledge to engage in the advanced analysis of spatial patterns and processes in natural and built environments. It provides you with training in conceptual methodological approaches to geographical inquiry, and develops an appreciation of the links between theory and practice in geography. You will also engage in an independent research project on a topic of geographical significance.

Popular study combinations
• Natural Resource Management
• Geology
• Environmental Science
• Conservation Biology
Geology is an applied science that aims to understand all aspects of our planet, ranging from the Earth’s surface to the deep interior. It strives to discover how the Earth system has evolved during the past 4.4 billion years, including the origin of continents, oceans, the atmosphere and life itself.

You’ll learn about how applying knowledge of the Earth’s processes and timescales is fundamental to locating resources such as groundwater, petroleum and minerals, and understanding climate and other environmental changes. As most of Australia’s mineral and petroleum resources are in Western Australia, UWA is the ideal place to study Geology. You’ll have access to some of the world’s most advanced analytical equipment and supercomputing facilities, and attend lectures from leading experts and industry professionals, as well as computer and laboratory classes and tutorials, and undertake extensive field work.

**Popular study combinations**
- Natural Resource Management
- Geographical Sciences
- Environmental Science
- Archaeology

**Course structure**
**Level 1 Core units**
- Discovering Earth
- The Dynamic Planet

**Take the following complementary units:**
- Science, Society and Data Analysis
- Communicating Science

**Level 2 Core units**
- Earth Materials
- Earth Processes

**Take the following complementary unit:**
- Field Geology

**Plus one of the following:**
- Coastal Processes
- Hydrology and Water Resource Management

**Level 3 Core units**
- Basin Analysis
- Geochemistry and Petrology
- Geological Mapping
- Structural Geology and Tectonics

**Career opportunities**
Employment opportunities are diverse and include the resources industries (such as energy, mineral deposits and groundwater) or research fields such as planetary geology, volcano or earthquake hazard prediction. Additional opportunities exist in government agencies, dealing with resources or environmental consultancies and agencies. Many graduates continue to develop their specialist skills in industry or government agencies around the world, while others join academic institutions.

**Further study options**
Honours in Geology provides you with an opportunity to undertake coursework units with direct application to important resources in Western Australia, as well as a research project. As a graduate you will be well positioned to find employment in the resources industries (such as energy, mineral deposits and groundwater) and environmental fields.

The honours specialisation will strengthen and expand the knowledge and skills you gained during your undergraduate degree and will provide experience in completing a major research project, which requires high-level scientific writing and oral presentation skills. An honours degree may also lead you to the completion of a higher degree by research and further employment opportunities in industry, university, or government research organisations.

The Bachelor of Science with a major in Geology is recognised by the Australian Institute of Mining and Metallurgy (AusIMM). Students undertaking this course may be eligible for bursaries and scholarships offered by the AusIMM, and are eligible to apply for membership on completion of their degree.
If you are fascinated by our amazing marine and coastal environments, Marine Science is the major for you. Western Australia's marine environment is a biodiversity hotspot, with up to 80 per cent of its fish, invertebrates and other organisms found nowhere else in the world, making WA an ideal living laboratory for your studies.

This major includes marine biology and ecology, marine and coastal management, and oceanography. It combines knowledge of marine aquatic life with a solid understanding of the physical environment. Through experimental design and research, you will learn to appreciate the complex interactions that occur in marine ecosystems.

**Popular study combinations**
- Natural Resource Management
- Zoology
- Environmental Science
- Conservation Biology

**Course structure**

**COASTAL AND OCEAN SYSTEMS SPECIALISATION**

**Level 1 Core units**
- Plant and Animal Biology
- The Dynamic Planet

**Complementary units**
- Science, Society and Data Analysis
- Communicating Science

**Level 2 Core units**
- Coastal Processes
- Marine Systems

**Complementary unit**
- Geographic Information Systems

**Plus one of the following:**
- Marine Biology
- Global Climate Change and Biodiversity

**Level 3 Core units**
- Coastal Conservation and Management
- Oceanography
- Environmental Dynamics
- Field Techniques in Marine Science

**MARINE BIOLOGY SPECIALISATION**

**Level 1 Core units**
- Plant and Animal Biology
- The Dynamic Planet

**Complementary units**
- Science, Society and Data Analysis
- Communicating Science

**Level 2 Core units**
- Marine Biology
- Marine Systems

**Take one from both Group A and Group B**

**Group A**
- Ecology
- Geographic Information Systems

**Group B**
- Coastal Processes
- Global Climate Change and Biodiversity

**Level 3 Core units**
- Coastal Conservation and Management
- Oceanography
- Ecological Processes
- Field Techniques in Marine Science

**Career opportunities**

Graduates are employed in fisheries and marine conservation agencies at state and federal levels, consulting firms, the resources industry, the fishing industry, agencies such as Greenpeace and Reef Check, and in research at CSIRO, the Oceans Institute and universities.

**Further study options**

As an honours student in Marine Science, you will conduct research into the structure and/or functioning of the relatively understudied marine ecosystem. Research projects range from marine conservation and fisheries management through to community and population ecology and behaviour to physical and biological oceanography or coastal management. You may study near-shore benthic habitats or the open oceans or even the deep sea, either collecting data yourself or analysing what has been gathered remotely by video or sonic recorders. You will acquire skills in critical thinking, experimental design and analysis, scientific writing and public presentation. This will equip you for entry into postgraduate research programs or workplaces such as environmental consultancies or local and national government agencies.
Growing populations in less-developed countries and rising incomes in more developed countries are placing increasing demands on the Earth’s resources. Consequently, there are many unresolved conflicts over the use of natural resources and the conservation of the environment.

As a Natural Resource Management student, you will learn how to apply scientific, economic and social knowledge to help societies resolve these conflicts. If you have a strong interest in science, a commitment to conserving natural resources in a sustainable manner and want to play a role in the future of our environment, you are well suited to this area. As part of this major, you’ll take part in up to two field trips.

Popular study combinations
- Agricultural Science
- Zoology
- Environmental Science
- Conservation Biology

Course structure
Level 1 Core units
- Environmental Economics 1
- Geographies of a Global City
Take complementary units:
- Science, Society and Data Analysis
- Communicating Science

Level 2 Core units
- Environmental Economics 2
- Quantitative Methods in Environmental Management
Take complementary units:
- Geographic Information Systems
- Reading Landscapes: People and Processes

Level 3 Core units
- Business and the Environment
- Decision Tools for Natural Resource Management
- Environmental Policy and Planning
- Project and Risk Management

Career opportunities
Graduates are in high demand as the world grapples with the challenge of sustainably managing our natural environment. Key employers include government departments and agencies responsible for the environment, conservation, climate-change policy, agriculture and food, and primary industries. In the private sector, employers include engineering and environmental consultancies, and the mineral and energy industries. Employers also include non-governmental organisations such as the World Wildlife Fund.

Further study options
Honours in Natural Resource Management provides you with advanced training and the skills needed to manage natural-resource systems and help conserve the environment. Numerous career paths are open to graduates, with key employers including state and federal departments and agencies with responsibilities in the area of environment, conservation, climate-change policy, agriculture and food, primary industries and so on, as well as private sector firms working in the resource sector and primary industries, and non-governmental organisations such as Landcare.
How do we process sensory stimuli? How do medical conditions such as Alzheimer’s disease, deafness, dementia and depression affect the brain and nervous system? Neuroscience investigates the answers to these questions and all areas of the nervous system.

The Neuroscience major looks at concepts in human and experimental neuroscience, introducing you to research techniques and providing a solid background on what we know about the normal and abnormal/injured brain. Academics with international reputations in research will teach you about the nervous system at all levels, from the transfer of information from one nerve cell to another, to the complexities of how behaviour, thought and emotions are produced.

Popular study combinations
- Psychological Science
- Genetics
- Biochemistry and Molecular Biology
- Anatomy and Human Biology

Course structure

**Level 1 Core units**
- Psychology: Behaviour in Context
- Psychology: Mind and Brain

Take complementary subjects:
- Communicating Science

**Plus one pair of units:**
- Frontiers in Biology, and Molecular Biology of the Cell
- Human Biology I: Becoming Human, and Human Biology II: Being Human

**Level 2 Core units**
- Human Neurobiology
- Physiology of Cells

Take one of the following complementary units:
- Cognitive Neuroscience
- Perception and Sensory Neuropsychology

**Level 3 Core units**
- Advanced Neuroscience 1
- Advanced Neuroscience 2
- Comparative Neurobiology
- Neuroscience

Career opportunities

Neuroscience is a diverse, multidisciplinary science and graduates will be well-suited to a range of employment destinations, including research and clinical laboratories and government agencies.

Further study options

Honours in Neuroscience is a blend of coursework and research project work designed to introduce you to the world of research. It will equip you with the skills and flexibility of outlook needed to deal with rapidly changing technologies, and will lead into habits of critical thinking, problem analysis and public presentation. The combination of formal study and practical experience offered by this honours specialisation is suitable preparation for entry into graduate professional courses such as medicine, physiotherapy, audiology, chiropractic, nursing, teaching or forensics, especially for students interested in furthering those fields through research. The honours specialisation also provides a suitable entry-level qualification for biomedical research.
How does your body cope with stresses such as intense exercise, blood loss and dehydration? How does your nervous system respond to the world around you? Physiology provides answers to these questions and teaches you how the human body works.

Through the Physiology major, you’ll gain a detailed understanding of how the human body works, from the molecular and cellular level to tissues and organs, and explain how these interact together with the environment to produce beneficial results for the organism. You’ll also examine diseases, and the changes that occur at the molecular and cellular level and how these impact on whole-body function. Through these investigations you will come to understand how physiologists contribute to the development of new diagnostic and therapeutic strategies to combat the mechanisms of disease.

Popular study combinations
- Exercise and Health
- Genetics
- Sport Science
- Anatomy and Human Biology

Course structure

Level 1 Core options (select two)
- Frontiers in Biology
- Human Biology I: Becoming Human
- Human Biology II: Being Human
- Molecular Biology of the Cell

Take complementary units:
- Introductory Chemistry (if you do not have Chemistry ATAR or equivalent)
- Mathematics Fundamentals (if you do not have Mathematics: Applications ATAR, WACE Mathematics 2C/2D or equivalent)

Level 2 Core units
- Physiology of Cells
- Physiology of Human Body Systems

Level 3 Core units
- Physiology of Cardiovascular and Respiratory Systems
- Physiology of Integrated Organ Function
- Physiology of Membranes, Muscles and Signalling
- Physiology of Nutrition and Metabolism

Career opportunities

There is growing demand for physiology graduates to investigate the action of genes in the body. Physiology graduates are well prepared for a range of professional careers requiring postgraduate study, such as medicine, pharmacy and clinical audiology. Opportunities exist for employment as scientists in commercial organisations or in sales associated with these types of organisations, and in public science education. If you have combined your major with qualifications in the areas of Sport Science or Exercise and Health, you could also find a career in health promotion and fitness.

Further study options

Honours in Physiology is a blend of coursework and research project work designed to introduce you to the world of research. The combination of formal study and practical experience offered by honours in Physiology is suitable preparation for entry into graduate professional courses such as medicine, physiotherapy, audiology, chiropractic, nursing, teaching or forensics, especially for students interested in furthering those fields through research.
Are you interested in how we learn, remember and think? Have you ever wondered how we control our movements or how we sense and respond to the objects and events around us? Psychology allows you to explore how and why people behave the way they do.

Psychological Science is the scientific study of mental processes and behaviour, and is a challenging and wide-ranging discipline that provides you with an understanding of our psychological processes and the relationship of these processes to brain function. You’ll also develop an understanding of how these processes are affected by ageing, brain damage and disease.

Popular study combinations
- Science Communication
- Marketing
- Exercise and Health
- Anatomy and Human Biology

Course structure
Level 1 Core units
- Psychology: Behaviour in Context
- Psychology: Mind and Brain

Take the following complementary unit:
- Mathematics Fundamentals
  (if you do not have ATAR Mathematics: Applications, WACE Mathematics 2C/2D or equivalent)

Level 2 Core unit and option
- Introduction to Quantitative Methods in Psychology

Plus one of the following:
- Cognitive Neuroscience
- Cognitive Psychology
- Perception and Sensory Neuropsychology
- Psychology: Atypical Development

Level 3 Core units
- Intermediate Quantitative Methods in Psychology
- Psychology: Specialist Research Topics

Complementary units
Students without ATAR Mathematics Applications, WACE Mathematics 2C/2D or higher must complete Mathematics Fundamentals.

Career opportunities
This major prepares you for a career in which knowledge of human nature is valuable, such as government agencies, business, teaching and welfare. Your expertise with social survey methods, computer technology and measurement techniques means market research, advertising and media are also career options.
Psychology is a fascinating and diverse area of study that touches on many aspects of daily life -- seeking to answer questions about how and why people behave the way they do. How do groups communicate? Can panic be controlled? How do attitudes to alcohol consumption develop? These are just a few of the questions psychologists investigate.

The Psychology in Society major will help you build a scientific understanding of human behaviour and its underlying psychological processes. You will find an emphasis on the measurement of psychological abilities such as intelligence, how these abilities develop through the life span and on the processes that govern the relationships between people and groups in society. Students hoping to pursue further study at postgraduate level leading to professional accreditation as a psychologist should complete the Psychology double major.

During the major you will be exposed to sensitive topics (e.g. depression, suicide, trauma, eating disorders). You will also be required to demonstrate skills across a variety of different formats and contexts (e.g. written assessments, participation in practical work, contribution to group discussions, oral presentations), so it is important to carefully consider whether you are able to cope with the demands of a psychology major and whether there is anything that would impact on your ability to complete the requirements of the major.

Popular study combinations
- Psychological Science
- Marketing
- Management
- Neuroscience

Course structure

**Level 1 Core units**
- Psychology: Behaviour in Context
- Psychology: Mind and Brain

**Level 2 Core unit and option**
- Introduction to Quantitative Methods in Psychology

Plus one of the following:
- Adult Psychopathology
- Industrial and Organisational Psychology
- Psychology and Social Behaviour
- Psychology: Lifespan Development

**Level 3 Core units and options**
- Psychological Measurement and its Application
- Psychological Science in the Modern World

**Take two units with at least one from**

**Group A:**
- Adult Psychopathology
- Industrial and Organisational Psychology
- Psychology and Social Behaviour
- Psychology: Lifespan Development

**Group B:**
- Cognitive Neuroscience
- Cognitive Psychology
- Perception and Sensory Neuropsychology
- Psychology: Atypical Development

Career opportunities
Career opportunities are varied as graduates are prepared for an occupation in which knowledge of human behaviour, psychological measurement techniques, and experimental design and data analysis is valuable. Possible careers could be in business, teaching, market research, welfare and politics.
Psychology is a fascinating and diverse area of study that touches upon many aspects of daily life, seeking to answer questions about how and why people behave the way they do.

A Psychology double major helps you develop a scientific understanding of human thoughts and behaviours, the psychological processes underlying these and the relationship of these processes to brain function. You’ll find an emphasis on the measurement of psychological abilities, on how these develop throughout life and on the processes that govern the relationships between people and groups in society. The Psychology double major has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) as a three-year psychology sequence.

Course structure
Level 1 Core units
- Psychology: Behaviour in Context
- Psychology: Mind and Brain

Take the following complementary unit:
- Mathematics Fundamentals (if you do not have Mathematics Applications ATAR or higher)

Level 2 Core unit and options
- Introduction to Quantitative Methods in Psychology

Plus two from the following:
- Psychology: Atypical Development
- Industrial and Organisational Psychology
- Psychology and Social Behaviour
- Psychology: Lifespan Development
- Adult Psychopathology
- Cognitive Psychology
- Cognitive Neuroscience
- Perception and Sensory Neuropsychology

Level 3 Core units
- Intermediate Quantitative Methods in Psychology
- Psychological Measurement and its Application
- Psychological Science in the Modern World
- Psychology: Specialist Research Topics

Plus four from the following:
- Psychology: Atypical Development
- Industrial and Organisational Psychology
- Psychology and Social Behaviour
- Psychology: Lifespan Development
- Adult Psychopathology
- Cognitive Psychology
- Cognitive Neuroscience
- Perception and Sensory Neuropsychology

Complementary units
Students nominating Psychology as their degree-specific major in the Bachelor of Arts, Bachelor of Science or Bachelor of Philosophy (Honours) course must also study:
- Mathematics Fundamentals (for those students without Mathematics Applications ATAR or higher)

Career opportunities
Career opportunities are varied as graduates are prepared for an occupation in which knowledge of human behaviour, psychological measurement techniques, and experimental design and data analysis is valuable. Possible careers could be in business, teaching, market research, welfare and politics. The Psychology double major can also lead to further study and professional qualifications in psychology.

Further study options
Psychology (Honours) has been awarded accreditation without conditions by the Australian Psychology Accreditation Council (APAC) as a fourth year of psychology study, and graduates are eligible for provisional registration with the Psychology Board of Australia.

*Accreditation information and status is correct at time of publication.
Do you want to work with elite athletes or the general public in the health and fitness sector? The Sport Science major prepares you thoroughly for a successful career in the sport and recreation industries.

You’ll gain the knowledge, skills and understanding needed in areas such as sport management and delivery, and in service delivery essential for athlete preparation and specialised fitness industries. The award-winning Sport Science practicum provides you with valuable workplace experience, enabling you to integrate theoretical concepts with professional practice and interact with other professionals. Placements are available in WA (at no cost) and overseas (at your expense).

Popular study combinations
• Science Communication
• Physiology
• Exercise and Health
• Anatomy and Human Biology

Course structure
Level 1 Core units
• The Musculoskeletal System and Movement
• Applied Anatomy and Athletic Performance

Take the following complementary units:
• Human Biology I: Becoming Human
• Human Biology II: Being Human
• Physical Fitness and Health
• Mathematics Fundamentals (if you to not have ATAR Mathematics: Applications, WACE Mathematics 2C/2D or equivalent)

Level 2 Core units
• Motor Learning and Control
• Biomechanics in Sport and Exercise
• Exercise Physiology

Level 3 Core units
• Biomechanical Principles
• Sport Physiology
• Professional Practice Part 1
• Professional Practice Part 2

Career opportunities
Sport Science graduates will have the choice of three distinct career paths. You could enter the broad sports promotion, management and marketing sector, or you might prefer a career in athlete preparation as an exercise scientist. The third pathway will see you move into graduate training in sport, recreation management, coaching, exercise rehabilitation, occupational safety and health or research.

Further study options
Students with a Sport Science major can pursue further studies at postgraduate level. Other further study options include the Master of Exercise Science (coursework), Graduate Diploma in Education, Master of Teaching, and the Master of Exercise Science (thesis and coursework) or an honours year in Sport Science, Exercise and Health.

PREREQUISITES: Mathematics Applications ATAR, or a mathematics unit taken in the first year
RECOMMENDED: Mathematics Methods ATAR

ATAR 80
DURATION 3 YEARS FULL-TIME
LOCATION PERTH
This course provides a sound basis in sport and exercise-science theory combined with practical, technical and communication skills.

Your options for graduate studies will be expanded, leading to higher qualifications in specialist accredited courses. If you choose this double major, you will be eligible to apply for professional accreditation as an exercise scientist with Exercise and Sports Science Australia (ESSA) within two years of completing your degree.

You’ll begin 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 in the sporting arena. You’ll also learn about the ability to develop, maintain and promote a fit and healthy lifestyle throughout the lifespan.

You’ll learn how to apply this knowledge in the assessment of physical, physiological and mechanical characteristics of sports performance, and the prescription of appropriate interventions to maintain athlete strengths and improve weaknesses. You’ll also learn how to apply this knowledge in the assessment of health indicators and the prescription of exercise for apparently healthy individuals.

Course structure
Level 1 Core units
- The Musculoskeletal System and Movement
- Applied Anatomy and Athletic Performance

Take the following complementary units:
- Human Biology I: Becoming Human
- Human Biology II: Being Human
- Physical Fitness and Health
- Mathematics Fundamentals (if you do not have ATAR Mathematics Applications, WACE Mathematics 2C/2D or equivalent)

Level 2 Core units
- Motor Learning and Control
- Biomechanics in Sport and Exercise
- Exercise Physiology
- Psychosocial Aspects of Sport, Exercise and Health
- Promoting Lifelong Physical Activity

Level 3 Core units and option
- Exercise Prescription and Nutrition for Health and Fitness
- Lifespan Motor Development
- Biomechanical Principles
- Sport Physiology
- Professional Practice Part 1
- Professional Practice Part 2

And one of the following:
- Psychology of Sport
- Coaching Psychology

Career opportunities
Graduates will have the choice of three distinct career paths. You could enter the broad sports promotion, management and marketing sector, or you might prefer a career in athlete preparation as an exercise scientist. The third pathway will see you move into graduate training in sport, recreation management, coaching, exercise rehabilitation, occupational safety and health or research.

Further study options
Honours in Sport Science, Exercise and Health provides you with interdisciplinary research skills and advanced knowledge in a select sub-discipline area (exercise physiology/biochemistry, biomechanics, motor development, exercise and health psychology, or activity promotion). The honours specialisation provides an ideal background for continuation to a PhD or other professional-based research degrees.

You will gain a greater depth of knowledge in your area of specialisation, while also developing research skills. You will learn to plan, administer testing, analyse and present data both in written and oral formats, as well as prepare a written manuscript for peer-reviewed publications.
If you are creative, love science and want to work with people, Science Communication is an ideal major for you. Science communicators work to facilitate public engagement with research, inspire the next generation of scientists and advocate for science.

Science Communication provides you with experience in new media, written, oral and visual presentations, science performance and working with industry experts. You’ll develop a Science Communication portfolio, including writing, videos, podcasts, professional reports, presentations, exhibits, posters and websites.

This major must be taken with another science major, providing you with scientific knowledge and highly marketable communication skills.

Popular study combinations
- Sport Science
- Psychological Science
- Geology
- Environmental Science

Course structure
Level 1 Core units
- Communicating Science
- Psychology: Behaviour in Context

Level 2 Core units and option
- Science Presentations
- Science Writing

Plus one of the following:
- Science Consultancy Project
- Science Work Placement

Level 3 Core units
- Journalism in Practice
- Exhibitions and Interpretation
- Science and the Media

Career opportunities
You will be highly sought-after by employers for your written and verbal communication skills. Your career could take any number of paths such as finding employment in science centres, museums, zoological and botanical gardens, environmental education, schools, research organisations including government agencies, non-government organisations, hospitals, industry and the media.

Further study options
As an honours student in Science Communication, you will consolidate your research skills by conducting an original, individual research project with supervision. You will receive training in research methodologies and writing, as well completing a written thesis. There’s a variety of projects available using both qualitative and quantitative methods, working within the University with external partners such as the Perth Zoo or Scitech. An honours degree is valued by science communication employers who want evidence of critical-thinking and research skills, particularly in roles that require program evaluation.
Zoology focuses on the diversity of animals and how they survive, thrive and persist in their habitats. These habitats vary considerably, ranging from deserts through to temporary wetlands and rainforests. Zoologists discover the solutions to the problems presented by these habitats. The Zoology major provides you with a sound knowledge and understanding of animal structure and function and the evolutionary processes that have engendered animal diversity. You’ll also study physiology, reproduction, behaviour, community ecology and molecular genetics. As part of this major, you’ll take part in up to two field trips.

Popular study combinations
- Agricultural Science
- Conservation Science
- Environmental Science
- Marine Science

Course structure
Level 1 Core units
- Frontiers in Biology
- Plant and Animal Biology

Take the following complementary units:
- Science, Society and Data Analysis
- Communicating Science

Level 2 Core units and options
- Animal Function and Structure
- Ecology

Plus two of the following:
- Animal Ethics and Welfare
- Field Studies in Zoology
- Principles of Inheritance

Level 3 Core units
- Animal Populations
- Behavioural Ecology
- Environmental Physiology
- Evolutionary Processes

Career opportunities
Zoology graduates are employed in environmental consultancies, fisheries, aquaculture and the resources sector. They may also work in government departments such as Environment and Energy, and Parks and Wildlife, in museums and zoos, or in environment and conservation research agencies (CSIRO). Others may join academic institutions.

Further study options
Honours in Zoology is a blend of coursework and research designed to introduce you to the world of research on animals. You’ll be equipped with the skills and flexibility of outlook needed to deal with rapidly changing technologies, leading to habits of critical thinking, problem solving, statistical analysis and effective science communication, which would serve in any leadership role. You’ll be guided through each step of your research project.

The combination of formal study and practical experience offered by the course prepares you for entry into postgraduate academic research programs and into workplaces including, but not limited to, environmental consultancy or local and national government research agencies. You’ll develop skills of logical and creative thinking and writing through exposure to a range of research projects via seminars, the guided formulation of a research proposal, and the iterative cycle of production–feedback–review–refinement involved in the writing of a research paper.

Honours in Zoology can lead to many careers including ecologist/biologist, environmental impact assessor, scientific researcher, science education, flora or fauna officer, government policy writer and consultant, consultant for mining companies, science journalist, laboratory technician or field research officer.
How to apply for an undergraduate course

1. Find a course
   Explore your options at study.uwa.edu.au. You can also visit the Tertiary Institutions Service Centre (TISC) website tisc.edu.au or obtain a copy of the TISC Guide.

2. Check the entry requirements
   Entry to most courses is assessed on your ATAR (or equivalent), but it is important to check for additional selection criteria that can apply to some courses and pathways. See below for courses with additional entry requirements. You should also check the prerequisite subjects for your course of interest.

7. Offers are released
   If you receive an offer, you’ll be given instructions on how to accept your place and how to get started on your UWA journey.
Investigate your entry options
We offer a number of special entry pathways for Indigenous and non-Indigenous students. See pages 80 to 81 for more information.

Visit us
Open Day is a fantastic opportunity for you and your family to get a taste of uni life at UWA. If you can’t make it to Open Day, campus tours are held throughout the year for you to come and explore. To discuss your study options at UWA, contact our Future Students team on 131 UWA (131 892) or at ask.uwa.edu.au.

Results and change of preferences
Once you’ve received your final Year 12 results and ATAR, you’ll have a short timeframe to change your preferences. This can be done online via the TISC website. Our Admissions team is available during this time to answer any questions you may have about changing preferences and entry requirements.

Apply
Once you’ve selected your UWA courses, submit your application at tisc.edu.au. You can learn more about the TISC process at tisc.edu.au. For mid-year or mature-age applicants, you can apply directly to UWA via study.uwa.edu.au/apply.
The University of Western Australia is the only Australian university that offers a combined PhD and master’s degree in audiology that can be completed over four years. Audiology is the clinical science involving the prevention, assessment and rehabilitation of hearing loss and associated communication disorders.

The course develops your knowledge of clinical audiology with structured coursework units and you then have the opportunity to create new knowledge in a preferred research topic with guidance from an expert supervisor during your PhD.

The Clinical Audiology course commences in January, with a new intake of students in even-numbered years only. It is an intensive full-time course with tuition divided between intensive modules and clinical placements. The intensive modules require full-time attendance, equivalent to 40 hours per week, over their whole duration which is usually seven weeks. Clinical placements are managed by the Clinical Coordinator.

Admission requirements
An honours degree of at least 2A level, or a qualification recognised as equivalent by the Board of the Graduate Research School (the Board) and the Faculty; and satisfied the requirements of Doctor of Philosophy Rules at http://handbooks.uwa.edu.au/coursedetails?id=c235#rules; and have a current National Police Certificate, National Criminal History Check or equivalent certification from a country of residence, indicating no criminal conviction. English language requirement: Upon application IELTS (Academic) score of 7.0 and no band less than 7.0.

Career opportunities
Many audiologists are involved in research, helping to develop new behavioural and electrophysiological test techniques, cochlear implants, hearing aids and hearing health therapies. Some audiologists work in community and workplace settings including programs aimed at reducing the prevalence and impact of middle ear disease in rural and remote aboriginal communities, newborn hearing screening programs and hearing conservation programs in industry.

Accreditation
The Doctor of Philosophy and Master of Clinical Audiology is accredited by Audiology Australia, and graduates are eligible for full membership after completion of an Audiology Australia internship program.

Course structure
Take 10 units from the following:
- Audiological Instrumentation
- Basic Clinical Audiology Part 1
- Physiology of the Auditory System
- Pathophysiology of the Auditory and Vestibular Systems
- Basic Clinical Audiology Part 2
- Speech, Language and Communication
- Evoked Responses in Clinical Diagnosis
- Hearing Devices and Adult Aural Rehabilitation
- Advanced Hearing Aids and Rehabilitation Part 1
- Advanced Clinical Audiology Part 2
- Community and Workplace Audiology
- Audiology Practice Management
- Advanced Clinical Audiology Part 1
- Advanced Hearing Aids and Rehabilitation Part 2

Units to be chosen in consultation with the course coordinator.
This course combines the Master of Clinical Neuropsychology and PhD training across a four-year period. This course produces psychologists who have the necessary academic and practical foundation, skills and experience to develop into competent clinicians grounded in the scientist practitioner tradition. Such clinicians should be skilled at developing therapeutic relationships with their clients and be competent to work productively and to the benefit of a wide range of clients across a broad variety of settings.

You will complete the course with a strong knowledge of neuropsychology including:

- relevant psychological theories and models
- published empirical findings supporting theories (especially those that underpin the major forms of psychological intervention) and the methods employed to establish them
- the major methods of psychological investigation and techniques of measurement and their application and interpretation
- design and implementation of psychological interventions
- legal and professional matters
- psychological assessment and measurement
- intervention strategies
- research and evaluation, and
- communication and interpersonal relationships.

**Admission requirements**
To be considered for admission to this course, you must have:

- an accredited bachelor’s degree with honours in psychology with upper second class honours (2A), or an equivalent qualification, as recognised by UWA.

You must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, which includes meeting the Board’s English language registration standard, and applicants must have secured a PhD supervisor from the School of Psychological Science at the time of submitting their application.

**Career opportunities**
This course will prepare you for opportunities in research and academic settings, as well as clinical work as a neuropsychologist. Possible career outcomes include working as a psychology academic, professional psychologist or clinical neuropsychologist, among others.

**Accreditation**
The Doctor of Philosophy and Master of Clinical Neuropsychology has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) and graduates are eligible to register with the Psychology Board of Australia and practise as a psychologist with an area of practice endorsement in clinical neuropsychology.
This course combines the Master of Clinical Psychology and PhD training across a four-year period. It is intended for students who are motivated to become future leaders in the field of clinical psychology by developing and combining high-level skills in clinical practice and research. It will enable you to engage effectively in professional practice and significantly advance the discipline in research. You will gain the knowledge and skills allowing you to practise psychology safely and independently upon registration.

You will learn to:
• administer and interpret a wide range of psychological tests and assessment instruments
• apply a range of evidence-based interventions
• apply sound practice principles concerning the therapeutic relationship
• liaise and work effectively with other mental health and allied health professionals in a range of organisational contexts, and
• work in ethically appropriate ways in your psychological practice in accordance with the requirements of the profession.

Admission requirements
To be considered for admission to this course, you must have:
• an accredited bachelor’s degree with honours in psychology with upper second class honours (2A), or an equivalent qualification, as recognised by UWA.

You must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, which includes meeting the Board’s English language registration standard, and applicants must have secured a PhD supervisor from the School of Psychological Science at the time of submitting their application.

Career opportunities
This course is designed for those who would like to make a difference in the psychological practice through research. Possible career outcomes include working as a psychology academic, professional psychologist, health diagnostic and promotion professional, health promotion officer, or health researcher, among others.

Accreditation
The Doctor of Philosophy and Master of Clinical Psychology has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) and graduates are eligible to register with the Psychology Board of Australia and practise as a psychologist with an area of practice endorsement in clinical psychology.

Course structure
Take all units:
• Applied Research Methods
• Assessment and Intervention – Adult Complex Disorders
• Clinical Psychology and Health
• External Practicum
• External Practicum
• Foundations in Clinical Skills I
• Foundations in Clinical Skills II
• Assessment and Intervention – Childhood Disorders
• Assessment and Intervention – Emotional Disorders
• Practicum I
• Practicum II
• Special Topics in Clinical Psychology
Industrial and Organisational Psychology is a specialist area that applies psychological knowledge and skills to workplaces with the aim of improving organisational effectiveness and the quality of work life.

You will develop expert, specialised skills in industrial and organisational psychology. Upon completion of this course, you will be able to review, analyse, consolidate and synthesise knowledge and provide solutions to complex problems.

Specialised technical knowledge and skills will be obtained through coursework and practicum components of the course. You will complete the course with highly developed skills in assessment; treatment and intervention; and research, with an emphasis on an evidence-based framework. The skills developed are in line with the essential core capabilities and attributes required by the Australian Psychology Accreditation Council (APAC) and the Australian Psychological Society’s (APS) College of Organisational Psychologists for postgraduate professional courses.

Admission requirements
Applicants must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, including meeting the Board’s English language registration standard. You must also have an accredited bachelor’s honours degree in psychology with an upper second class honours (2A), or an equivalent qualification, as recognised by UWA; and you must have secured a PhD supervisor from the School of Psychological Science at the time of submitting your application.

Career opportunities
This course is designed to lead to professional registration for graduates with the specialist title of organisational psychologist. You could find roles as an academic, analyst, psychologist, workplace relations adviser and human resource professional, among others.

Accreditation
The Doctor of Philosophy and Master of Industrial and Organisational Psychology has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) and graduates are eligible to register with the Psychology Board of Australia and practise as a psychologist with an area of practice endorsement in industrial and organisational psychology.

Course structure
Take all units:
- Research Methods in Applied Settings
- MIOP Practical Placement 3
- Human Factors
- MIOP Practical Placement 1 Part 1
- MIOP Practical Placement 1 Part 2
- Psychology of Training
- Assessment and Selection for Psychologists
- Organisational Change for Psychologists
- Psychology-based Approaches in Managing Work Health and Safety
- MIOP Practical Placement 2

You must also take offered two units from the UWA Business School, as approved by the course coordinator or the Head of the School of Psychology.
The Master of Agricultural Economics is a globally relevant applied economics degree that focuses on the analysis of production, consumption, trade and sustainability in the global food, fibre, and energy sectors. The degree offers both technical and applied economics training across areas that are immediately relevant to careers in economic consulting, agribusiness, government, and non-governmental organisations.

Gain specialised knowledge in the areas of production economics, consumer demand analysis, trade theory, development economics, and applied econometrics; and learn how to apply this knowledge to improve the production, profitability, and environmental performance of agricultural businesses.

Learn to critically apply knowledge in the area of environmental and natural resource economics to identify strategies that improve public policy outcomes, in both developed and developing countries.

Learn how to draw knowledge from biological and physical sciences into economic analyses that address issues of agricultural production, farm management and food security.

Graduates of a Master of Agricultural Economics will be able to analyse the economics of options for improving the performance of farms or agribusiness firms, design and evaluate options for government policy for agriculture, identify constraints on production and inefficiencies in supply chains and marketing operations, evaluate the return on investment for businesses or governments, assess options for sustainable management of natural resources, and explain the economic behaviour of farmers and other businesses.

Admission requirements
A bachelor’s degree or equivalent as recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Career opportunities
The career options for graduates from the program are broad and include consulting, agribusiness, grain marketing and grains trading, agricultural extension, banking, insurance and risk management, rural development agencies, and government and non-governmental organisations of various types in developed or developing countries.

Course structure
Core units:
• Agribusiness
• Environmental and Resource Economics
• Agriculture and Economic Development
• Fundamental Microeconomics for Agriculture and Policy

• Microeconometric Models for Agriculture and Natural Resources
• Topics in Agricultural Economics
• Data Management and Analysis in the Natural Sciences

Electives (choose five)
• International Agriculture: Research and Development (Agricultural Economics)
• Advanced Development Economics
• Advanced International Trade
• Economic Development in Theory and Practice
• Production Economics and Efficiency Analysis
• Advanced Microeconomic Theory
• Consumer Behaviour and Demand Analysis
• Climate, Energy and Water Economics
• Applied Advanced Econometrics
• Analysis for Natural Resource Management

Conversion units
Students commencing in Semester 1 or 2 take Data Use in Science, Economics for Business: Applications and Policy.

Students commencing in Semester 1 take Agricultural Economics and Marketing and Quantitative Methods for Business Economics or Business Econometrics.

Students commencing in Semester 2 take Business Economics and Quantitative Methods for Business or Business Econometrics or Intermediate Mathematics for Economists.

Part time study is available.
Agricultural Science provides the research, technology and information for the sustainable, profitable and ethical development of agricultural industries. Studies in agricultural science include soil science, plant breeding, animal breeding, crop and pasture systems, soil-plant interactions, plant nutrition, integrated pest management, livestock production, scientific modelling, agricultural economics and agribusiness, data management, science communication and other topics. UWA is well equipped for teaching and research in agricultural science, with a field station at Shenton Park, a research farm near Pingelly, and the outstanding research and outreach activities of the UWA School of Agriculture and Environment, the Institute of Agriculture, the Centre for Plant Genetics and Breeding, SoilsWest and the Australian Herbicide Resistance Initiative.

Specialisations include:
- Agricultural Economics
- Crop and Livestock Farming Systems
- Genetics and Breeding
- Soil Science and Plant Nutrition

You nominate a specialisation on application.

Why study Agriculture at UWA?
- UWA is ranked first in Australia and 14th in the world for Agricultural Science. (2018 Academic Ranking of World Universities (ARWU))
- UWA is ranked first in Australia and 18th in the world for Environmental Science and Engineering (ARWU 2018)
- UWA is ranked 32nd in the world for Agriculture and Forestry (QS 2018)
- The Institute of Agriculture assists with work experience placements
- Strong links with industries and networking opportunities
- A vibrant and interactive teaching and learning environment
- Many areas of research strength and well-designed units and course specialisations
- Strong cohort of students (domestic and international)
- Work with world-leading agricultural scientists and other specialisations in the Faculty of Science

Admission requirements
A relevant bachelor’s degree that aligns with one of the specialisations of this course or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent met the prerequisite for your chosen specialisation.

Note: Students may apply to undertake a research project within this degree.

Minimum course duration: 1.5 years full-time comprising 72 points of taught units and 24 points of admission credit.²

Maximum course duration: 2 years full-time comprising 96 points of taught units.²

Career opportunities
This course prepares you with the knowledge and skills you need for a future in the rapidly evolving field of agricultural science. There is a shortage of agricultural science graduates and career opportunities range from the laboratory to the field, from the city to rural areas, as breeders, agronomists, farm managers, market development officers, researchers, catchment or farming group scientists, journalists, bankers and more. Graduates are employed as consultants, managers or researchers, by government agencies, universities, consulting firms, food industries, fertiliser companies, community groups, local/regional governments and international agencies.

Course structure
Core units
- Agribusiness
- Data Management and Analysis in the Natural Sciences

Each specialisation also has four core units, including the multidisciplinary core unit AGRIS545/6/7/8 International Agriculture: Research and Development. Other units are selected as options.

Part time study is available.

¹ Students with a bachelor’s degree or major in an area of study that is related to their specialisations may be granted up to 24 points credit in recognition of prior learning.
² Students requiring more than 72 credit points will receive course advice specifying additional units.
Explore the artistic elements of science in this unique course that brings together the two distinct disciplines of art and science. The course is designed for experienced art practitioners, scientists or humanities scholars to explore creative bioresearch and focuses on recent advances in the life sciences, both in theory and practice. Emphasis is placed on critical thought, ethical and cultural issues and cross-disciplinary experimentation in art and science. You have access to scientific laboratories and take both art and science units that include a major project and dissertation.

**Admission requirements**
To be considered for this course you must have a Bachelor of Science, Bachelor of Arts, or Bachelor of Fine Arts, or an equivalent qualification as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

**Career opportunities**
Completion of this degree can lead to wide and diverse career opportunities in the fields of art, science or social science, especially in positions dealing with issues of policy, communication and commentary, or in education. It offers opportunities for further academic pursuits including higher degree by research for the people who are interested in the holistic view of the effects of the sciences on our society and culture.

**Course structure**

**Core units:**
- Advanced Aesthetic Crossovers of Art and Science
- Advanced Art and Life Manipulation
- SymbioticA Project Preparation
- SymbioticA Project Research
- Biological Art Integration Studies II
- Biological Art Integration Studies I
- Major Project and Dissertation Part 1
- Major Project and Dissertation Part 2
- Major Project and Dissertation Part 3
- Major Project and Dissertation Part 4

Plus two electives chosen in consultation with your course coordinator.

Part time study is available.
Western Australia (WA) is a marine and terrestrial biodiversity hot-spot. Up to 80 per cent of the region’s plants, marine fish and invertebrates are unique to the area. This makes WA the ideal living laboratory for studies in biological science. You’ll gain an understanding of the molecular evolution, structure, physiology, reproduction, behaviour and ecology of organisms, and the skills to apply this knowledge to the management of natural systems and the species they support.

Choose from the following specialisations:
- Marine Biology
- Conservation Biology
- Zoology
- Ecology

**Admission requirements**
To be considered for admission to this course you must have a relevant bachelor’s degree or an equivalent qualification, recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent and met the prerequisite for your chosen specialisation.

Note: Students may apply to undertake a research project within this degree. Minimum course duration: 1.5 years full-time comprising 72 credit points of taught units and 24 points of admission credit. Maximum course duration: Two years full-time comprising 96 points of taught units.

**Career opportunities**
Examples of careers include: Biologist, Botanist, Conservation Biologist, Conservation Officer, Consultant, Ecologist, Environmental Manager, Environmental Scientist, Marine Biologist, Parks Officer, Quarantine Officer, Research Scientist, Research Technician, Rehabilitation Manager, Science Communicator, Wildlife Officer or Zoologist.

**Course structure**

**Core units**
- Ecological Field Methods
- Data Management and Analysis in the Natural Sciences

Each specialisation has four core units in addition to the two units listed above, with other units selected as options.

Part time study is available.

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1. Students with a bachelor’s degree or major in an area of study that is cognate (related) to their specialisations may be granted up to 24 points credit in recognition of prior learning.
2. Students requiring more than 72 credit points will receive course advice specifying additional units.
This course encompasses a range of biological, medical and health-related disciplines that underpin advances crucial to human health and wellbeing. It draws on the disciplines of anatomy, physiology, biochemistry and neuroscience to understand normal human biology (including our evolutionary history), and the para-clinical disciplines of microbiology, pathology and pharmacology to understand and treat human disease.

Biomedical science has increasingly embraced the overarching disciplines of human genetics, epigenetics and genomics to understand how gene-environment interactions define the human phenotype in its normal and diseased states. As such, biomedical science is of direct relevance to everyone; it has a defining influence on our quality of life, the pursuit of healthy living and our capacity to diagnose and treat disease.

Emphasis is placed on cutting-edge research and its translation to healthy living and to clinical settings of diagnosis and treatment of disease. While research training within a specific discipline is available as part of the course (e.g. advanced laboratory skills and their application within an independent research project), this is not obligatory. This means you're able to focus on building your discipline-specific knowledge and an understanding of how this knowledge is applied.

Specialisations:
- Biochemistry and Molecular Biology
- Human Biology
- Neuroscience
- Physiology

Admission requirements
To be considered for admission to this course an applicant must have a Bachelor of Science, Bachelor of Biomedical Science, Bachelor of Medicine and Bachelor of Surgery, Bachelor of Health Science, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; and met the prerequisite for your chosen specialisation.

Note: Students may apply to undertake a research project within this degree. Minimum course duration: 1.5 years full-time comprising 72 credit points of taught units and 24 points of admission credit.

Maximum course duration: Two years full-time comprising 96 points of taught units.

Career opportunities
Graduates will be well positioned to pursue careers in international research laboratories, government agencies as well as the private sector. The course may provide graduates with a pathway to PhD (an alternative to the conventional Honours pathway) depending on their unit selection. Graduates may also progress to professional degrees including medicine, dentistry and pharmacy.

Course structure
Core units:
- Biomedical Science Research in Context—Literature Review
- Global Challenges in Biomedical Science

Each specialisation has different core, elective and conversion units, which will depend on your individual study choices.

Part time study is available.
Unique in Australia, this course offers a thorough grounding in state-of-the-art biotechnology in combination with training in enterprise, commercialisation and intellectual property (IP) protection.

Biotechnology is central to our lives. The use of plants, animals and bacteria, enhanced by areas such as genetics and genomics, gives rise to new food, fibre and chemical production routes, and new strategies for environmental protection and stewardship, all central requirements as the global population increases over the coming decades. You will train in the theory of genetics and molecular biology and receive training in ‘next generation’ practical techniques such as proteomics, metabolomics, and genomics. These core skills will be complemented by bioinformatics practices.

Specialisations:
- Biochemistry and Molecular Biology
- Environmental Biotechnology
- Genetics and Genomics

This course:
- offers up-to-date instruction in biotechnology in combination with training in enterprise and commercialisation
- utilises the expertise of world leading research staff in the Faculty of Science and in the UWA Business School – along with Business ‘Angels’ and mentors in biotechnology spin-outs
- has a unique set of specialisations
- has close working links with industry, both public and private.

Admission requirements
You must have a Bachelor of Science, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of 50 per cent; and met the prerequisite for your chosen specialisation. You must also demonstrate a minimum level of English language requirements.

Career opportunities
The Master of Biotechnology is a cross-disciplinary degree, providing graduates with a unique combination of state-of-the-art science and business skills to meet the global challenges we face. With core training in contemporary biotechnology, a range of career paths are possible, from plant and livestock production linked to food security and feeding the next billion people, environmental diagnostics and clean up to protect our planet, through to research and developing the new tools and technologies the biotechnology arena will use in the future.

Course structure
Core units
- Enterprise and Innovation
- Technology Commercialisation
- Collecting, Analysing and Interpreting Big Data in Biology

Each specialisation has core units in addition to those listed above, with other units selected as options. You may apply to replace the equivalent of half a year’s units with a research project.

Part time study is available.
This master’s course is designed for recent graduates seeking job-ready skills, and professionals looking to advance their management skills from a psychological perspective. It provides extensive training in the application of psychological theories and principles to workplace settings with a view to improving organisational performance and enhancing employee wellbeing.

Psychological skills and training are increasingly sought by employers nationally and internationally. The Australian Government has identified these skills as in high demand according to skill shortages lists, including the Medium and Long-term Strategic Skills list, the Short-term Skilled Occupation List, and the Regional Occupation List.

The course offers training in the following areas: undertaking effective research in organisations; psychological assessment for enhanced personnel selection outcomes; employee training and skill development; implementing organisational change initiatives effectively; improving work design to enhance employee effectiveness, wellbeing, health and safety; applying the principles of human factors to optimise human-system interactions; team development and team work; and effective leadership behaviour.

The course also provides an opportunity to apply your knowledge and skills, under supervision, in an industry placement and/or a group research project.

**Admission requirements**
- A three-year bachelor’s degree a single or double major in psychology, or equivalent. Those with an Honours degree are also welcome to apply and may qualify for advanced standing.
- The equivalent of a UWA Weighted Average Mark (WAM) of at least 60 per cent.
- English language requirements: IELTS (academic) minimum overall score of at least 6.5 with no sub-score less than 6.0. Visit study.uwa.edu.au/elc for more information.

**Career opportunities**
In the workplace, graduates from this course would play a number of critical roles generally associated with employee and organisational performance. You can use your skills to work as an independent consultant, or as an employee in a wide range of jobs in both the public and private sector. These can include management consulting; workforce planning; job analysis and design; recruitment and selection; learning and development; leadership, coaching, mentoring and career development; workplace advice and advocacy; change management; organisational development; measuring employee opinions and other workplace research; performance management; wellbeing; stress and work-life balance; occupational health and safety; human resources program evaluation; and consumer behaviour and marketing.

Future job titles are likely to include, but are not limited to Organisational Development (OD) Manager, OD Consultant, Human Resource (HR) Manager, HR Consultant, Personnel Director, Learning and Development Manager, Trainer, Cognitive Engineer, Business Analyst and other general management roles.

**Course structure**

**Core units (take all 10)**
- Advanced Quantitative Methods in Psychology
- Assessment and Selection
- Organisational Development and Change
- Team Work
- Human Factors
- Professional Skills
- Work Design
- Leadership
- Psychology of Training
- Human and Organisational Factors in Managing Work Health and Safety

Option units (take six, with at least 4 from this group, and a maximum of 2 elective units as approved on a case by case basis by the School)
- MBP Practical Placement
- Organisational Research Project Part 1
- Organisational Research Project Part 2
- Research Methods in Applied Settings
- Employment Relations
- Strategic Workplace Relations
- Diversity and Inclusion
- Introduction to Human Resource Management
- Strategic Human Resource Management
- Business Process Management
- Management and Organisations
- Organisational Behaviour and Leadership
- Professional Business Communications
- Applied Project Management
- Marketing Analysis and Planning
- Marketing Management
- Client Management

Part time study is available.

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**Master of Business Psychology**

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The University of Western Australia Science Subject Area Course Guide

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UWA's Master of Clinical Audiology course is one of only six accredited audiology courses in Australia. Hosted by the University’s world renowned Auditory Laboratory, the course offers you the chance to complete audiology research projects and work with highly trained staff with first-hand experience of the latest developments in hearing science. You’ll have access to the laboratory, which is one of Australia’s leading research institutions in auditory physiology and has established a worldwide reputation for excellence in teaching and research.

Accreditation
The Master of Clinical Audiology is accredited by Audiology Australia, and graduates are eligible for full membership after completion of an Audiology Australia internship program.

Admission requirements
A bachelor’s degree, or equivalent qualification as recognised by UWA and the equivalent of a UWA weighted average mark of at least 65 per cent, taken from the most recent degree of at least one year full-time duration. You must also submit a personal statement as part of the ranking and selection process. You must also obtain a current National Police Certificate, National Criminal History Check or equivalent certification from country of residence, indicating no criminal conviction.

Career opportunities
You could work in a hospital, community health centre, hearing aid and cochlear implant rehabilitation clinic, educational support setting or a private practice as an audiologist.

This course is accredited by Audiology Australia a master’s level audiology program. Students have to pass all the requirements of the course including clinical competencies in order to be eligible for membership. Graduates have acquired the necessary core knowledge and competencies, including clinical competencies, to apply for admission to membership of Audiology Australia and, upon gaining membership, to the Clinical Internship program and subsequently on satisfactory completion of the Internship program to be awarded the Certificate of Clinical Practice (CCP).

Core units
- Audiological Instrumentation
- Basic Clinical Audiology Part 1
- Physiology of the Auditory System
- Pathophysiology of the Auditory and Vestibular Systems
- Basic Clinical Audiology Part 2
- Speech, Language and Communication
- Evoked Responses in Clinical Diagnosis
- Hearing Devices and Adult Aural Rehabilitation
- Advanced Hearing Aids and Rehabilitation Part 1
- Advanced Clinical Audiology Part 2
- Community and Workplace Audiology
- Audiology Practice Management
- Audiology Research Project Part 2
- Advanced Clinical Audiology Part 1
- Audiology Research Project Part 1
- Advanced Hearing Aids and Rehabilitation Part 2

You will also need to attend a minimum of 500 hours of clinical placements to accrue at least 200 hours of hands-on clinical contact time for accreditation.
In the past 20 years, under the guidance of our professional body – Exercise and Sports Science Australia (ESSA), Accredited Exercise Physiologists (AEPs) have become recognised as having the knowledge and expertise to prevent, treat and manage disease or injury with exercise. AEPs are allied health professionals who are recognised by Medicare, Department of Veterans Affairs and other health funds.

The course is designed to provide a holistic understanding of the use of exercise as a modality across multiple health domains including:
- musculoskeletal
- cardiometabolic
- health psychology
- oncology
- workplace rehabilitation
- mental health
- chronic disease and/or injury.

Accreditation
The Master of Clinical Exercise Physiology is a National University Course Accreditation Program (NUCAP) accredited course. Graduates may apply to Exercise and Sports Science Australia (ESSA) within two years of completing the course for credentialing as an Accredited Exercise Physiologist (AEP).

Admission requirements
To be considered for admission to this course you must have:
- a relevant bachelor degree, or equivalent as recognised by UWA; and
- the equivalent of a UWA Weighted Average Mark of at least 60 per cent

Applicants must compete for a place in Semester 1 if they have either a bachelor’s degree that has been accredited by Exercise & Sport Science Australia at the ‘Exercise Science’ level; or an official ESSA “Graduate Entry Assessment” letter that demonstrates equivalence with “Exercise Science” members.

All other applicants must compete for a place in Semester 2, and must have a relevant bachelor’s degree that includes foundation units in anatomy, functional anatomy, human physiology, biomechanics, exercise physiology and research methods/statistics.

Applicants who have not completed an ESSA accredited Exercise Science course must apply to ESSA for a Graduate Entry Assessment within the first semester of study. This will guide the selection of electives.

Applicants presenting with the IELTS Academic require an overall score of at least 7.0 and no band less than 7.0.

Career opportunities
Career opportunities in Clinical Exercise Physiology are diverse and ever expanding. Some of the potential areas of work include:
- Community practice – exercise rehabilitation services with health, injury or sport clinics
- Hospital based exercise services
- Corporate health services including injury management
- Government and policy roles

Course structure
Core subjects
- Advanced Exercise Rehabilitation
- Exercise and Health Psychology
- Cardiac Rehabilitation
- Neurological Rehabilitation
- Workplace Injury Prevention and Management
- Chronic and Complex Conditions 1 and 2
- Musculoskeletal Rehabilitation
- Paediatric Exercise Rehabilitation
- Industry Practicum 1, 2 and 3

Research dissertation pathway (optional):
Students who achieve course requirements in first two semesters of study can apply to complete a research dissertation in their final two semesters to graduate with a Master’s of Coursework/Dissertation.
- Literature Review and Research Proposal
- Sport Science Exercise and Health
- Research Project Part 1, 2 and 3

Conversion units
If you want to transition from other cognate disciplines or non-accredited undergraduate pathways, this course allows for up to four conversion units. The units are selected by the Course Coordinator based on your previous studies. Available for Semester 2 entry only.
This is an appropriate course for those wishing to pursue a career in dental public and primary health. It fosters the development of critical analysis and research competence, along with the advanced set of knowledge and skills in dental public health that is required by the specialist in that field.

Admission requirements
To be considered for admission to this course you must have a Bachelor of Dental Surgery, Doctor of Dental Medicine, or an equivalent qualification that allows dentistry practise, as recognised by UWA; or a Bachelor of Health Science in Dental Health, or an equivalent qualification, as recognised by UWA; or a Graduate Diploma in Dental Public and Primary Health from UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Career opportunities
This degree is designed for professionals interested in further study who are seeking to familiarise themselves with recent developments in the field or to enhance their intellectual and research skills.

Course structure
Core units:
- Principles of Dental Public Health
- Oral Health Care Provision
- Oral Health Promotion
- Management and Financing of Oral Health Services
- Research Methods in Dental Public and Primary Health
- Dental Epidemiology
- Epidemiology I
- Health Systems and Economics

Plus one of the following:
- Dissertation (full-time)
- Dissertation (part-time)

Part time study is available.
UWA is ranked 1st in Australia and 18th in the world for Environmental Science and Engineering (ARWU 2018).

The scope and scale of pressures on our environment requires interdisciplinary and innovative solutions to support sustainable development.

Our teaching and research focuses on developing advanced knowledge of how the natural environment responds to human impacts, including air, water, terrestrial and marine ecosystems, and developing unique approaches to improve environmental quality.

You will gain in-depth knowledge of ecological, physical and chemical processes at various temporal and spatial scales and gain experience in risk-based decision making to mitigate human impacts on the environment.

This master’s course will develop your practical experience in management and rehabilitation techniques relating to landscapes including river catchments, agricultural regions, mining sites, coastal environments and urban areas, working alongside global leaders in research.

You will gain advanced skills and knowledge in the monitoring and assessment of environmental systems using field, laboratory, modelling and statistical methods and techniques. You will become an innovative thinker who can critically assess advanced research in your discipline and integrate this into practical solutions for managing the environment.

Specialisations
Choose from the following specialisations:
• Environmental Management
• Marine and Coastal
• Catchments and Water
• Environmental Rehabilitation
• Sensing and Environmental Data

Admission requirements
To be considered for admission to this course an applicant must have a bachelor’s degree, or equivalent as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; and met the prerequisite for your chosen specialisation.

Career opportunities
Environmental Science graduates may find employment in a range of areas including federal and state departments and agencies responsible for the environment, water, conservation, agriculture and food, and primary industries. Other employers are private sector firms working in the resources sector and non-government organisations. One of the fastest growing areas of demand within the environmental sciences is for professionals with expertise in Geographical Information Science and how this can be applied to environmental management.

With 14,000 job openings expected in the next 5 years in Australia¹, a Master of Environmental Science will have you career ready.

Course structure
Core units for all specialisations:
• Fundamentals of Environmental Management
• Research Methods in Environmental Science

For students in coursework only:
• Professional Skills in Environmental Science
• Environmental Science in Practice

For students in coursework and dissertation:
• Research Project in Environmental Science Parts 1, 2, 3 and 4

Each specialisation has core units in addition to those listed above, with other units selected as options.

Part time study is available.

¹ joboutlook.gov.au
The Sport and Exercise Science specialisation is aimed at professionals wishing to undertake advanced study or research majoring in one of the sub-discipline areas within exercise science.

Choose from the following specialisations:
- Sport and Exercise Science
- Sport and Recreation Management

There is a choice of postgraduate units within biomechanics; motor control and development; exercise physiology and biochemistry; health behaviour and performance psychology and exercise rehabilitation.

The Sport and Recreation Management specialisation includes core and elective units from both the UWA Business School and Faculty of Science. This specialisation focuses on developing knowledge and skills in the area of management and marketing within the sport and recreation industry. It is designed for professionals interested in further study who are seeking to familiarise themselves with recent developments in the field, or to enhance their intellectual and research skills.

Admission requirements
A bachelor’s degree, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA weighted average mark of at least 50 per cent; and completed prior studies at a tertiary level in either sport science, exercise science, human movement, physical education, physical therapy, or medicine; or a related cognate discipline, as recognised by UWA.

Minimum course duration: 1.5 years full-time comprising 72 credit points of taught units and 24 points of admission credit.

Maximum course duration: Two years full-time comprising 96 points of taught units.

Career opportunities
This degree is designed for professionals interested in further study who are seeking to familiarise themselves with recent developments in the field, or to enhance their intellectual and research skills.

Course structure
Choose four conversion units:
- Exercise Prescription and Nutrition for Health and Fitness
- Lifespan Motor Development
- Biomechanical Principles
- Sport Physiology
- Bioenergetics in Exercise, Nutrition and Energy Balance
- Psychology of Sport
- Coaching Psychology
- Motor Development and Dysfunction

Core units:
- Science Practicum
- Fundamentals in Research Methods
- Fundamentals of Data Analysis in Sport Science, Exercise and Health

Coursework and dissertation students take:
- Literature Review and Research Proposal
- Sport Science Exercise and Health Research Project Part 1
- Sport Science Exercise and Health Research Project Part 2
- Sport Science Exercise and Health Research Project Part 3

Each specialisation has different core, elective and conversion units, which will depend on your individual study choices.

Part time study is available.

1 Students with a bachelor’s degree or major in an area of study that is cognate (related) to their specialisations may be granted up to 24 points credit in recognition of prior learning.
2 Students requiring more than 72 credit points will receive course advice specifying additional units.
Master of Exercise Science (thesis and coursework)

This course enables advanced study or research majoring in one of the sub-discipline areas within exercise science with particular emphasis on movement science, biomechanics, exercise physiology, motor learning, pedagogy, health and sport psychology. A range of units are offered to accommodate students from differing backgrounds while also permitting specialisation in the above sub-disciplinary areas within the field of exercise science. Research comprises over 66 per cent of the course.

Admission requirements
To be considered for admission to this course you must have a Bachelor of Science (Honours) with first class or upper second class honours in Sport Science, Exercise Science, or Exercise and Health, or an equivalent qualification, as recognised by UWA; and have secured a supervisor and research topic in the area of study.

Career opportunities
This degree is designed for professionals interested in further study who are seeking to familiarise themselves with recent developments in the field, or to enhance their intellectual and research skills.

Course structure
Core units:
- Fundamentals in Research Methods
- Fundamentals of Data Analysis in Sport Science, Exercise and Health
- Sport Science, Exercise and Health Thesis Part 1
- Sport Science, Exercise and Health Thesis Part 2
- Sport Science, Exercise and Health Thesis Part 3

Part time study is available.
Geoscience focuses on all aspects of Earth materials, history and evolution including geology, geophysics, geochemistry and geo-biology. This course provides advanced study in a wide variety of topics to enable you to develop advanced geoscience skills and understanding. As the majority of Australia’s mineral and petroleum resources are found in Western Australia, UWA is in a prime location for students to strengthen their geoscientific knowledge and skills in gathering and interpreting geological information for a wide range of application.

Admission requirements
To be considered for admission to this course you must have a Bachelor of Science in Geology, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Career opportunities
Employment opportunities are in the resources industries (minerals, geothermal, and groundwater) or research fields such as planetary geology, volcano or earthquake hazard prediction.

Upon completion of this degree, you can work as a geologist, hydrogeologist, geological surveyor, research scientist or work as part of a multi-discipline environmental team for rehabilitation work. You could also work in the fields of Policy and Natural Resource Management. Other career options include economic geologist or physical geographer.

Additional employment opportunities exist in government agencies dealing with resources or environmental companies and agencies. Many graduates continue to develop their specialist skills in industry or government agencies around the world, while others join academic institutions.

Course structure
Core units:
- Geographic Information Systems Applications
- Australia’s Geological Evolution
- Mineralising Systems
- Petroleum Systems
- Structural Geology for Exploration
- Multiscale Tectonic Systems
- The Conduct, Ethics and Communication of Science

Students in coursework and dissertation must take:
- Masters Research Project in Geoscience Part 1
- Masters Research Project in Geoscience Part 2
- Masters Research Project in Geoscience Part 3
- Masters Research Project in Geoscience Part 4

For students taking coursework only, take nine of the following. For students taking coursework and dissertation, take five of the following:
- Remote Sensing of the Environment
- Advanced Spatial Analytics
- Advanced Geographic Information Systems for Environmental Management
- Near-Surface and Environmental Geophysics
- Basin Analysis Techniques
- Biostratigraphy
- Advanced Petroleum Geoscience
- Structural Analysis for Petroleum Geoscience
- Analytical Techniques for the Geosciences
- Isotope Geochemistry
- Sedimentary Basin Field Excursion
- Applied Palynology
- Geoscience Internship
- Applied Structural Geology
- Exploration Targeting
- Ore Deposit Field Excursion
- Advanced Ore Deposits
- Data Analysis for Geoscience
- Data Use in Science

Part time study is available.
This course encompasses a range of biomedical and health disciplines that underpin advances crucial to human health and wellbeing. These are complemented by a public health focus which draws out the relevance of the science disciplines to the health industry (i.e. health promotion, research, policy and administration). Links between each science discipline, public health and the health industry are further enhanced by a practicum experience within a health-related enterprise. Graduates will be well positioned to pursue careers in the health industry, with opportunities in health promotion, administration and program implementation.

Choose from the following specialisations:
- Exercise and Health
- Human Biology
- Neuroscience
- Physiology

### Admission requirements
A Bachelor of Science, Bachelor of Biomedical Science, Bachelor of Medicine and Bachelor of Surgery, Bachelor of Health Science, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; and have met the prerequisite for your chosen specialisation.

Note: Minimum course duration: 1.5 years fulltime comprising 72 credit points of taught units and 24 points of admission credit.\(^1\)

Maximum course duration: Two years full-time comprising 96 points of taught units.\(^2\)

### Course structure
**Core units:**
- Biostatistics I
- Epidemiology I
- Health Science Industry Practicum I
- Health Science Industry Practicum II

**Plus two from the following:**
- Foundations of Public Health
- Health Systems and Economics
- Health Promotion I
- Qualitative Research Methods in Health

Each specialisation has core units in addition to those listed above, with other units selected as options.

Part time study is available.

### Career opportunities
Graduates will be well positioned to pursue careers in the health industry, with opportunities in health promotion, administration and delivery both domestically and internationally. Potentially, graduates could also progress to professional degrees including medicine, dentistry and pharmacy.

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\(^1\) Students with a bachelor’s degree or major in an area of study related to their specialisations may be granted up to 24 points credit in recognition of prior learning.

\(^2\) Students requiring more than 72 credit points will receive course advice specifying additional units.
Hydrogeology investigates the chemical, physical and biological processes that operate in groundwater systems. This course will develop your understanding of these complex and dynamic processes and impacts of human activity and environmental change on groundwater systems.

You will also gain advanced skills and knowledge in the assessment of hydrogeological systems, using field, laboratory, modelling and statistical methodologies. You’ll advance your knowledge to manage and rehabilitate hydrogeological systems in natural and agricultural catchments, mine sites, groundwater reserves and contaminated sites.

Admission requirements
A Bachelor of Science, Bachelor of Engineering, or an equivalent qualification, specialising in either geology, environmental engineering, environmental science (including units in hydrology or equivalent), or hydrogeology; or in a related cognate discipline, as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Note: Students may apply to undertake a research project within this degree upon completion of additional requirements.

Minimum course duration: 1.5 years full-time comprising 72 credit points of taught units and 24 points of admission credit.¹

Maximum course duration: Two years full-time comprising 96 points of taught units.²

Career opportunities
The Master of Hydrogeology has been developed in close collaboration with all relevant industries to ensure our graduates meet industry employers’ requirements. Many guest lecturers from industry contribute to the course so you are learning not only from industry experienced academics but industry leaders also. Employment opportunities include the resources industries (minerals, hydrocarbons, and construction) but also exist in government agencies dealing with resources or environmental companies and agencies. Many graduates continue to develop their specialist skills in industry or government agencies around the world, while others join academic institutions.

Course structure
Conversion units (depending on your background, you might be required to complete two of the following):
- Introduction to Basin Analysis
- Fundamentals of Sedimentology
- Data Use in Science
- The Conduct, Ethics and Communication of Science
- Advanced Land Use and Management
- Geographic Information Systems Applications
- Hydrogeological Systems
- Catchment Fundamentals
- Groundwater Flow Modelling
- Groundwater Hydrochemistry

Core units:
- Masters Research Project in Hydrogeology Part 1, 2, 3 and 4

For students taking coursework only, take six of the following. For students taking coursework and dissertation, take two of the following:
- Catchment and River Processes
- Remote Sensing of the Environment
- Remediation of Soils and Groundwater
- Advanced Spatial Analytics
- Soil Dynamics
- Advanced Geographic Information Systems for Environmental Management
- Ecosystem Biogeochemistry
- Near-surface and Environmental Geophysics
- Australia’s Geological Evolution
- Basin Analysis Techniques
- Hydrogeology Field Excursion
- Hydrogeology Industry Placement
- Mining Hydrogeology
- Data Management and Analysis in the Natural Sciences

¹ Students with a bachelor’s degree or major in an area of study related to their specialisations may be granted up to 24 points credit in recognition of prior learning.
² Students requiring more than 72 credit points will receive course advice specifying additional units.
Industrial and Organisational Psychology is a specialist area that applies psychological knowledge and skills to workplaces with the aim of improving organisational effectiveness and the quality of work life. You will develop expert, specialised skills in industrial and organisational psychology. You’ll learn to review, analyse, consolidate and synthesise knowledge and provide solutions to complex problems. Specialised technical knowledge and skills will be obtained through coursework and practicum components of the course. You’ll complete the course with highly developed skills in assessment; treatment and intervention; and research, with an emphasis on an evidence-based framework. The skills developed are in line with the essential core capabilities and attributes required by the Australian Psychology Accreditation Council (APAC) and the Australian Psychological Society’s (APS) College of Organisational Psychologists for postgraduate professional courses.

Accreditation
The Master of Industrial and Organisation Psychology has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) and graduates are eligible to register with the Psychology Board of Australia and practise as a psychologist within an area of practice endorsement in industrial and organisational psychology.

Admission requirements
To be considered for admission to this course you must have an accredited bachelor’s honours degree in psychology with an upper second class Honours (2A), or an equivalent qualification as recognised by UWA.

You must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, which includes meeting the Board’s English language registration standard.

Where relevant, admission will be awarded to the highest ranked applicants or applicants selected based on a satisfactory personal statement, as recognised by UWA; and two satisfactory referees, as recognised by UWA; and a curriculum vitae summarising relevant occupational and practical experience, as recognised by UWA; and an interview in which eligible applicants will be assessed based on the personal qualities considered desirable in psychology; and the intake quota for that year.

Career opportunities
This course is designed to lead graduates to professional registration with the specialist title of organisational psychologist. Possible career outcomes include psychologist, workplace relations adviser and human resource professional, among others.

Course structure
Core units:
- Research Methods in Applied Settings
- MIOP Practical Placement 3
- Human Factors
- MIOP Practical Placement 1 Part 1
- MIOP Practical Placement 1 Part 2
- Psychology of Training
- Psychology Dissertation Part 1
- Psychology Dissertation Part 2
- Assessment and Selection for Psychologists
- Organisational Change for Psychologists
- Psychology-based Approaches in Managing Work Health and Safety
- MIOP Practical Placement 2

Plus two units from the UWA Business School approved by the course coordinator or the Head of the School of Psychology.

Part time study is available.
The Master of International Development engages you with the contemporary challenges of addressing poverty and inequality globally through an emphasis on empirical evidence, real-world case studies, and debates. You develop the knowledge and skills to approach practical and policy challenges in a wide range of contexts by drawing on expertise from development geographers, political scientists, resource economists and development practitioners.

Choose from the following specialisations:
- Economics of Development
- Development in Practice
- Politics of Development

Admission requirements
To be considered for admission to this course you must have a bachelor degree, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 65 per cent; and either have met the prerequisite for the chosen specialisation; or have at least two years of relevant professional experience related to international development.

You must also satisfy the University’s English language competence requirement as set out in the University Policy on Admission: Coursework.

Career opportunities
You’ll be well positioned to pursue a career with aid agencies, government, non-government organisations, and international research institutions, such as the FAO and United Nations.

Course structure
Core units:
- Development Practice
- Global Development Debates

Each specialisation has core units in addition to those listed above, with other units selected as options.

Part time study is available.
This course provides a high-quality, advanced education in the geology and evaluation of ore deposits. It is designed for geologists with different levels of professional experience and offers a world-class education from international and Australian experts. It provides an opportunity to improve geological, computing, exploration and management skills; and includes hands-on practical experience, field excursions and research.

You'll gain knowledge of geological, geophysical and geochemical methods as applied to understanding key processes and factors controlling the formation of ore deposits. You'll also learn the key methods used in professional practice to improve geological, computing, exploration and management skills.

**Admission requirements**
To be considered for admission to this course an applicant must have a relevant bachelor’s degree with honours, or an equivalent qualification, as recognised by UWA; or a relevant bachelor’s degree, or an equivalent qualification, as recognised by UWA; and a relevant graduate diploma, or an equivalent qualification, as recognised by UWA; and at least three years of full-time relevant professional experience in geotechnical engineering, exploration geology or geology resource.

**Career opportunities**
This degree is designed for geoscientists aspiring to work or already working in the minerals industry who are seeking to learn about recent developments in mineral geoscience and to enhance their practical skills. Employment opportunities for graduates of this degree may also be found with resources companies, consulting companies, and state and federal government agencies. Completion of a research project in the Master’s course is a pathway to higher study and careers in academic and geoscientific research organisations.

**Course structure**
Two units from the following:
- Multiscale Tectonic Systems
- Analytical Techniques for the Geosciences
- Isotope Geochemistry
- Applied Structural Geology
- Exploration Targeting
- Ore Deposit Field Excursion
- Advanced Ore Deposits
- Data Analysis for Geoscience

Plus six from the above and following:
- Volcanology and Mineralisation in Volcanic Terrains
- Ore Deposit Models and Exploration Strategies
- Ore Deposit Geochemistry, Hydrology and Geochronology
- Ores in Magmatic Arcs
- Exploration in Brownfield Terrains
- Business and Financial Management in the Minerals Industry
- Advanced Field Training
- Advanced Techniques in Mining and Exploration Geology
- Natural Resources Economics
- Resource Cost and Capital 602
- Resource Sector Finance
- Mineral Finance and Project Evaluation 601
This course will enable you to develop skills in geological and geophysical data analysis and integration of datasets related to sedimentary basin analysis and petroleum geoscience.

You’ll have the opportunity to access industry datasets and tools, and use latest digital technology to develop advanced skills in the analysis of geoscientific data. This course will provide you with the knowledge and skills to solve real-world problems in the field of petroleum geoscience.

The course is taught by leading researchers in the field and access to the world-class research facilities of the School of Earth Sciences and UWA’s Centre for Energy Geoscience, including industry-grade computer workstations, interpretation software and 3D-imaging facilities. You’ll also benefit from Perth’s location with guest lectures from industry scientists, access to company datasets, and workshops at the Geological Survey of Western Australia Core Library.

You will develop the skills that are highly relevant to exploration of sedimentary basins for oil and gas and other basin-hosted resources. Emphasis is placed on the development of practical skills, the ability to work in team, and the integration of multiple datasets to solve Earth Science problems.

### Admission requirements
A Bachelor of Science in Geology, or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA weighted average mark of at least 50 per cent.

### Career opportunities
The Master of Petroleum Geoscience is ideal if you wish to pursue a career in the oil and gas industry. Geoscience graduates have diverse employment options including working as geoscientists within private industry, consultancy/service companies, or federal or state government agencies responsible for onshore and offshore resources.

Completion of a research project in the Master’s course is a pathway to higher study and careers in research in academic institutions and state and federal government agencies.

### Course structure
**Core units:**
- Near-Surface and Environmental Geophysics
- Australia’s Geological Evolution
- Petroleum Systems
- Basin Analysis Techniques
- Biostratigraphy
- Advanced Petroleum Geoscience
- Structural Analysis for Petroleum Geoscience
- Sedimentary Basin Field Excursion
- The Conduct, Ethics and Communication of Science

### Students in coursework and dissertation must take:
- Masters Research Project in Geoscience Part 1
- Masters Research Project in Geoscience Part 2
- Masters Research Project in Geoscience Part 3
- Masters Research Project in Geoscience Part 4

### Students in coursework only must take seven elective units from the following: Students in coursework and dissertation must take three elective units from the following:
- Climate, Energy and Water Economics
- Coastal and Estuarine Processes
- Remote Sensing of the Environment
- Geographic Information Systems Applications
- Advanced Spatial Analytics
- Advanced Geographic Information Systems for Environmental Management
- Environmental Geoscience
- Multiscale Tectonic Systems
- Analytical Techniques for the Geosciences
- Applied Palynology
- Geoscience Internship

Part time study is available.
The Master of Science (thesis and coursework) is a research degree where you select one of the following discipline areas; Agriculture and Environment, Biological Sciences, Earth Sciences, Human Sciences, Molecular Sciences and Psychological Science.

You will gain advanced knowledge in your chosen area of study, through independent research and coursework units that include a literature review/proposal unit and an advanced coursework unit.

**Admission requirements**
A Bachelor of Science (Honours) with first class or upper second class honours, or an equivalent qualification, as recognised by UWA and secured a supervisor and research topic in the area of study.

**Career opportunities**
This degree is designed for professionals interested in further study, who are seeking to familiarise themselves with recent developments in the field or to enhance their intellectual and research skills.

**Course structure**
- MSc Research Proposal
- Master of Science Thesis (full-time)
- Master of Science Thesis (part-time)

Part time study is available.
You’ll learn principles of effective science communication, develop practical skills necessary for effective science communication, and design strategies that address communication needs of groups such as government organisations, informal museums, science centres and research centres. You will gain an understanding of the theory underlying the discipline and be able to apply your knowledge to a research project.

Admission requirements
A Bachelor of Science; or a bachelor’s degree with a major in Communication and Media Studies; or an equivalent qualification, as recognised by UWA; and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Career opportunities
Our graduates work in communication and engagement roles for museums, zoos, government, universities, media, charities, research groups, resource management, and public health.

Course structure
Conversion units (depending on your background, you might be required to complete the following):
- Science Presentations
- Science Writing
- Exhibitions and Interpretation
- Science and the Media

Core units:
- Science Practicum
- Science Communication Literature Review
- Contemporary Issues in Science Communication
- Peer Review
- Research Design
- Evaluation

Students in coursework and dissertation must take the following units:
- Science Communication Dissertation Part 1
- Science Communication Dissertation Part 2
- Science Communication Dissertation Part 3
- Science Communication Dissertation Part 4

Students in coursework only must take six elective units from the following. Students in coursework and dissertation must take two elective units from the following:
- Advanced Aesthetic Crossovers of Art and Science
- Advanced Art and Life Manipulation
- Communication Strategies for Change
- Issues in Contemporary Global Journalism
- Strategic Communications in a Digital Era
- Digital Media: Theory and Practice
- Communication, Innovation and Project Management
- Global Media and Cross-cultural Communication
- Representation and Promotion
- Understanding and Managing Disruptive Behaviour Disorders
- Approaches to Student Assessment
- Integrating Pedagogy and Technology
- Approaches to Research
- Quantitative Inquiry
- Qualitative Inquiry
- Education Policy Trends: Global to Local
- Conservation, Development and Sustainability
- Debates in Contemporary Heritage Studies
- Buyer Behaviour and Decision Making
- Technology Commercialisation
- Health Promotion I
- Health Promotion II
- Qualitative Research Methods in Health
- The Conduct, Ethics and Communication of Science
- Good, Bogus and Corrupted Science
- Social Research Ethics
- Innovative Social Research Methods
- NGOs, Governance and Development
- Health Education
- Health Promotion in the Schools
- Fundamentals in Research Methods

Part time study is available.
Urban and regional planners are responsible for ensuring that cities, towns and regions have vibrant economies and communities, provide for a high quality of life, and are environmentally sustainable. To achieve this, planners need a good understanding of the way in which societies, economies and environments operate and interact. This course develops students’ knowledge of concepts and methods, in urban and regional planning and their ability to apply research skills to planning issues.

Admission requirements
A bachelor’s degree, or an equivalent qualification, as recognised by UWA and the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Career opportunities
Planners are employed by local governments, state governments (such as the Department of Planning and the Department of State Development) and in private practice with planning consultancies and property developers. They work across a diverse range of areas, including: regional development, environmental management, urban design, public administration, public policy, social research, teaching, land development, and social planning and community development.

Graduates of this course are also employable internationally, helping to solve social, economic and environmental problems in other parts of the world.

Course structure
Core units:
- Geographic Information Systems Applications
- Planning Theory and Practice
- Planning Law
- Statutory Planning
- Planning and Governance
- Principles of Urban and Regional Economics
- Urban and Regional Analysis
- Regional Planning

Students in coursework and dissertation must take:
- Master’s Research Project in Geography, Environment and Planning Part 1
- Master’s Research Project in Geography, Environment and Planning Part 2
- Master’s Research Project in Geography, Environment and Planning Part 3
- Master’s Research Project in Geography, Environment and Planning Part 4

Students in coursework only must take four from the following:
- Environmental Planning and Management
- Marine and Coastal Planning and Management
- Population, Migration and Development
- Resource Extraction and Regional Development
- Place-based and Participatory Development
- Geography and Planning Practicum
- Advanced Studies in Geography and Planning
- Climate Change Policy and Planning
- Contemporary Urbanism
- The Forces that Shape Cities
- Remote Sensing of the Environment
- GIS and the Built Environment
- Advanced Spatial Analytics
- Advanced Geographic Information Systems for Environmental Management
- Geography and Planning Practicum

Part time study is available.
In addition to professional courses, we also offer a range of other postgraduate courses in science and other areas. These courses provide training and research opportunities in a range of scientific and clinical disciplines to significantly benefit Australian and international communities.

Coursework degrees
Our postgraduate coursework degrees help you develop a thorough understanding of an area of study, diversify your educational background or obtain specific vocational learning.

Coursework degrees include:
• Graduate certificates
• Graduate diplomas
• Master's degrees by coursework
• Master's degrees by coursework and dissertation

Benefits of undertaking a coursework degree:
• Gain specialised knowledge for further professional development and career progression.
• Learn from and work with the best in the country, including researchers of international standing and multiple award-winners.

Explore our range of postgraduate courses: study.uwa.edu.au/postgraduate

Research degrees
These involve a project of supervised but independent enquiry at an advanced level, resulting in the submission of a research thesis (or equivalent), which is examined by experts in the field.

Research degrees include:
• Professional doctorates
• Master’s degrees by thesis and coursework
• Master’s degrees by research
• Master of Philosophy (MPhil)
• Doctor of Philosophy (PhD)

Benefits of undertaking a graduate research degree:
• The continued challenge and enjoyment of independent research is personally rewarding.
• As a research student, you will benefit from the knowledge and expertise of our world-class staff, with networking opportunities that can lead to career possibilities around the world.
• Graduates experience a high rate of success in employment because the transferable skills required for success in their research degree are the same skills in high demand by employers.
• Gaining a research degree indicates to a prospective employer you have excellent project and personal management skills and shows you can think independently and critically, solve problems and communicate effectively.
Graduate Certificate in Adult Sleep Science

**study.uwa.edu.au/gc/adult-sleepscience**

**UWA course code:** 70230

**Duration:** 0.5 years

**Intake period:** February, July

**Mode of study:** coursework

**Fee type:** postgraduate fee-paying

**COURSE DESCRIPTION**

This course provides you with an understanding of sleep and circadian biology, and the skills to use sophisticated equipment and instrumentation in order to perform laboratory-based and portable sleep studies, as well as apply different protocols to sleep monitoring and perform basic scoring and analysis of sleep studies. Online and laboratory-based units are used to synthesise knowledge and ensure translation of this knowledge into practical competencies. You will gain knowledge in history of sleep and its fundamental neurobiology and physiology.

You will be able to perform a laboratory-based sleep study including patient set-up, monitoring and analysis. Graduates will also be able to apply appropriate common therapies for obstructive sleep apnoea and will be able to provide to the patient population appropriate education regarding the pathogenesis and treatment of obstructive sleep apnoea.

You will be expected to be in Perth for two weeks (June/July) to undertake the intensive practical component of the course.

**Requirements**

**(1) To be considered for admission to this course you must have:**

(a) a Bachelor of Science, Bachelor of Biomedical Science, Bachelor of Medicine and Bachelor of Surgery, or an equivalent qualification, as recognised by UWA; and

(b) the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; and

(c) successfully completed prior studies at a tertiary level in either anatomy and human biology, biomedical science, medicine, or health science; or in a related cognate discipline, as recognised by UWA.

**(2) You must have a current National Police Certificate of no more than 12 months old, or equivalent certification, indicating no criminal conviction.**

**(3) Applicants with at least eight years of relevant documented professional experience with demonstrated competencies in a health-related field, as assessed by UWA, may be admitted.**

**Accreditation**

The Graduate Certificate in Adult Sleep Science is recognised by the Board of Registered Polysomnographic Technologists (BRPT). Completion of this course meets the requirements of one of the components in establishing eligibility to sit a Registered Polysomnographic Technologist (RPGST) examination.

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Graduate Certificate in Autism Diagnosis

**study.uwa.edu.au/gc/autism-diagnosis**

**UWA course code:** 70230

**Duration:** 0.5 years

**Intake period:** February

**Mode of study:** coursework

**Fee type:** postgraduate fee-paying

**COURSE DESCRIPTION**

This course provides graduates trained in psychology, speech pathology, occupational therapy, paediatrics or psychiatry with the specialist knowledge and clinical skills required to participate in team-based diagnoses of Autism Spectrum Disorder (ASD).

Two coursework units will provide in-depth knowledge of ASD concerning characteristics across the lifespan, common comorbidities, current theoretical accounts and issues, DSM and ICD diagnostic criteria, differential diagnosis, assessment tools and multidisciplinary team assessment. One practical unit will provide training in the Autism Diagnostic Observation Schedule and another will provide graded placement experiences leading up to the trainee conducting a discipline-specific component of a diagnostic assessment.

**Requirements**

**(1) To be considered for admission to this course an applicant must have:**

(a) a bachelor’s degree in speech pathology, medicine, or an equivalent qualification, as recognised by UWA; or

(b) an accredited bachelor’s honours degree in psychology, or an equivalent qualification, as recognised by UWA; and

(c) evidence of having at least three months of full-time equivalent experience working directly with children or adolescents, as recognised by UWA; and

(d) two satisfactory references, as recognised by UWA; and

(e) a curriculum vitae summarising relevant occupational and practical experience, as recognised by UWA.

**(2) Invitation to attend an interview will be based on assessment of (1) (a), (b), (c), (d), and (e), in alignment with the interview quota for the year.**

**(3) Eligible applicants who are interviewed will be assessed based on the personal qualities considered desirable by the selection panel.**

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Graduate Diploma in Clinical Neuropsychology

**study.uwa.edu.au/gd/clinical-neuropsychology**

**UWA course code:** 70290

**Duration:** 1 year

**Intake period:** February

**Mode of study:** coursework

**Fee type:** postgraduate fee-paying

**COURSE DESCRIPTION**

This course serves as a bridging degree to allow individuals who are qualified as clinical psychologists with the Psychology Board of Australia (PsyBA) and who have completed at least a master’s degree or equivalent in clinical psychology to upskill in clinical neuropsychology. This allows them eligibility for endorsement as a clinical neuropsychologist with the Australian Health Practitioner Regulation Board (AHPRA). The part-time nature of this diploma will suit most applicants as, for the most part, they will be working as practising psychologists. However, depending on the units applicants have already taken, it may be possible to complete within one year.

**Requirements**

To be considered for admission to this course, you must have:

(1) an accredited Master of Clinical Psychology or an accredited Doctor of Psychology (Clinical Psychology), or an equivalent qualification, as recognised by UWA. You must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, which includes meeting the Board’s English language registration standard.
Graduate Diploma in Clinical Psychology

study.uwa.edu.au/gd/clinical-psychology

UWA course code: 53370
Duration: 1 year
Intake period: February
Mode of study: coursework
Fee type: postgraduate fee-paying

COURSE DESCRIPTION
If you’re looking to upskill in clinical psychology and you’ve completed a master’s degree or equivalent in clinical neuropsychology and are qualified with the Psychology Board of Australia, this bridging course allows you to do that. You’ll be eligible for endorsement as a clinical psychologist with the Psychology Board of Australia and the Australian Health Practitioner Regulation Board (AHPRB).

The diploma will provide you with advanced and broader knowledge in the area of clinical psychology assessment and intervention.

Requirements
1. To be considered for admission to this course you must have —
   (a) an accredited Master of Clinical Neuropsychology, or an accredited Doctor of Psychology (Clinical Neuropsychology), or an equivalent qualification, as recognised by UWA; and
   (b) a satisfactory personal statement, as recognised by UWA; and
   (c) two satisfactory referees, as recognised by UWA; and
   (d) a curriculum vitae summarising relevant occupational and practical experience, as recognised by UWA.
2. You must be eligible for provisional registration as a psychologist with the Psychology Board of Australia, which includes meeting the Board’s English language registration standard.
3. Invitation to attend an interview will be based on assessment of (1) (a) (b), (c), and (d), in alignment with the interview quota for the year.
4. Eligible applicants who are interviewed will be assessed based on the personal qualities considered desirable in psychology practitioners.
5. Admission will be awarded to the highest ranked applicants under (1) and (4) who fall within the intake quota for that year.

Accreditation
The Graduate Diploma in Clinical Psychology has been awarded Conditional Accreditation by the Australian Psychology Accreditation Council (APAC) to provide an additional area of practice endorsement in Clinical Psychology for registered psychologists.

Graduate Diploma in Dental Public and Primary Health

study.uwa.edu.au/gd/dentalpublic-primary-health

UWA course code: 80330
Duration: 1 year
Intake period: February, July
Mode of study: coursework
Fee type: postgraduate fee-paying

COURSE DESCRIPTION
This course is an appropriate program for those who wish to undertake an advanced study in dental public and primary health but who do not intend to pursue a specialist career in dental public health.

Requirements
1. To be considered for admission to this course an applicant must have:
   (a) (i) a Bachelor of Dental Surgery, Doctor of Dental Medicine, or an equivalent qualification that allows dentistry practice, as recognised by UWA; and
   (ii) the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; or
   (b) (i) a Bachelor of Health Science in Dental Health, or an equivalent qualification, as recognised by UWA; and
   (ii) the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent.

Graduate Diploma in Dental Sleep Medicine

study.uwa.edu.au/gd/dental-sleep-medicine

UWA course code: 82340
Duration: 1 year
Intake period: Online, February (full-time), July (part-time)
Mode of study: coursework
Fee type: postgraduate fee-paying

COURSE DESCRIPTION
This course is specifically aimed at providing dental practitioners with formal training in sleep medicine to complement clinical training in the use of oral devices in the treatment of sleep apnoea. In addition to theoretical knowledge, you will assess and report the progress of actual cases.

Although this course is completely online, you are assumed to have access to a sleep laboratory or clinic near your home or practice, where you can develop a relationship with a local respiratory physician or dedicated sleep physician who can act as a mentor as well as facilitate sleep laboratory visits. The usual mode of study is part-time to enable you to continue with your clinical practice while studying.

You will complete eight units involving both the study of sleep and the treatment of sleep disorders.

Requirements
(a) a Bachelor of Science, Bachelor of Biomedical Science, Bachelor of Medicine and Bachelor of Surgery, or an equivalent qualification, as recognised by UWA; and
(b) the equivalent of a UWA Weighted Average Mark (WAM) of at least 50 per cent; and
(c) successfully completed prior studies at a tertiary level in either anatomy and human biology, biomedical science, medicine, or health science; or in a related cognate discipline, as recognised by UWA.

You must have a current National Police Certificate of no more than 12 months old, or equivalent certification, indicating no criminal conviction.
How to apply for a postgraduate course

Applicants are expected to have completed an undergraduate degree at an approved university and undertaken adequate preparation for the degree they are applying for.

1. **Apply online**
   Submit an online application at study.uwa.edu.au/apply that includes all necessary documentation specified in the admission requirements of your course. For admission requirements and application dates, visit study.uwa.edu.au/how-to-apply.

2. **Accept your offer**
   If successful, and you receive an offer for postgraduate study at UWA, you can respond by following the instructions on your offer letter.

3. **Start your UWA postgrad journey**
   Unistart is your official guide to starting postgraduate study at UWA. Follow the steps at unistart.uwa.edu.au/postgrad to plan for pre-enrolment, enrolment and orientation.
1 Contact your Higher Degree by Research support team in the relevant faculty

**Faculty of Science**
For assistance in finding a supervisor and for science-related research inquiries, email **hdr-enquiry-science@uwa.edu.au**

Read the profiles of our Research Leaders who may be potential supervisors at **research.uwa.edu.au/fellows**

**Prepare your research proposal:** Prepare a brief outline (maximum 250 words) of your proposed area of study to discuss with a prospective supervisor.

**Discuss your resources:** Find out what resources are available to you as a postgraduate research student, as these vary depending on the school you enrol in.

**Be informed:** There is useful information online for future research students, including how to prepare a research proposal. **study.uwa.edu.au/research/becoming-a-research-student**

2 Submit your application

Submit an application to the respective HDR support team in your faculty. This should include:

- A completed research application form available at **study.uwa.edu.au/apply**
- All certified documents as listed on the application form
- A research proposal

Successful applicants will be sent an offer package electronically, including a letter of offer/authority to enrol, and acceptance documents. You should allow six to eight weeks to process.
We offer alternative entry pathways that allow you to be considered for admission to a course if you didn’t meet our standard entry requirements.

**AccessUWA**
AccessUWA lets you enrol in units without being formally admitted to a degree course. Upon successful completion of a minimum number of units, you can apply for undergraduate admission based on your results. The units may also be credited towards your degree.
study.uwa.edu.au/accessuwa

**First in Family**
Our First in the Family program is designed to support students in achieving their goals to be the first in their immediate family to attend university. If you’ve received an ATAR of 75.00–79.95 and will be the first in your family to attend university, you may be eligible for a place at UWA.
study.uwa.edu.au/first-in-family

**Broadway UWA**
This entry scheme allows students from designated schools to receive an automated ATAR adjustment to gain admission if their ATAR is slightly below the minimum score.
study.uwa.edu.au/broadway

**Fairway UWA**
Fairway UWA allows selected students to gain entry through participation in a program of support and activities throughout Year 12.
study.uwa.edu.au/fairway

**UWay**
School-leaver applicants and applicants completing mature-age WACE courses who believe their academic achievements in Year 12 have been adversely affected by certain disadvantages may apply for special consideration through the UWay scheme. Special consideration is also 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 also available online along with further information about the application process and closing dates.
study.uwa.edu.au/uway
UWA’s School of Indigenous Studies

UWA’s School of Indigenous Studies has extensive experience in offering tailored pathways into all undergraduate courses for Aboriginal and Torres Strait Islander people. Pathways include the Aboriginal Orientation Course, UWA Smart Start Course and the Provisional Entry Scheme.

Enabling pathways
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 to one of the School’s enabling (or bridging) courses. These are free courses that are eligible for ABSTUDY and scholarships support.

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

UWA Smart Start Course
This course is offered at UWA Albany 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.

How to apply
Applications for the Aboriginal Orientation Course and UWA Smart Start Course are available from September. All applicants will then be invited to attend an information session, as well as an interview and assessment at a Uni Entry Workshop in early December or late January. There is also a mid-year application round for these enabling courses.

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.

The Provisional Entry Scheme is competitive and applicants are ranked based on their education and/or employment background, interview and written assessment. Students are also required to have met the prerequisites for the course in which they are applying.

The Aboriginal Student Selection Committee, consisting of senior staff from Admissions, Associate Deans and Faculty Advisers, considers applicants recommended by the School of Indigenous Studies. Students who are successful are offered places. There is also a mid-year application round for this scheme.

Scholarships
Indigenous students commencing at UWA are eligible to receive significant scholarships. The School provides extensive guidance and support with applications and advice.

sis.uwa.edu.au/scholarships
Undergraduate fees

The Australian Government provides Commonwealth-supported places in courses at UWA for students who are Australian or New Zealand citizens or holders of an Australian permanent resident visa.

Commonwealth-supported students are required to make a contribution to the cost of their course. For Australian citizens, humanitarian visa holders and New Zealand Special Category Visa (NZ SCV) holders who meet the long-term residency requirements, the contribution can be deferred through the Australian taxation system via the Commonwealth Government’s HECS-HELP loan scheme or paid directly to the University. Students who elect to use the HECS-HELP loan scheme do not need to pay any of their student contribution directly to UWA but may, if they choose, make partial payments each fee period.

For New Zealand citizens and other permanent residents of Australia, the contribution must be paid in full, directly to the University. Direct payments do not attract a discount. Further information on eligibility criteria for NZ SCV is available at studyassist.gov.au

How much is the student contribution?

A course at UWA comprises a number of units. A standard unit is worth six (6) credit points. Full-time students usually study four 6-credit-point units in a semester for a total of eight 6-credit-point units in a year. Fees are billed on a semester basis.

The table below provides indicative costs for various discipline areas. The amount of your student contribution each semester depends on the mix of units in which you are enrolled.

The UWA Student Services and Amenities Fee

The UWA Student Services and Amenities Fee (SSAF) is a compulsory fee that directly benefits all UWA students. The fee is used to develop and provide a range of recreational, sporting and educational facilities together with social, education and representation activities and services. student.uwa.edu.au/course/fees/ssaf

<table>
<thead>
<tr>
<th>Unit discipline</th>
<th>Annual contribution for a standard full-time load (48 credit points)</th>
<th>Approximate student contribution for a 6-credit-point unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities, behavioural science, foreign languages, social studies, visual and performing arts, education, nursing, clinical psychology</td>
<td>AUD$6,566</td>
<td>AUD$820</td>
</tr>
<tr>
<td>Agriculture, built environment, computing, engineering, health and surveying, pharmacy, mathematics, statistics, science (natural and physical)</td>
<td>AUD$9,359</td>
<td>AUD$1,169</td>
</tr>
<tr>
<td>Accounting, administration, commerce, dentistry, economics, law and medicine</td>
<td>AUD$10,958</td>
<td>AUD$1,369</td>
</tr>
</tbody>
</table>

*Rates are current at time of printing. New rates will be released in November 2019. Check the website for updated information as it’s released: student.uwa.edu.au/course/fees.

The indicative 2019 fee for international students is AUD$37,800 per year. 2020 fees will be available from fees.uwa.edu.au when published.
Postgraduate fees

Fees for postgraduate study are determined by the nature of the course in which you enrol. Different types of degrees are classified under different types of fee structures or loan schemes.

Coursework degrees

Postgraduate fee-paying places (PF-P)

A postgraduate degree is classified as coursework when the dissertation component, if any, is less than two-thirds of the total course. Tuition fees are applicable to a large number of postgraduate coursework programs, and places in these courses are known as postgraduate fee-paying places. A deferred payment loan scheme called FEE-HELP is available under the Australian Government’s Higher Education Loan Program. FEE-HELP assists eligible students who enrol in postgraduate fee-paying courses to pay part or all of their tuition fees. See the table opposite for eligibility criteria.

Commonwealth Supported Place (CSP)

Some postgraduate coursework degrees have Commonwealth Supported Places, meaning the tuition fees for the course are subsidised by the Australian Government so students are only required to pay ‘student contribution’ amounts for their units of study. Students offered a Commonwealth Supported Place in a postgraduate degree may be eligible for HECS-HELP. HECS-HELP is an Australian Government loan program to help eligible students in CSPs to defer payment of their student contributions. Comprehensive information regarding eligibility for postgraduate coursework loan programs can be found by visiting studyassist.gov.au

Australian Government Research Training Program (RTP) for research degrees

A postgraduate degree is classified as a Higher Degree by Research (HDR) if the research component is at least two-thirds of the course. At UWA, Australian citizens and permanent residents, and New Zealand citizens, are exempt from paying tuition fees for HDRs under the Research Training Program (RTP). The RTP is a dedicated pool of funding provided by the Australian Government to support students undertaking research doctorate and master’s by research degrees. Domestic RTP Fees Offset Scholarships provide exemption from payment of tuition fees for up to four years’ full-time equivalent study for a doctorate by research and two years’ full-time equivalent study for a master’s by research degree. Assessment of eligibility for an RTP Domestic Fees Offset Scholarship and allocation occurs automatically in conjunction with an application for admission.

Combined coursework and research degrees

Candidates in some combined courses may be required to pay fees or organise a loan for the coursework component of their combined degree, even though the research component is covered by the RTP for eligible students. If in doubt about your eligibility under the scheme, contact the Graduate Research School at pghelp@postgraduate.uwa.edu.au or visit postgraduate.uwa.edu.au

Student Services and Amenities Fee (SSAF)

The compulsory Student Services and Amenities Fee is payable by all students enrolled at UWA. Income from this fee funds the development and provision of educational, recreational, social and sporting facilities and activities for the direct benefit of all UWA students. Research degree candidates who have been approved to undertake their research overseas may apply to have their fee waived. Applications are made directly to the Graduate Research School. For more information about the SSAF visit student.uwa.edu.au/course/fees/ssaf

Living allowance

Some courses have been approved by the Department of Social Services for Student Support Payments. Eligible students can receive one of Youth Allowance, Austudy or the Pensioner Education Supplement. Further information can be found at dss.gov.au/our-responsibilities/families-and-children/programmes-services/student-payments

Calculating your course fees

For comprehensive information regarding the tuition or student contribution fees applicable to your course of interest, visit fees.uwa.edu.au
The University of Western Australia (UWA) is proud to offer a range of scholarships and prizes annually to support students from all walks of life. The University has a long tradition of recognising and rewarding excellence within our community.

If you achieve an ATAR of 99.90, you will automatically be awarded a UWA Winthrop Scholarship valued at $5000 per year.

In addition to academic scholarships, UWA supports students who have been disadvantaged through their learning journey by awarding scholarships if they are experiencing financial hardship, living with a disability, originate from a rural or remote area, have experienced other educational disadvantages, or are an Aboriginal and Torres Strait Islander student commencing an undergraduate degree or the Aboriginal Orientation Course.

Eligibility is dependent on the type of scholarship you are applying for. Take a look online to see what you are eligible for or contact the Scholarships Office via askUWA to help you with your query.

scholarships.uwa.edu.au/futurestudents

Prizes

In recognition of outstanding academic achievement, UWA awards prizes annually. These prizes are offered by the different areas of the University and are presented to recipients at an awards ceremony held by the relevant faculty.

Recipients are nominated by the relevant faculty based on results achieved in their previous academic year.

Please note, unless specified in the prize conditions, students do not need to apply for prizes.

To see the different prizes within each area, take a look at what is offered at web.uwa.edu.au/study/prizes

If you are applying to UWA through an alternative pathway, enquire about scholarship opportunities through askUWA.
Supporting you

Your first few days at university can be overwhelming, from making new friends and managing your resources, to getting help with your course or even just finding the right lecture room. We offer a range of student services dedicated to helping you get your studies off to the best start and supporting you throughout your journey with us.

Transition Services assists all undergraduate and postgraduate students with their transition to university life through comprehensive orientation activities. The Transition Adviser and the Manager of Transition Services are key points of contact for students seeking information and help during their transition. Staff are available to assist students with timetable issues and first-level course advice, and can direct students to the right supports to help with their transition. transition.uwa.edu.au

All commencing undergraduate and postgraduate students have the opportunity to be matched with a UniMentor during orientation. UniMentors help new students settle into uni life and become familiar with their surroundings. unimentor.uwa.edu.au

STUDYSmarter is a free academic advice and support service offering support and resources for all undergraduate and postgraduate students at UWA. Staff can help you develop the writing, research, English language, maths and stats skills you need to excel in your university studies. studysmarter.uwa.edu.au

If you have a disability, medical or mental health condition that affects your ability to study, the UniAccess team can assist you according to your individual needs. Services include alternative exam arrangements, establishing reasonable adjustments that you may need due to your medical condition/disability, library resource rooms, and individual assistance with orientation and access. All services are free. uniaccess.uwa.edu.au

Counselling is available for students with academic or personal concerns. Psychologists with the service understand the issues faced by university students and offer free confidential counselling. Seeking assistance earlier can help reduce the likelihood of your concerns having an impact on your academic success and overall sense of wellbeing. counselling.uwa.edu.au

Located on the second floor of the Guild Village, UWA’s Medical Centre is able to provide convenient, confidential and comprehensive medical care to students and staff of the University.

Domestic students are able to be bulk-billed if they have a Medicare card. International students with Allianz or Medibank cards are directly billed to their insurance companies. uwa.edu.au/medical-centre

There are Christian and Muslim Chaplains who are committed to supporting you in the multifaith environment of UWA. They are available to help staff and students connect with what they need, whether religious or not. spirituallife.uwa.edu.au

For students with family commitments, the UWA Early Learning Centre can provide either part-time or full-time daycare for children aged six weeks to five years of age. childcare.uwa.edu.au
Join us on campus

One of the best ways to find out about studying at UWA is to take part in the events we offer future students.

study.uwa.edu.au/events
A Science degree from UWA will provide you with both the technical and theoretical knowledge needed for your career as well as the professional skills that will help set you apart from others. Here, we will challenge you to develop your critical thinking and communication skills, translating your curiosity for why things work into results that can impact the world. I encourage you to explore what opportunities the Faculty of Science can offer you by browsing our website or by visiting our beautiful campus. You will be most welcome.

– Professor A.G. O’Donnell, Executive Dean, Science

Acknowledgement

The University of Western Australia acknowledges that it is situated on Noongar land and that Noongar people remain the spiritual and cultural custodians of their land and continue to practise their ancient languages, beliefs and knowledge.