

# Four reasons to choose UOW

## We're among the best in the world

The University of Wollongong (UOW) is a global leader in research and learning. Ranked the 14th best modern university in world<sup>1</sup>, and among the world's top 1per cent of universities<sup>2</sup>, UOW offers a personal and practical approach to learning that prepares you for the workforce

## Study at UOW is affordable

Courses at UOW are competitively priced and there are a range of scholarships and bursaries available to help with the cost of study. Though Wollongong is just a 90 minute train ride from Sydney, being a regional centre makes the cost of living significantly lower than in Australia's larger cities. You can choose from a range of accommodation options to suit your budget, and will find getting around the city is cheap and easy with the free shuttle bus.

### Our graduates are among the world's best

The career support we provide, along with our practical approach to learning, will help you prepare for your career while you study. Professional degrees at UOW integrate practical workplace learning, to earn you professional accreditation with peak national and international industry bodies. This is why global employers consistently rate our graduates among the best in the world3.

## We offer pathways to study

UOW College Australia offers a range of pathway programs to the University of Wollongong as well as English courses and careerready qualifications. Conveniently located on the Wollongong campus, you have full access to UOW academic support. accommodation services, and sport, culture and entertainment facilities. You will benefit from a consistent teaching quality and seamless progression to university study.

# From here to every corner

A globally recognised and respected degree from UOW is your passport to a world of opportunity.



#### Top 20

14th best modern university in the world. QS Top 50 Under 50 Rankings 2021.



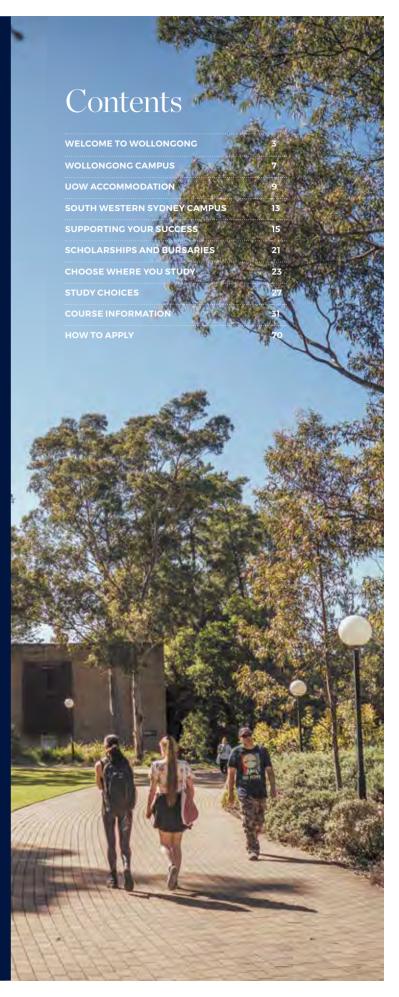
### Top 200

Ranking for UOW graduates by global employers. QS Graduate Employability Rankings 2020.

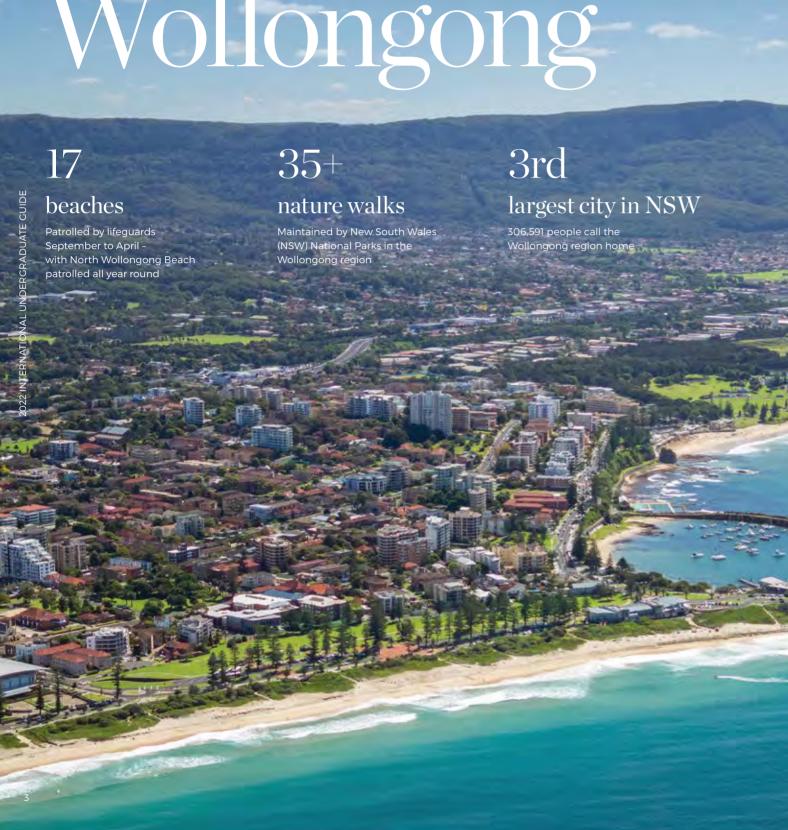


### Top 1%

UOW ranked 184th in the Aggregate Ranking of Top Universities 2020, and 196th globally in the QS World University Rankings 2021.



# Welcome to Wollongong



Located on the east coast of Australia, Wollongong is a student city. and the ideal place for you to study. It's a diverse, safe and friendly city, filled with many languages, cuisines, religions and customs. A busy cultural calendar attracts people from all over the world who enjoy a healthy, active lifestyle. With big green mountains to the west and the ocean to the east, you can breathe in fresh air, live stress-free and focus on your studies.

#### TRANSPORT IS CHEAP & EASY

Wollongong is close to Sydney - just 90 minutes by road or train. Once you arrive here, your transport options around Wollongong are safe, easy and cheap,



Wollongong is well-connected with buses going to all of the surrounding suburbs.

Free 'city loop' buses run all day and into the night, making it easy for you to travel from campus and student accommodation to the city centre, train station and shopping district.



North Wollongong Station is a 15 minute walk or a short free shuttle bus ride from our Wollongong campus.



UOW has facilities including showers, change rooms and secure bike lock-up. Bike racks are also conveniently placed outside buildings across campus.



Most destinations in Wollongong are an easy walk away.



#### UOW runs a carpooling program, so if you have two or

COST

more friends in your car, you get free parking on campus.



For any public transport in and between Wollongong and Sydney, you'll never pay more than \$16.10 a day or \$50 a week.1



#### COMPARE THE COST OF LIVING

Being a student city, the cost of living is lower<sup>2</sup> than many Australian cities, including Sydney and Melbourne, So in Wollongong, you can focus on your study, not your finances.



\$5.00 - 12 regular



#### \$2.30 loaf



# \$3.15. 1.25L bottle

\$3.50 on campus



#### \$1.50 - 1L

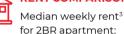


\$1.80 instant noodle cup

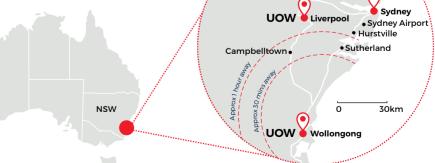


#### \$2.95 - 1Ka

**RENT COMPARISONS** 



Wollongong Liverpool Sydney CBD Melbourne CBD



1. Use an Opal Card to pay for trains, ferries, buses and light rail in Wollongong and Sydney. Top-up and reuse these smartcard tickets and enjoy capped pricing when using public transport. Prices correct as of January 2021 and are subject to change. Some exceptions apply, see opal.com.au 2. Numbeo.com, as of January 2021. 3. NSW Department of Family and Community Services Housing Rent and Sales September 2020. Victorian Department of Health & Human Services Rental Report September 2020.

# Life in a postcard

From a hike in the mountains to a swim in the ocean, and everything in between, there's always something happening in Wollongong.

#### SEEK ADVENTURES

Go hang-gliding at Bald Hill, experience skydiving over the beach, or ziplining through the forest at a nearby treetop tour.

#### RELAX

Experience what's on in Wollongong throughout the year, including the Sunset Cinema, Eat Street Markets, festivals, popup events, live music and so much more.

#### **ENJOY NATURE**

Interact with the native Australian animals at Symbio Wildlife Park, or enjoy one of many great hikes in the Illawarra, including Sublime Point and Mt Keira, and see the coastline stretch for miles.

Or experience the Royal National Park, which is nature's playground of walks, beaches and waterfalls.

#### SEE SOME SPORTS

Watch the St George Illawarra Dragons compete in the NRL or see some slam dunks at an Illawarra Hawks basketball game at WIN Stadium.

#### **BE ENTERTAINED**

See a show at the Illawarra Performing Arts Centre or listen to a talk or take a workshop at the Wollongong Art Gallery.

#### INDULGE

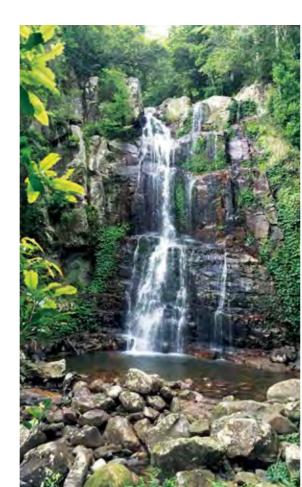
Enjoy food and drinks with a view at one of many cafes and restaurants overlooking the Pacific Ocean in North Wollongong.

#### **MEET UP**

There are over 3,000 businesses in Wollongong CBD with new cafes and shops opening up all the time. You can also join one of many special interest Meet Up groups going on around the region.

#### **HAVE FUN**

Wollongong is home to 20+ live music venues, including UOW's UniBar.

















# Wollongong campus

Our beautiful Wollongong campus is safe, vibrant, and open, with everything you need to achieve your best and feel like you belong. You'll meet a friendly university community with a wide range of facilities to help you succeed in your studies and make the most of your time at UOW.

#### **ACHIEVE**

Get the most out of your study with both online and print library resources, and study spaces designed to help you focus on your studies, or collaborate with other students.

You can also access a range of academic support programs on campus or online uow.info/support

#### REFUEL

You won't go hungry with nine coffee shops, 20+ food outlets, a bar and a supermarket all on campus, or take the free bus into Wollongong city centre.

#### JOIN A CLUB

With more than 130 student-run clubs and societies covering everything from religion and culture, to study groups and camping, it's easy to meet like-minded friends and have fun. Can't find one you like? You can start your own.

Find your tribe at clubs.uow.edu.au

#### HEAR SOME LIVE MUSIC

UOW UniBar and the University Hall have hosted some of the best Australian and international acts.

As live music events begin to return, we'll be hosting events designed to meet health regulations and keep our patrons safe.

Check out the upcoming gigs at unibar.uow.edu.au

#### **GET FIT**

With your student discount, UniActive, is the place to keep fit with a 50 metre swimming pool, various courts and ovals and a variety of group exercise classes each week. You can also join one of 60 sporting teams on campus from football to underwater hockey.

Team up at uniactive.uow.edu.au/sports

#### **ACTIVITIES**

Enjoy a full calendar of events, including outdoor cinemas, free food, makers markets and so much more, right here on

#### STAY HEALTHY

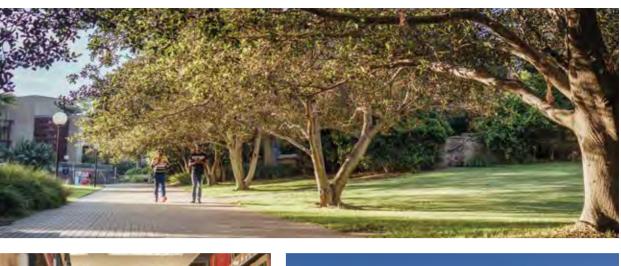
Take care of yourself with a health clinic, dentist, pharmacy, physiotherapist, and counselling services all on campus. A hairdresser and post office are also available.

Our free SafeZone App and UOW Security team are here to help ensure we have a safe and secure campus environment.

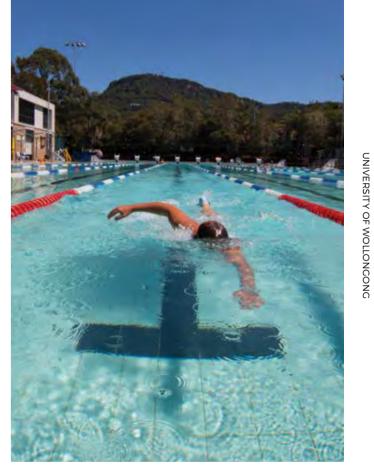
#### Choose your course

Courses with this symbol are available at our Wollongong campus. See the degrees we offer on page 31.

















# **UOW** accommodation

UOW offers a range of accommodation options conveniently located both on campus and in Wollongong city. And with options for self-catered or catered rooms, you're sure to find the home that suits you.

#### UOW ACCOMMODATION

You'll make lifelong friends with students studying everything from politics to polymers when you live in a UOW residence.

It's a welcoming, ready-made community, with a calendar full of social, sporting and cultural events.

When you live on campus you will feel safe, secure and supported. Wellbeing support is available 24/7 from trained residence staff and student Community Leaders. Building and room access is secured by individually coded access keys, meaning that even in shared units, bedrooms can only be opened by the key-holder.

It's not surprising that students who live in our residences achieve higher academic outcomes on average than students choosing private accommodation.

#### **HOMESTAY**

For those who prefer a family-oriented lifestyle, Homestays (living with a local family in a private home) are available.

For more information see **uow.info/homestay** 

#### PRIVATE ACCOMMODATION

UOW provides you with all the information you need about private and shared accommodation. Our dedicated accommodation web page also contains information on temporary accommodation you can use while you're looking for a place to live.

Learn more at uow.info/live-off-campus

## APPLYING FOR UOW ACCOMMODATION

You can apply to live in UOW accommodation online at apply-accom.uow.edu.au

In order to secure a place in a residence, you should submit your application as early as possible.

A free airport pick-up service from Sydney International Airport (60 minutes away) is provided for all newly enrolled UOW international students and UOW College students attending Wollongong campus and who are arriving in Australia for the first time.

For a full schedule of fees see uow.info/accomm

## THE BEST PLACE TO LIVE, GUARANTEED.

UOW Accommodation can guarantee eligible students a place in a UOW residence during their first year at the University.

Knowing you're going to have a roof over your head is one less thing to worry about, leaving you free to concentrate on your studies.

To apply and see conditions and closing dates, visit **uow.info/accomm** 





UNIVERSITY OF WOLLONGONG









# Choose your UOW residence

Get your university experience off to a smooth start. Your weekly rent in a UOW residence includes wi-fi, electricity, water, furniture, security and support – no surprise bills or unexpected costs.



Wollongong Hospital

Princes Hwy

BEACH

**CAMPUS** 

**CAMPUS EAST** 

1.258 residents

78 units

**GRADUATE HOUSE** 

KOOLOOBONG VILLAGE

WOLLONGONG

Wollongong City Beach

M

Â

527 residents

**BANGALAY** 254 residents

Take a virtual tour at: uow.info/accommodation



#### CAMPUS EAST CE

Campus East is UOW's only student residence offering a choice of catered or self-catered units. Students can also choose to live in a furnished single unit or share a two, three or five bedroom unit with other students. This residence is only a short five minute walk to Fairy Meadow beach and two minutes to the free bus.

CATERING Catered / Self-catered NUMBER OF RESIDENTS 527

ROOMS Single / Shared BATHROOM Private / Shared PRICE PER WEEK\* \$288

DISTANCE FROM BUS STOP (FREE SHUTTLE) 300m

DISTANCE FROM TRAIN STATION 400m



#### KOOLOOBONG VILLAGE KB

Kooloobong Village is the ideal residence for students wanting to live independently, but still keen to be part of a community. All Kooloobong students have access to study and wellbeing support, and enjoy an inclusive social life in a safe environment. Offering furnished shared units and single studio apartments, this self-catered accommodation is located on the Wollongong campus.

CATERING Self-catered
NUMBER OF RESIDENTS 1,258
ROOMS Single / Shared
BATHROOM Shared / Private
PRICE PER WEEK\* \$224
DISTANCE FROM BUS STOP
(FREE SHUTTLE) 100m
DISTANCE FROM TRAIN STATION 2.1km



#### MARKETVIEW M

Located in the heart of Wollongong CBD and home to a maximum of 144 students, Marketview is ideal for independent and mature-minded students. This residence offers furnished one bedroom self-catered studio apartments. Each room is air conditioned, has a private bathroom and comes with a queen-sized bed, study area, wardrobe and TV.

CATERING Self-catered
NUMBER OF RESIDENTS 144
ROOMS Single
BATHROOM Private
PRICE PER WEEK\* \$299
DISTANCE FROM BUS STOP
(FREE SHUTTLE) 150m
DISTANCE FROM TRAIN STATION 800m



#### BANGALAY B

If you are a postgraduate student or a matureage undergraduate you should consider Bangalay. Located directly across the road from Wollongong campus, Bangalay offers single and couple student apartments and two bedroom shared units. Two and three bedroom family units are also available, making Bangalay ideal for students who move to Wollongong with their partner or family. All rooms are furnished and self-catered. CATERING Self-catered
NUMBER OF RESIDENTS 254
ROOMS Single / Shared
BATHROOM Shared / Private
PRICE PER WEEK\* \$262
DISTANCE FROM BUS STOP
(FREE SHUTTLE) 50m
DISTANCE FROM TRAIN STATION 2km



#### GRADUATE HOUSE CH

Located directly across the road from the Wollongong campus, Graduate House offers a unique environment for UOW postgraduate students and couples, and for students who wish to live with their family while studying at UOW. This independent living style makes Graduate House a sought after residence among UOW's postgraduate students.

CATERING
NUMBER OF UNITS
ROOMS
Single / Couple / Family
BATHROOM
PRICE PER WEEK\*
DISTANCE FROM BUS STOP
(FREE SHUTTLE)
DISTANCE FROM TRAIN STATION
STATE

SElf-catered
78 Units
78 Unit

Prices listed are for 2021.

# South Western Sydney campus

When you study with UOW in Australia, you can choose to study at our South Western Sydney campus in Liverpool. Offering a selected range of undergraduate and postgraduate degrees, the campus provides an experience that is specially designed for the needs of our students.

#### PERSONALISED STUDY

As a student at UOW, you'll benefit from smaller class sizes and individual attention from your teachers – who are leaders in their respective fields of study. This is a great opportunity to meet industry leaders and learn from the best.

#### **TRANSPORT**

Campus is only a four-minute walk from Liverpool railway station. The city boasts one of Sydney's first rapid bus transit-way systems, connecting you to other major areas around Sydney. The free community shuttle also stops just outside campus and is a great way to move around Liverpool.

#### **FACILITIES**

South Western Sydney is a vibrant and growing UOW campus providing everything you need to make the most of your degree, including computer labs, nursing labs, student kitchens, a recreation space, an outdoor rooftop terrace, dedicated quiet study areas and a prayer room. All of this is located within walking distance to public transport and Liverpool's shopping district.

#### COURSE SUMMARY

UNDERGRADUATE COURSES

- Business
- Business Information Systems
- Communications and Media
- Computer ScienceInformation Technology
- International Studies
- Law
- Nursing

UOW COLLEGE PROGRAMS

- Diploma of Business
- Diploma of Information Technology

#### SHOPPING

Liverpool is a city that spoils you for choice, with Westfield Shopping Centre, the Macquarie Mall shopping strip and Liverpool Plaza all within a few blocks of your classroom.

#### ARTS & ENTERTAINMENT

A short train ride will lead you to the Casula Powerhouse Arts Centre, where you can see and learn about art, music and performance. If that's not your style, visit The Comic Shop, a karaoke bar or the Liverpool City Library.

#### FOOD

You don't need to go far to satisfy your appetite between lectures or tutorials; there are a variety of food outlets on almost every street. Spice up your lunch break with an Indian curry, grab some treats from an Afghani bakery or order some pizza or Thai food. If you prefer to pack some food, make the most of UOW's kitchen facilities on campus.

#### COFFEE

If you only have a five minute break between classes, you can find a quick caffeine fix from a cafe right at the entrance to UOW. Alternatively, a short walk will take you to numerous venues including the Blackrose Bar and Cafe, where you'll find coffee, Italian food and cocktails. Or head to Ristretto and Co for a gourmet breakfast, a coffee or a scoop of gelato.

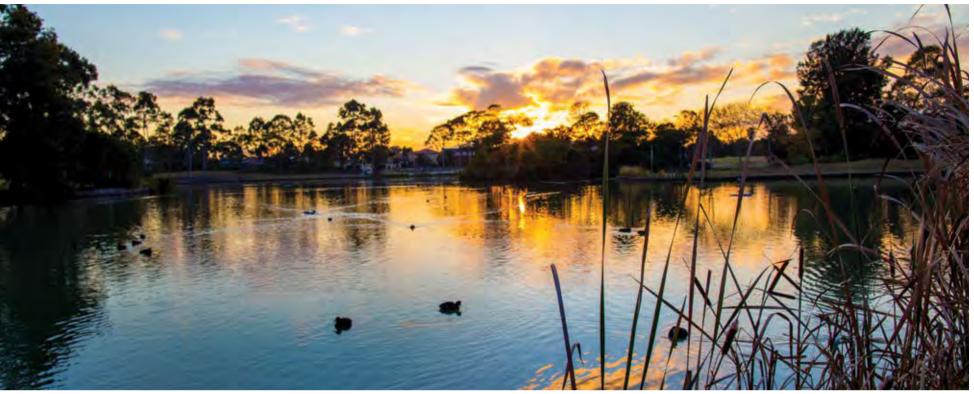
#### **SPORT & RECREATION**

Take a break and visit the Georges River or Lake Moore, nestled beside Liverpool city. As home to two leisure centres, two aquatic centres and numerous parks, riverside walkways, picnic areas and sporting facilities, Liverpool caters for the everyday walker to the focused athlete.



#### Choose your course

Courses with this symbol are available at our **South Western Sydney campus.** See the degrees we offer on page 31.











# Supporting your success

#### **TOP 1% FOR GRADUATES**

As a UOW student you'll find support with your studies and life as a student in Australia, as well as advice on how find work after graduation. That's why our students gave us a five star rating for student experience and support<sup>1</sup>, and why employers around the world rank UOW in the top 1% for the quality of our graduates<sup>2</sup>.

5-star rating for overall educational experience, student support, and teaching quality, Good Universities Guide 2021
 171-180 band, OS Graduate Employability Rankings 2020



# Gain practical skills

At UOW you can graduate with real workplace experience and the skills employers want.

#### WORKPLACE PRACTICE

UOW will help you prepare for the workplace with subjects that teach professional communication skills, and provide opportunities to gain experience in your desired industry.

#### WORK INTEGRATED LEARNING

Our practical approach to learning will help you enhance your employability. Work Integrated Learning subjects allow you to apply the knowledge and skills acquired through your studies and gain experience in your desired industry. UOW Careers Central will also assist you to find and apply for relevant paid internships and placements, and maximise these experiences to build your portfolio for future job opportunities.

#### CRL 100: Career Ready Learning

This elective subject will help you make more informed decisions about your career and course choices. By becoming part of a project team and interviewing organisations, you'll develop research and collaborative skills, and better understand the link between your studies and the qualities that employers value in their staff. You'll also gain insight into how career opportunities are influenced by changing workplace trends.

## CRLP200: Career Ready Learning & Practice

This subject provides the opportunity for real workplace experience through a professional placement or team-based professional consultancy experience. You'll learn to communicate effectively in a professional setting, and by learning how to align your knowledge and skills with the recruitment requirements of an organisation, you'll understand how your experience helps you meet your career goals.

#### uow.info/WIL

#### **BUILD YOUR CAREER**

Careers Central offers support and opportunities to gain practical workplace experience. Don't wait until the end of your degree to think about your career; from day one we can help you build a portfolio of experience that employers will value. We help you:

- Engage with employers on campus or online to learn about current jobs and internship options with all types of organisations, including Google, Microsoft, the Commonwealth Bank of Australia and many more
- Find and apply for relevant paid internships and placements. Our experienced Career Consultants can help you understand what you need to do to get started
- Equip yourself for your future career by exploring workplace learning experiences through our careerbased elective subjects
- Make better career choices by knowing what opportunities are available
- Maximise any paid internship or workplace experience you have found independently.

#### uow.info/careerscentral

## LEARNING FOR PROFESSIONAL ACCREDITATION

Professional degrees at UOW integrate practical workplace learning to earn you professional accreditation with peak national and international bodies, including Engineers Australia, the Nursing & Midwifery Board of Australia, the Australian Computer Society, and the Australian Board of Studies, Teaching and Educational Standards.

Check the UOW website or talk to your UOW representative to find out about professional accreditation experiences available in your degree.

#### uow.edu.au/study





It's been really good that the University offers a lot of extracurricular opportunities, and other ways of learning outside of the classroom. As an education student, it's been really good to get involved with Early Start, so I can have that practical experience throughout my degree. I'm really enjoying studying at UOW.

#### Mahime Watanabe

Bachelor of Mathematics Education (Dean's Scholar) Japan

# Career development & job search skills

Whether you're seeking a casual job while you study, or full-time employment when you graduate, UOW Careers Central will show you how to apply for work and help prepare you for the Australian workplace.

#### CAREERS CONSULTATIONS

UOW Careers Central has a team of experienced Career Consultants. You can meet with them to discuss your career goals and what you might do during and after your studies. Our consultants can also guide you with your resume, answering selection criteria, and your interview style.

Often the discussion will focus on your career direction and the things you can do to increase your employability, including participating in relevant UOW careers services and programs.

## CAREER DEVELOPMENT & JOB-SEEKING WORKSHOPS

UOW Careers Central offers a variety of jobseeking workshops, including some that are designed specifically for international students who aspire to work in Australia. Learn how to navigate an unfamiliar job market, identify differences in the job application process, understand what Australian employers are looking for and update your resume accordingly.

These workshops help you in all aspects of career development, from career planning to the jobseeking process. This includes aspects such as resume writing, interview skills, discovering hidden job markets, and more. The ultimate aim is to help you overcome the challenges in obtaining employment at the end of your degree and feel confident navigating the Australian recruitment process.

uow.info/careers-events

#### VOLUNTEERING

Volunteering for a not-for-profit business or charity is an excellent way to improve skills (and make friends) while learning about Australian culture and the Wollongong community. Volunteering also shows future employers you're well-rounded and not afraid of a challenge.

There are many opportunities for volunteering at UOW, including:

#### **Community Volunteering Project**

As a community volunteering project member you partner with a community organisation to deliver an event or project. You will have the chance to demonstrate leadership, networking and relationship building skills, and gain experience in coordinating a major project from planning to implementation. You will make a meaningful contribution to the local community, while enhancing your employability through training workshops and mentorship.

#### uow.info/community-volunteer

#### UNICREW

Help run UOW student events all over campus, organise fun activities every week and support the bands that play at UOW.

Organised through UOW Pulse, UniCrew are there to help make your time at UOW the best time of your life.

#### uow.info/volunteering

#### UNIVATIVI

Univative is a student consultancy program designed to enhance your employability. It provides a unique opportunity to work in multi-disciplinary teams, meet working professionals and gain real industry experience. You will gain first-hand knowledge and experience of a particular organisation or industry, while working on innovative solutions to business challenges.

Every year there are new and exciting business problems for Univative teams to solve. Past challenges have included:

- Strengthening the operation & delivery function of Wollongong tech firm Internetrix
- Determining how Mercer might organise their workplace more effectively to facilitate flexibility, workflows, and improved employee and customer service outcomes
- Working with Illawarra Taxi Network to identify new marketing strategies and tactical initiatives to strengthen and reposition their brand within the 18-30 year old demographic.

#### uow.info/univative

#### UOWX

UOWx connects you with valuable co-curricular activities that are offered at the university. The personal and professional development that you gain through these activities is formally recognised through the UOWx Record and Award.

#### uow.info/uowx

# Jobseeker resources

If you're planning to find work in Australia, UOW Careers Central will show you where to look.

#### CAREERHUB

UOW CareerHub is an online tool that will help you find and apply for jobs, and attend workshops and events during your time here (and after you graduate).

Through CareerHub you can:

- Search for jobs, including graduate, vacation, part-time, casual, and work experience opportunities
- Register for workshops, employer presentations and careers expos
- Have your resume reviewed and book an appointment with the Careers and Employability team.

## CAREER EXPOS & EMPLOYER PRESENTATIONS

Throughout the year we give you opportunities to meet and engage with employers online, and on campus when possible. Career Expos are a great opportunity for you to meet and network with a variety of employers in the one place. Our Graduate Careers Expo covers many different industries, and our STEM Career Expos focus on organisations within Science, Technology, Engineering and Mathematics.

Careers Central also hosts presentation sessions where employers provide valuable insight into their organisation, graduate recruitment processes, and promote employment vacancies.

These events provide opportunities to speak with people in your desired industry, understand how companies recruit and what they look for in graduates and interns, as well as explore different career options and pathways.

#### uow.info/careers-events

#### JOBS ON CAMPUS

Jobs on Campus connects students with employers at UOW who are looking to hire staff. Jobs range from customer service in retail outlets to student support roles and office work. The program ensures you are prepared for the application process through completion of our jobseeking workshops, and aware of professional expectations in the workplace.

#### uow.info/jobsoncampus

#### **ONLINE TOOLS & RESOURCES**

Explore an extensive range of interactive tools, videos, eLearning and written resources via our online platform
CareerHub Plus. It covers everything from improving your resume to utilising social media effectively. There are plenty of tips from employers, including how to make the best first impression, information on recent developments in your industry, as well as an interview simulator.

You can also find sample cover letters, interview preparation checklists, resume writing guides and application advice from our Career Consultants on our Careers Central website. The website also provides career advice, including opportunities related to your degree.

#### uow.info/careerscentral

# Working while you study

An international student visa allows you to work 40 hours per fortnight (two weeks) during university session and full-time during session breaks.





I was always after a university that could provide job opportunities, and I got the chance to work in South 32; it is a very famous mining company in Australia. Working in the mining sector in Australia is a really good opportunity, and Wollongong is definitely providing that opportunity.

#### Asiri Nawarathna

Master of Science (Supply Chain Management & Project Management)

Sri Lanka

# Services & support

As a UOW student you'll have the academic and personal support you need to succeed.

We are a student-centred university with available staff, dedicated research supervisors and a personal approach. From the day you become a UOW student, you can expect guidance and support.

uow.info/support

#### Academic support

#### ACADEMIC ADVISERS

Each faculty has advisers and coordinators to assist you with questions about your subjects or course. You can also consult your tutor, lecturer or the course coordinator.

#### LEARNING DEVELOPMENT CENTRE

The Learning Development Centre offers a range of free resources, classes and consultations to all enrolled students seeking to improve their academic performance.

#### uow.info/learningdevelopment

#### LIBRARY

Our award-winning library and dedicated library staff are here to support you during your study at UOW. You'll have access to print and digital collections containing over a million volumes, and dozens of learning spaces – from quiet study spaces to group seminar rooms.

#### library.uow.edu.au

#### PEER ASSISTED STUDY SESSIONS

At PASS you'll develop your study skills and academic performance and meet new people. PASS is a group-learning program that gives you additional support in core subjects. The program consists of weekly one-hour sessions, led by peer leaders: students who have excelled at these subjects in the past.

#### uow.info/pass

#### ONLINE LEARNING

To provide our students with a successful study experience during the COVID-19 pandemic, we have made available a suite of online tools and services that support online study. Our students have access to peer coaches, online learning support, and digital library resources so that you can commence and continue your studies safely.

#### uow.info/online-learning

#### STUDENT CENTRAL

A central office for student assistance, including enrolment matters, official documents (including transcripts), exams and results, and student fee matters.

#### uow.info/central

#### STUDENT COMPUTER LABS

The Student Computer Labs provide you with access to email, web, applications software, printing and Student IT Support. There are also teaching labs that contain special-purpose software for tutorials run by individual departments. When tutorials are not running, these labs may be used by any UOW student.

#### uow.info/itlabs

#### Personal services

#### COUNSELLING SERVICES

This free and confidential counselling service is available five days a week to assist you with personal, study or work related difficulties. Counselling can involve identifying options and choosing between them, learning new skills to cope better with problems, gaining a greater understanding of what is occurring, or being supported while recovering from a significant life event.

#### uow.info/counselling

#### **HEALTH & MEDICAL**

Located on our Wollongong campus, Campus Health provides comprehensive health care services to UOW students and staff. Campus Health has both female and male general practice doctors for treatment of any of your health concerns. There are also psychologists and a dentist on campus.

#### IT SERVICES ON CAMPUS

While at the Wollongong campus, you can access wireless internet and freely use the large computer labs. Many private and collaborative study spaces across campus have network facilities for student computers.

#### SAFEZONE APP

You can download SafeZone, the free smartphone app that makes it easy to ask for assistance from UOW Security Services with the press of a single button.

#### RELIGIOUS SERVICES

There are a range of religious services on and off campus, including a Muslim prayer space, the Omar Mosque near the University, the Nan Tien Buddhist Temple in nearby Berkeley and the Sri Venkateswara Hindu Temple. Student-based religious clubs include the Buddhist Society, Chinese Christian Fellowship, Uni Bible Group and the Muslim Association of Wollongong University.

#### STUDENT SUPPORT ADVISERS

These advisers provide support and referral services to UOW students. They also provide programs supporting student equity and diversity, both within faculties and across campus. They assist you with a range of issues such as orientation to the local area, study difficulties, academic concerns, budgeting, homesickness, legal issues and accidents, student visas, health and personal problems, family emergencies, and children's education. The service is free and confidential.

#### **UOW SECURITY SERVICE**

The Security Service helps provide a safe and secure campus environment with trained and licensed security officers providing emergency response, first aid, after-dark escorts and patrols. They operate 24 hours a day, seven days a week.





The teachers here are so friendly. My tutors are awesome! Whenever I go to them for advice, they're so helpful. Any kind of problem regarding study, they're always ready to help.

#### **Shamima Shanta**

Master of Education Advanced (TESOL)

Bangladesh

# Scholarships & bursaries

Scholarships for international students are offered by UOW, the Australian Government and a number of international organisations. UOW also offers bursaries for undergraduate students from a range of countries.

uow.info/int-scholarships

2022 INTERNATIONAL UNDERGRADUATE GUIDE



## Bachelor degree scholarships & bursaries

#### UNIVERSITY EXCELLENCE CHOLARSHIP

If you are commencing a bachelor's degree at UOW, you may be eligible for a 30 per cent tuition fee waiver.

#### Eligibility:

Achieve excellent academic results in either your international secondary school qualification, an approved foundation studies program, or an approved diploma or academic pathway program.

#### Application:

You will be automatically assessed when you apply to UOW.

#### **Exclusions:**

This scholarship is not available for students studying nursing, nutrition and dietetics, exercise science and rehabilitation, education, social work and psychology degrees. Full terms and conditions: uow.info/UES

#### DIPLOMAT SCHOLARSHIP

If you are commencing a bachelor's degree at UOW, and hold an Australian diplomatic visa 955, you may be eligible for a 30 per cent tuition fee waiver.

#### Eligibility:

You must hold an Australian Diplomatic visa 955, and achieve excellent academic results in either your international secondary school qualification, an approved foundation studies program, or an approved diploma or academic pathway program.

#### **Application:**

You will be automatically assessed when you apply to UOW.

#### **Exclusions:**

This scholarship is not available for students studying nursing, nutrition and dietetics, exercise science and rehabilitation, education, social work and psychology degrees. Full terms and conditions: uow.info/dip-scholarship

#### COUNTRY BURSARIES

UOW country bursaries help make the world-class education offered by UOW more affordable for our international students. The bursaries offered to undergraduate students apply for the full duration of some of our most popular courses, and offer a tuition fee reduction of 10 per cent. Bursaries are available to citizens of the following countries:

#### BANGLADESH

CHINA

INDIA

INDONESIA

KENYA

NEPAL

NIGERIA

PAKISTAN

SRII ANKA

TANZANIA VIETNAM

#### Eligibility:

You must be a citizen of the relevant country, and choose to study an eligible course.

#### Application:

You will be automatically assessed when you apply to UOW.

Full terms and conditions: uow.info/int-scholarships

#### FACULTY OF BUSINESS AND LAW COUNTRY BURSARY

If you want to study an undergraduate course offered by UOW's Faculty of Business and Law, you may be eligible for a 20 per cent tuition fee reduction.

#### Eligibility:

You must hold current citizenship with China (including Hong-Kong and Macau SAR), India, Nepal, Vietnam, Pakistan, Bangladesh or Sri Lanka.

#### Application:

You will be automatically assessed when you apply to UOW.

#### **Exclusions:**

You must not be in receipt of any other scholarship, sponsorship, bursary or discount. Law courses, or double degrees that incorporate Law, are not eligible for this bursary. Full terms and conditions: uow.info/BAL-bursary

#### AUSTRALIAN GOVERNMENT SCHOLARSHIPS

UOW participates in a range of schemes funded by the Australian government - including the Australia Awards and Fellowships. For more information go to studyinaustralia.gov.au

## Academic pathway & English language scholarships and bursaries

#### UOW COLLEGE AUSTRALIA COUNTRY BASED SCHOLARSHIPS

UOW College Australia offers a range of country based scholarships to students from selected countries for both English Language and Academic pathway courses.

These merit based scholarships are available to students from Bangladesh. Ghana, India, Indonesia, Kenya, Myanmar, Nepal, Nigeria, Pakistan, Philippines, Sri Lanka, Thailand, and Vietnam.

#### **Application:**

You will be automatically assessed when you apply to UOW College Australia.

#### UOW COLLEGE AUSTRALIA ENGLISH ANGUAGE BURSARIES

UOW College Australia offers a range of English language bursaries to students from selected countries for both English language and academic pathway courses.

This bursary is available to students from Central and South America, Japan, Korea. Taiwan, Thailand, and Vietnam.

#### Application:

You will be automatically assessed when you apply to UOW College Australia.

For full terms and conditions of all UOW College Australia scholarships, visit: uow.college/intscholar

# Choose where you study

You can choose where you study your UOW degree, with our global network of campuses and education partners.

Our network means that you can gain your UOW qualification from locations around the world. Our credit transfer arrangements also mean that you can start your degree overseas, and complete your degree in Australia.

#### INTERNATIONAL EDUCATION PARTNERS

UOW has established partnerships with a number of international education institutions to provide students with opportunities to access quality education outside Australia.

#### These include:

- PSB Academy Singapore
- The Singapore Institute of Management (SIM)
- Central China Normal University (CCNU) UOW Joint Institute

#### TWINNING ARRANGEMENTS

UOW has twinning arrangements with Beijing Jiaotong University, Zhengzhou University and Tiangong University that are formally recognised by the Chinese Ministry of Education. Students are able to complete part of their program at their home institution and then transfer to UOW to complete the remainder of their degree.

#### Offshore transfer discount

We encourage our students to take a truly global approach to their education, and have established pathways between our international campuses and our campuses in Australia. Students of UOW Dubai, UOW College Hong Kong, and UOW Malaysia KDU who wish to transfer, may be eligible for a 25 per cent tuition fee reduction for the subjects they

complete onshore in Australia.

# The University of Wollongong in Dubai (UOWD) is a member of the University of Wollongong in Australia, one of the top-ranked universities in the region. It's also one of the oldest and most prestigious universities in the United Arab Emirates (UAE). As a UOWD student, you will enjoy learning in our new, ultra-modern campus building, located in the heart of Dubai's vibrant education and training cluster, Dubai Knowledge Park. The building was customised to give you the best possible student experience, as well as worldleading teaching, learning and research facilities. Take a virtual tour: uow.info/dubai-tour EARN A HIGH QUALITY DEGREE UOWD's curriculum and teaching practices reflect those of UOW Australia, which ranks among the top 2 per cent of universities worldwide. All of our courses are taught by qualified academic professionals who are all PhD holders, meaning you can be confident your qualification will be recognised and respected by You can choose from 44 internationally accredited degrees, spanning 10 industry sectors. Study options include foundation courses and undergraduate and postgraduate degrees in engineering, business, Information and Communication Technology (ICT), educational studies, nursing, communications and media.

Find your course at uow.info/dubai-courses

#### BECOME CAREER READY

At UOWD our focus is student employability. Our caree development services play an important role in maintaining our high rates of graduate employment.

Our qualified career advisers have an extensive network of employer links to connect you with work experience or internship opportunities while you study, and to help you transition to graduate positions when you're ready to step into the workplace

#### uow.info/dubai-careers

#### **ENJOY YOUR UNIVERSITY EXPERIENCE**

We want your university experience to be socially and academically fulfilling. UOWD encourages all students to pursue extra-curricular activities, as well as access our support services to ensure a happy and healthy learning experience.

- Be healthy: You will have access to the UniClinic and personal counselling services.
- Be social: Join a sporting team or one of the 36 student clubs at UOWD. Enjoy the student lounge, activities room and E-Games room that are available on campus.
- Be supported in your learning: Access a comprehensive range of library, technology and academic support services, as well as physical resources that help to create the unparalleled learning experience for which we are

Learn more: uow.info/dubai-student-life

# UOW College Hong Kong

UOW College Hong Kong (UOWCHK), formerly Community College of City University (CCCU), has provided quality tertiary education for more than 35 years. Since July 2015, the College has been part of UOW's global campus network. UOW teaches a number of degree and topup programs at UOWCHK to meet the changing needs of the workplace and produce high-quality graduates.

#### **CAMPUS LOCATION**

Our Kowloon Bay Telford Campus is easily accessed from the nearby MTR station. As a student at this campus, you will have access to:

- the Telford library, which provides easy access to textbooks, periodicals and library materials. Online facilities are available for access to the electronic resources of the University of Wollongong library.
- sports facilities at Telford Recreation Club (Kowloon Bay) and Spotlight Recreation Club (Whampoa Gardens), which offer a diverse range of group physical fitness classes such as yoga, boxing and indoor cycling, as well as sports facilities like badminton courts and swimming pools.

uow.info/uowchk-campuses

#### STUDY OPTIONS

UOWCHK has a range of accredited programs from diploma level through to degrees across all our disciplines

- Accountancy and Finance
- Aviation
- Creative Media and Design
- Cultural and Legal
- Diploma in General Studies
- Engineering
- Information Technology
- Languages and Communication
- Management
- Marketing and Public Relations
- Psychology
- Science
- Social Science

#### uow.info/uowchk-courses

#### PREPARE FOR YOUR CAREER

At UOW College Hong Kong, we produce career ready graduates and have a strong focus on articulation pathways and student progression. Each year about 2,000 students take part in internships, special projects, fieldwork and site visits.

Our connections with the professional community, internship programs and highly qualified staff create an empowering environment for our students to acquire up-to-date business knowledge, build professional traits and nurture their abilities to handle workplace challenges in the future.

uow.info/why-uowchk

UOW has delivered programs in Malaysia for more than 10 years and, in 2018, UOW acquired the university colleges of Malaysian private education provider KDU. This new initiative offers enhanced opportunities for the study of Australian courses in Malaysia.

UOW

Malaysia

UOW Malaysia KDU offers programs from foundation courses through to research doctorate degrees. Students can commence their foundation or diploma studies and progress through to degree studies at our Batu Kawan campus, or any of the other global UOW campuses located in Australia, Dubai, Hong Kong and Malaysia.

Visit uowmkdu.edu.my

#### CAMPUS LOCATIONS

#### **UOW Malaysia KDU University College**

Located at Utropolis Glenmarie, learn in state-of-the-art facilities and a contemporary teaching and learning environment. UOW Malaysia KDU offers a wide range of programs at certificate, diploma, degree and master's levels, and has introduced homegrown degree programs that are at the forefront of growing industries.

#### **UOW Malaysia KDU Penang University College**

Located at Jalan Anson, UOW Malaysia KDU Penang University College is the most popular private tertiary education provider in the northern region. It has international alumni from 60 countries around the world.

#### **UOW Malaysia KDU College**

This UOW College campus offers quality international programs with great student experience through its partnership with top universities around the world.

Its close collaboration with top-ranking foreign university and education partners ensures you will gain globally recognised preuniversity and bachelor degree qualifications that are equivalent to those awarded by the partners' home campuses.

#### UOW Malaysia KDU Penang University College, Batu Kawan

The Batu Kawan campus brings an Australian higher education experience to mainland Penang for the first time. You can choose to study programs from three faculties, including the Centre for Pre-University Studies, School of Engineering, Computing and Built Environment, and the School of Business.

# How to use this guide

# 1. Understand UOW course types

#### **BACHELOR DEGREES**

Our bachelor degrees offer you many options to specialise and combine interests. These degrees are often very flexible, with a wide range of majors to specialise your studies. Many also offer the option of doing a double major, or a broad range of elective subjects, allowing you to essentially custom-build your own qualification.

#### HIGH-ACHIEVER PROGRAMS

Our high-achiever programs offer you self-directed study and research opportunities. These programs may be integrated into your degree, or taken as an additional year of study. For more, visit: uow.info/high-achiever

#### **DEAN'S SCHOLAR DEGREES**

These degrees give high-achieving students opportunities to excel. The programs vary depending on the degree, with each offering either some – or all – of the following opportunities; an academic mentor, annual book allowance, exemption from some first year subjects, ability to fast-track the degree, access to academic workshops, seminars and networking events, and opportunities to participate in research enrichment activities.

#### **HONOURS**

Being granted Honours distinguishes a graduate as a highachiever. Honours degrees are recognised as a qualification above and beyond a bachelor degree. An Honours project is a substantial personal study program, often in the form of an individual research project, which usually takes a year to complete.

At UOW, Honours is either integrated into a degree or taken as an additional one-year program after completing a bachelor degree. See examples below:

#### INTEGRATED HONOURS

4 YEARS

Bachelor of Engineering (Honours)

#### BACHELOR

3 YEARS Bachelor of Arts HONOURS

1 YEAR Bachelor of Arts (Honours)

Each UOW degree has been designed to reflect the needs of future employers, paving the way for a fulfilling career anywhere in the world. The following pages list the essential information on what you will learn and where it will take you.

Study choices

# Find your degree

The index starting on page 31 lists all of our degrees. The large headings indicate broad fields of interest, e.g. business or engineering. Under each of these headings you will find smaller headings indicating a more specific area within that field, e.g. finance or mechatronics.

#### **DESCRIPTION**

This is a summary of the key features of the degree. More detailed information on all our degrees can be found online at uow.edu.au/study or by using the web link under the course name or major.

#### MAJORS

A 'major' is where you can choose to study a specialised area within a single bachelor degree, for example a major in marketing within the Bachelor of Commerce.

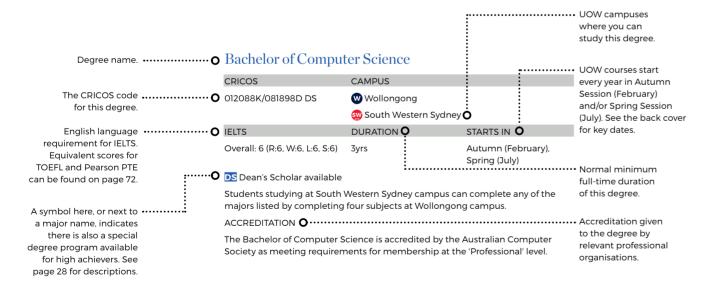
Most degrees allow you to take a major, and some even allow you to take a second major, e.g. Bachelor of Commerce allows two majors, so you could major in both marketing and international business (or any of the other options available).

A second major (or double major) normally does not lengthen the course duration.

This course guide indicates the major studies available in each degree. A brief description of each major is included, indicating the key areas you can expect to study in the program. For detailed lists of subjects, go to **uow.edu.au/study** search for your course and go to 'course structure'.

# Read about your degree

This guide gives you a summary of the important degree information. See below for an explanation of how we have presented this information.



# Consider a double degree

UOW offers a diverse selection of double degree programs, often in unique study area combinations. These programs let you complete two separate bachelor degrees simultaneously, in less time than if you studied them one after the other. Double degrees normally take five to seven years to complete depending on the combination. For further details go to uow.edu.au/study

DOUBLE BACHELOR DEGREES OFFERED	Arts	Arts (Psychology)	Arts (Western Civilisation)	Business Administration	Business	Communication & Media	Computer Science	Creative Arts	Economics & Finance	Engineering (Honours) (all Majors)	Engineering (Honours) (Mechanical or Mechatronics)	Exercise Science	Information Technology	International Studies	Journalism	Laws	Mathematics	Neuroscience	Politics, Philosophy & Economics	Psychological Science	Psychology (Honours)	Science	Science (Physics)	Social Science
Arts										•				•	•	•						•	•	
Arts (Psychology)																•								
Arts (Western Civilisation)								•						•		•			•					
Business Administration													•											
Business	•	•				•		•		•				•	•	•				•	•	•		
Communication & Media	•				•		•	•	•					•	•	•						•		
Computer Science		•				•		•		•	•					•	•		*************		************	•	•••••	***********
Creative Arts	•		•		•	•	•							•	•	•						•		
Economics & Finance	•	•				•								•		•			**************	•	••••••		•••••	***********
Engineering (Honours) (all majors)	•				•		•								•	•	•					•	•	
Engineering (Honours) (Mechanical or Mechatronics)		•••••			•				•	•••••		•											•••••	
Exercise Science											•													
Information Technology				•												•				•	•••••		•••••	
International Studies	•		•		•	•		•	•						•	•					•		•	
Journalism	•				•	•		•		•				•		•					•	•	•••••	
Laws	•	•	•		•	•	•	•	•	•			•	•	•		•		•	•	•	•		
Mathematics							•			•						•							•	
Neuroscience																				•				
Politics, Philosophy & Economics			•													•								
Psychological Science					•											•		•						•
Psychology (Honours)					•																			
Science	•				•	•	•	•		•					•	•								
Science (Physics)	•									•							•							
Social Science																				•				

30

All law double degrees are listed in this guide from page 52. For more information on the full list of UOW double degrees visit: uow.info/double

# UOW degrees

DACUELOD OF ADTO	
BACHELOR OF ARTS	50
ARCHAEOLOGY & ANCIENT HISTORY CHINESE (MANDARIN) FOR	50
CHARACTER BACKGROUND STUDENTS CHINESE (MANDARIN) FOR	5
NON-CHINESE BACKGROUND STUDENTS	5
COMMUNITY, CULTURE AND ENVIRONMENT	5
CREATIVE WRITING	5
ENGLISH LITERATURES	5
ENVIRONMENTAL HUMANITIES	50
FRENCH	5
HISTORY INDIGENOUS STUDIES	50
INDIGENOUS STUDIES INTERNATIONAL RELATIONS	50
JAPANESE	5
PHILOSOPHY	50
PHOTOGRAPHY	40
POLITICS	50
SOCIOLOGY	50
SPANISH	5
WRITING & ENGLISH LITERATURES	5
BACHELOR OF ARTS (PSYCHOLOGY)	5
BACHELOR OF ARTS	
IN WESTERN CIVILISATION	5
BACHELOR OF BIONANOTECHNOLOGY	_
(HONOURS)	6'
BACHELOR OF BUSINESS	34
ACCOUNTANCY BUSINESS ANALYTICS	34
BUSINESS LAW	3!
ECONOMICS	3
FINANCE	3
FINANCIAL PLANNING	3
HUMAN RESOURCE MANAGEMENT	3.
INTERNATIONAL BUSINESS	3
MANAGEMENT	3.
MARKETING	3
PUBLIC RELATIONS	30
SPORT MARKETING AND MANAGEMENT	30
SUPPLY CHAIN MANAGEMENT	3
BACHELOR OF BUSINESS ADMINISTRATION	3.
INFORMATION SYSTEMS	60
BACHELOR OF COMMUNICATION & MEDIA	38
DIGITAL & SOCIAL MEDIA	38
GLOBAL SCREEN MEDIA	38
JOURNALISM	38
MARKETING, COMMUNICATION & ADVERTISING	38
VISUAL COMMUNICATION DESIGN	38
BACHELOR OF COMPUTER SCIENCE	6
ARTIFICIAL INTELLIGENCE & BIG DATA	6
CYBER SECURITY	6
DIGITAL SYSTEMS SECURITY	6
GAME & MOBILE DEVELOPMENT	6
SOFTWARE ENGINEERING	6
BACHELOR OF CONSERVATION BIOLOGY (HONOURS)	64

2022 INTERNATIONAL UNDERGRADUATE GUIDE

BACHELOR OF CREATIVE ARTS	39	BACHELOR OF MATHEMATICS EDUCATION	43
CREATIVE WRITING	39	BACHELOR OF MEDICAL &	······································
MUSIC	39	HEALTH SCIENCES / DS	47
VISUAL ARTS	39	BACHELOR OF MEDICAL &	
VISUAL ARTS & DESIGN	39	RADIATION PHYSICS	68
BACHELOR OF DATA SCIENCE & ANALYTICS	67	BACHELOR OF MEDICAL BIOTECHNOLOGY	47
BACHELOR OF ECONOMICS & FINANCE BACHELOR OF EDUCATION	34	BACHELOR OF MEDICAL BIOTECHNOLOGY (HONOURS) / DS	47
THE EARLY YEARS	42	BACHELOR OF MEDICINAL CHEMISTRY	
BACHELOR OF EDUCATION PRIMARY	42	(HONOURS) / DS  BACHELOR OF NEUROSCIENCE	47 55
BACHELOR OF EDUCATION SECONDARY	43	BACHELOR OF NURSING	48
		BACHELOR OF NURSING (CONVERSION)	48
BACHELOR OF ENGINEERING	60	BACHELOR OF NUTRITION & DIETETICS	· · · · · · ·
BIOMEDICAL ENGINEERING COMPUTER & AUTONOMOUS SYSTEMS	65	(HONOURS)	45
ENGINEERING	60	BACHELOR OF NUTRITION SCIENCE	46
ENVIRONMENTAL ENGINEERING	65	BACHELOR OF PERFORMANCE & THEATRE	39
TELECOMMUNICATIONS ENGINEERING & INTERNET OF THINGS	60	ACTING	39
BACHELOR OF ENGINEERING (HONOURS)	63	THEATRE	39
ARCHITECTURAL ENGINEERING	63	BACHELOR OF POLITICS, PHILOSOPHY &	
CIVIL ENGINEERING	63	ECONOMICS	51
ELECTRICAL & ELECTRONICS ENGINEERING	63	BACHELOR OF PRE-MEDICINE, SCIENCE &	
MATERIALS ENGINEERING	63	HEALTH	47
MECHANICAL ENGINEERING	63	BACHELOR OF PRIMARY EDUCATION	
MECHATRONIC ENGINEERING	64	BACHELOR OF PSYCHOLOGICAL SCIENCE	55
MINING ENGINEERING	64	BACHELOR OF PSYCHOLOGICAL SCIENCE	
BACHELOR OF ENVIRONMENTAL SCIENCE			55
	64	(HONOURS)	33
(HONOURS)	64 45	(HONOURS)  BACHELOR OF PSYCHOLOGY (HONOURS)	55
(HONOURS) BACHELOR OF EXERCISE SCIENCE			· · · · · · ·
(HONOURS)		BACHELOR OF PSYCHOLOGY (HONOURS)	55 46 68
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE &	45	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE	<b>55 46 68</b> 69
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY	45 45	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS	<b>55 46 68</b> 69 69
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION	45 45	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY	<b>55 46 68</b> 69 69
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH &	45 45 58 43	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY	<b>55 68</b> 69 69 65 68
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION	45 45 58 43	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY	<b>55 46 68</b> 69 69
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY	45 45 58 43 62	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY	<b>55 46 68</b> 69 69 65 68 66
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT	45 58 43 62	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT	<b>55 68</b> 69 65 68 66 66
(HONOURS)  BACHELOR OF EXERCISE SCIENCE & BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT	45 58 43 62 62 62	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT	<b>55 46 68 69 65 68 66 66 58</b>
(HONOURS)  BACHELOR OF EXERCISE SCIENCE  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES	45 58 43 62 62 62 51	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE	55 68 69 69 65 68 66 58 66 58 66
(HONOURS)  BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES  GLOBAL SUSTAINABLE DEVELOPMENT	45 58 43 62 62 62 51	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY	55 68 69 69 65 68 66 58 66 58 66 66
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM	45 58 43 62 62 62 51 51 38	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS	<b>55 68</b> 69 65 68 66 58 66 58 66 66 66 69
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS	45 58 43 62 62 62 51 51 38	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT ENVIRONMENT & HERITAGE MANAGEMENT GEOLOGY HUMAN GEOGRAPHY MARINE SCIENCE PHYSICAL GEOGRAPHY PHYSICS & MATHEMATICS	55 68 69 65 68 66 58 66 58 66 66 69 69
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS	45 58 43 62 62 62 51 51 38 52	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION	55 68 69 65 68 66 58 66 58 66 66 69 69
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF LAWS (GRADUATE ENTRY) BACHELOR OF MATHEMATICS	45 58 43 62 62 62 51 51 38 52 52	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE	55 68 69 65 68 66 58 66 58 66 66 69 43
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF LAWS (GRADUATE ENTRY) BACHELOR OF MATHEMATICS APPLIED MATHEMATICS	45 58 43 62 62 62 51 51 38 52 52 67	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY	55 46 68 69 65 68 66 58 66 66 69 69 43
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF LAWS (GRADUATE ENTRY) BACHELOR OF MATHEMATICS	45 58 43 62 62 62 51 51 38 52 52	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE	55 68 69 65 68 66 58 66 58 66 66 69 43
BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES  GLOBAL SUSTAINABLE DEVELOPMENT  INTERNATIONAL RELATIONS  BACHELOR OF JOURNALISM  BACHELOR OF LAWS  BACHELOR OF LAWS  BACHELOR OF LAWS  BACHELOR OF MATHEMATICS  APPLIED MATHEMATICS  PURE MATHEMATICS	45 58 43 62 62 62 51 51 38 52 52 67 67	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN GEOGRAPHY	55 46 68 69 65 68 66 58 66 66 69 69 43 57
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF MATHEMATICS APPLIED MATHEMATICS APPLIED STATISTICS	45 58 43 62 62 62 51 51 38 52 52 67 67	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN GEOGRAPHY HUMAN SERVICES  OCCUPATIONAL HEALTH & SAFETY  SOCIOLOGY	55 46 68 69 65 68 66 58 66 66 69 69 57 57 57 57 57
BACHELOR OF EXERCISE SCIENCE BACHELOR OF EXERCISE SCIENCE & REHABILITATION BACHELOR OF GEOGRAPHY BACHELOR OF HEALTH & PHYSICAL EDUCATION BACHELOR OF INFORMATION TECHNOLOGY NETWORK DESIGN & MANAGEMENT WEB DESIGN & DEVELOPMENT BACHELOR OF INTERNATIONAL STUDIES GLOBAL SUSTAINABLE DEVELOPMENT INTERNATIONAL RELATIONS BACHELOR OF JOURNALISM BACHELOR OF LAWS BACHELOR OF LAWS BACHELOR OF MATHEMATICS APPLIED MATHEMATICS APPLIED MATHEMATICS PURE MATHEMATICS BACHELOR OF MATHEMATICS BACHELOR OF MATHEMATICS BACHELOR OF MATHEMATICS	45 58 43 62 62 62 51 51 53 8 52 67 67 67	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN GEOGRAPHY  HUMAN SERVICES  OCCUPATIONAL HEALTH & SAFETY	55 46 68 69 65 68 66 58 66 66 69 69 57 57 57 57 57
BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES  GLOBAL SUSTAINABLE DEVELOPMENT  INTERNATIONAL RELATIONS  BACHELOR OF JOURNALISM  BACHELOR OF LAWS  BACHELOR OF LAWS  BACHELOR OF MATHEMATICS  APPLIED MATHEMATICS  APPLIED STATISTICS  PURE MATHEMATICS  BACHELOR OF MATHEMATICS  BACHELOR OF MATHEMATICS  APPLIED STATISTICS  PURE MATHEMATICS  BACHELOR OF MATHEMATICS AND  FINANCE (HONOURS)	45 58 43 62 62 62 51 51 51 38 52 67 67 67 67	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN GEOGRAPHY  HUMAN SERVICES  OCCUPATIONAL HEALTH & SAFETY  SOCIOLOGY  BACHELOR OF SOCIAL WORK	55 68 69 69 65 66 66 66 66 69 69 57 57 57 57 57
BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES  GLOBAL SUSTAINABLE DEVELOPMENT  INTERNATIONAL RELATIONS  BACHELOR OF JOURNALISM  BACHELOR OF LAWS  BACHELOR OF LAWS  BACHELOR OF MATHEMATICS  APPLIED MATHEMATICS  APPLIED MATHEMATICS  PURE MATHEMATICS  BACHELOR OF MATHEMATICS AND  FINANCIAL PLANNING  MATHEMATICAL ECONOMICS  QUANTITATIVE AND COMPUTATIONAL	45 58 43 62 62 62 51 51 51 38 52 67 67 67 67 68 68	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN SERVICES  OCCUPATIONAL HEALTH & SAFETY  SOCIOLOGY  BACHELOR OF SOCIAL WORK  BACHELOR OF SPORT	55 46 68 69 65 66 66 68 66 66 69 69 43 57 57 57 57 57 57 57
BACHELOR OF EXERCISE SCIENCE & REHABILITATION  BACHELOR OF GEOGRAPHY  BACHELOR OF HEALTH & PHYSICAL EDUCATION  BACHELOR OF INFORMATION TECHNOLOGY  NETWORK DESIGN & MANAGEMENT  WEB DESIGN & DEVELOPMENT  BACHELOR OF INTERNATIONAL STUDIES  GLOBAL SUSTAINABLE DEVELOPMENT  INTERNATIONAL RELATIONS  BACHELOR OF JOURNALISM  BACHELOR OF LAWS  BACHELOR OF LAWS  BACHELOR OF MATHEMATICS  APPLIED MATHEMATICS  APPLIED MATHEMATICS  PURE MATHEMATICS  BACHELOR OF MATHEMATICS  BACHELOR OF MATHEMATICS  APPLIED STATISTICS  PURE MATHEMATICS  BACHELOR OF MATHEMATICS AND  FINANCIAL PLANNING  MATHEMATICAL ECONOMICS	45 58 43 62 62 62 51 51 38 52 67 67 67 67 68	BACHELOR OF PSYCHOLOGY (HONOURS)  BACHELOR OF PUBLIC HEALTH  BACHELOR OF SCIENCE  ATMOSPHERIC SCIENCE  BIOMOLECULAR PHYSICS  CELL & MOLECULAR BIOLOGY  CHEMISTRY  ECOLOGY & CONSERVATION BIOLOGY  ENVIRONMENT  ENVIRONMENT & HERITAGE MANAGEMENT  GEOLOGY  HUMAN GEOGRAPHY  MARINE SCIENCE  PHYSICAL GEOGRAPHY  PHYSICS  PHYSICS & MATHEMATICS  BACHELOR OF SCIENCE EDUCATION  BACHELOR OF SOCIAL SCIENCE  CRIMINOLOGY  HUMAN GEOGRAPHY  HUMAN SERVICES  OCCUPATIONAL HEALTH & SAFETY  SOCIOLOGY  BACHELOR OF SOCIAL WORK  BACHELOR OF SPORT	55 68 69 65 68 66 58 66 69 69 43 57 57 57 57 57 57 57 57 57

RISK MANAGEMENT AND INSURANCE

INDUSTRY 4.0

CYBER NETWORK SECURITY

Law double d	legrees
--------------	---------

52

52

52

52

53

53

53

53

53

53

53

53

53

53

Browse all double degrees at <b>uow.info/double</b>
BACHELOR OF ARTS - BACHELOR OF LAWS
BACHELOR OF ARTS (PSYCHOLOGY) - BACHELOR OF LAWS
BACHELOR OF ARTS IN WESTERN CIVILISATION – BACHELOR OF LAWS
BACHELOR OF BUSINESS - BACHELOR OF LAWS
BACHELOR OF COMMUNICATION & MEDIA - BACHELOR OF LAWS
BACHELOR OF COMPUTER SCIENCE - BACHELOR OF LAWS
BACHELOR OF CREATIVE ARTS - BACHELOR OF LAWS
BACHELOR OF ECONOMICS & FINANCE - BACHELOR OF LAWS
BACHELOR OF ENGINEERING (HONOURS) - BACHELOR OF LAWS
BACHELOR OF INFORMATION TECHNOLOGY

**BACHELOR OF INTERNATIONAL STUDIES -**

BACHELOR OF PSYCHOLOGICAL SCIENCE -

**BACHELOR OF LAWS** 

BACHELOR OF SCIENCE -

**BACHELOR OF POLITICS,** PHILOSOPHY AND ECONOMICS -

BACHELOR OF JOURNALISM -

BACHELOR OF MATHEMATICS -

# Browse by study area

Business	
Accounting, Finance & Economics uow.info/acc-fin-econ	
Business, Marketing & Management uow.info/bus-mark-manage	
Communications & Creative Arts	
Communications & Media	
Creative & Performing Arts uow.info/create-perform	
Education	
Education uow.info/education	
Health & Medicine	
Health uow.info/health	
Medical Science uow.info/medical-science	
Nursing uow.info/nursing	
Law & Society	
Humanities & Human Enquiry uow.info/humanities	
Law uow.info/law	
Literature & Language uow.info/lit-lang	
Psychology & Human Behaviour uow.info/psych-behaviour	
Social Sciences & Advocacy uow.info/social-sciences	
Science, Technology, Engineering & Maths	
Computer Science & Information Technology uow.info/comp-sci-it	
Engineering uow.info/engineering	
Environmental & Biological Sciences uow.info/enviro-bio-sciences	
Maths, Physics & Chemistry	

uow.info/maths-physics-chemistry

69

69

55 43

# Business

#### WHY STUDY BUSINESS AT UOW

Stay ahead of an increasingly competitive and global business environment by accessing the latest knowledge and acquiring industry-relevant skills with UOW. As a UOW business graduate. you will be highly sought after by employers, with over 91.4 per cent of UOW business students gaining employment within four months of graduating\*.

\*QILT Graduate Outcomes Survey 2018-2020

#### AMONG THE BEST IN THE WORLD

In the 2020 Times Higher Education World University Rankings by Subject, UOW ranks among the top 250 universities for Business and Economics.

UOW also ranks among the top 250 universities in the world for Business and Management Studies, Accounting and Finance and Economics and Econometrics in the QS World University Rankings by Subject 2021.

UOW was recognised among top 5 per cent of business schools in the world, with an international accreditation from the Association to Advance Collegiate Schools of Business.

#### CAREERS

Accountant Advertising executive

Analyst Auditor

Banker Brand/product manager

Business adviser Event manager

Exporter/importer Financial controller Fund manager

HR manager Consultant

Insurance broker Market researcher

OHS officer Policy advisor

Stockbroke

Public relations Coordinato

#### STUDY AREAS

ACCOUNTING, FINANCE & ECONOMICS **BUSINESS, MARKETING & MANAGEMENT** 



# Accounting, Finance & Economics

From building successful businesses to informing government policy, Accounting, Finance and Economics at UOW will equip you with knowledge that is the basis for successful decision-making and problem solving. Our curriculum is tied to the real business world and our degrees are recognised by professional associations in Australia as well as overseas, with our degrees ranking among the top 250 in the world.\* You will have internship opportunities that count as credit towards your degree and ensure you graduate with experience employers are looking for.

\*UOW's ranking for Accounting and Finance in the QS World University Rankings by Subject 2021.

#### **Bachelor of Business**

CAMPUS	
<b>W</b> Wollongong	Southern Sydney
South Western Sydney	<b>®</b> Bega
Shoalhaven	
DURATION	STARTS IN
3yrs	Session 1 (February), Session 2 (July)
	W Wollongong South Western Sydney South Western Sydney DURATION

Scholar available

The Bachelor of Business offers a foundation year that covers all core disciplines of business, giving students a solid understanding of issues facing business today. The degree is designed for students who would like to major in one or more of the principal areas of business. You will receive relevant industry-driven content and a firm foundation in the principles of ethical business, preparing you to succeed in your chosen career, and for the next generation of leadership roles.

In every major, you will do a final-year capstone subject that lets you apply everything you've learnt in collaboration with students from other disciplines. Plus, you have the option of applying for an internship to gain valuable experience while receiving credit towards your degree.

IM The Bachelor of Business can form the first three years of a UOW Integrated Master's, allowing you to complete your Bachelor of Business and a Specialised master's degree in four years. Refer to business.uow.edu.au for

#### Majors

#### ACCOUNTANCY S M W W S S S

PROFESSIONAL RECOGNITION

Graduates are eligible for membership of CPA Australia, Chartered Accountants ANZ, the Institute of Public Accountants (IPA), and the Association of Chartered Certified Accountants (ACCA).

For more information visit business.uow.edu.au/accreditation

Accountancy is about providing reliable, timely and accurate information for decision-makers, especially for economic decisions. Topics include financial reporting, auditing, management accounting and information systems in accounting. You will learn about financial accounting in its organisational, social and political contexts as well as study relevant law subjects (including taxation law and law of business organisations) to be eligible for associate membership of professional accounting bodies.

#### ECONOMICS SIM W

Economists are interested in the behaviour of consumers and business firms, the labour market, health care, the environment, technology and innovation, economic growth and development, monetary and fiscal policy, international trade and finance, and their impact on the global economy

You will study both macroeconomic and microeconomic theory with an emphasis on policy and its effect on working economies. You will look at what determines supply and demand for various goods and services, how prices are determined, consumption and investment patterns, international influences on the economy, the role of government within the economy, and money and interest rates

#### FINANCE SIM W

PROFESSIONAL RECOGNITION

The Bachelor of Business (Finance) has been accepted into the CFA Institute Affiliation Program

Graduates are eligible to apply for membership of the Financial Services Institute of Australasia (FINSIA).

#### For more information visit business uow.edu.au/accreditation

Finance is about money and investments. People, partnerships, companies and other entities (including state and federal governments) have a common objective of profitable investment. You will learn the theoretical knowledge and tools demanded by employers in all sections of the world economy: investment, financial markets, financial modelling and portfolio analysis. You will explore corporate finance, including financial strategies, security analysis and portfolio management.

#### FINANCIAL PLANNING SIM W

PROFESSIONAL RECOGNITION

The Bachelor of Business (Financial Planning) is an approved degree by the national Financial Adviser Standards and Ethics Authority (FASEA). Graduates of the program are also eligible for entry into the Certified Financial Planner® Certification Program offered by the Financial Planning Association.

#### For more information visit business.uow.edu.au/accreditation

Financial planners must have an understanding not only of finance but of accounting, management and marketing. Financial planning is the design of specific financial outcomes that meet a client's unique needs and objectives, given their financial resources and risk profile. You will investigate securities and the market they operate in as well as theories of the market and the equilibrium prices of securities. You will learn how to assess investments, and the method for identifying the best financial product for a client, with particular attention to their risk profile.

#### Bachelor of Economics and Finance

CRICOS	CAMPUS	
075271A	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:5, S:5)	3yrs	Session 1 (February), Session 2 (July)

#### PROFESSIONAL RECOGNITION

The Bachelor of Economics and Finance has been accepted into the CFA Institute Affiliation Program. For more information,

#### visit business.uow.edu.au/accreditation

Economics is about the big picture - how a country, region or particular market is operating. Finance takes a more microscopic look at industry risk and return on investment. The two disciplines complement each other, giving you a more complete picture of the business world and opening many doors to sought-after careers.

This degree is for high-achievers. As a graduate of the degree you will be able to identify and apply the tools of analysis to a wide range of economic issues. including the behaviour of consumers and firms, the labour market, the environment, fiscal and monetary policy, and international trade.

Your final year culminates with an exciting applied research project capstone subject. This is a practical learning opportunity that offers a workplace-based project, or more traditional research-based project.

#### RELATED COURSES

BACHELOR OF BUSINESS INFORMATION SYSTEMS	60
BACHELOR OF MATHEMATICS AND FINANCE (HONOURS)	67
DOUBLE DEGREE OPTIONS	30

# Business, Marketing & Management

Learn sought-after skills that can be applied to your chosen industry anywhere in the world. Studying at UOW means you will earn your degree from a business school ranked among the top 5 per cent in the world.\* UOW Business students learn from a modern curriculum that teaches business theory and applies it to everyday business contexts. You will benefit from UOW's international business links and have the opportunity to put your university knowledge in to practice through an internship, while receiving credit towards your degree.

\* UOW was recognised among top 5 per cent of business schools in the world, with an international accreditation from Association to Advance Collegiate Schools of Business

#### Bachelor of Business Administration

CRICOS	CAMPUS					
102886H	Wollongong	Southern Sydney				
	South Western Sydney Sy Shoalhaven	Bega				
IELTS	DURATION	STARTS IN				
Overall: 6 (R:6, W:6, L:5, S:5)	3yrs	Session 1 (February), Session 2 (July)				

The Bachelor of Business Administration offers a broad education across key aspects of the business environment including accounting, economics, finance, management and marketing. You are able to tailor your studies by selecting subjects according to your interests and career aspirations. You will develop a comprehensive knowledge of business and organisations, and the skills to analyse business issues in local, national and international contexts. You will also undertake a final-year capstone subject that lets you apply everything you've learnt in collaboration with students from other disciplines Plus, you have the option of applying for an internship to gain valuable experience while receiving credit towards your degree.

IM The Bachelor of Business Administration can form the first three years of a UOW Integrated Master's, allowing you to complete your Bachelor of Business Administration and a specialised master's degree in four years. Refer to **business.uow.edu.au** for further information.

#### **Bachelor of Business**

CRICOS	CAMPUS	
102881B /102882A S	<b>W</b> Wollongong	Southern Sydney
	South Western Sydney Sy Shoalhaven	Bega
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:5, S:5)	3yrs	Session 1 (February), Session 2 (July)

#### Scholar available

The Bachelor of Business offers a foundation year that covers all core disciplines of business, giving students a solid understanding of issues facing business today. The degree is designed for students who would like to major in one or more of the principal areas of business. You will receive relevant industry-driven content and a firm foundation in the principles of ethical business, preparing you to succeed in your chosen career, and for the next generation of leadership roles.

In every major, you will do a final-year capstone subject that lets you apply everything you've learnt in collaboration with students from other disciplines. Plus, you have the option of applying for an internship to gain valuable experience while receiving credit towards your degree.

IM The Bachelor of Business can form the first three years of a UOW Integrated Master's, allowing you to complete your Bachelor of Business and a Specialised master's degree in four years. Refer to business.uow.edu.au for further information.

#### Majors

#### BUSINESS ANALYTICS S IM W

Business Analytics focuses on the collection of data and development of data sets, data analysis, and the interpretation and effective communication of insights gained from data to inform strategic organisational decisions You will learn how to analyse large volumes of data to support decision making across all areas of business. You will gain an understanding of data management concepts and processing of relational data with Structured Query Language (SQL), the concepts of data confidentiality and security, modelling techniques to analyse contemporary finance and economics issues, and techniques that can be used to measure marketing effectiveness.

#### BUSINESS LAWS IM W

Understanding the context, application and the impact of law on the structures and transaction of business is crucial to business innovation. Business Law encompasses many overlapping fields, ranging from specific regulatory frameworks to corporate governance. Fields you can focus on include international business law, banking and taxation law, employment and anti-discrimination law, work health and safety law, and media law.

#### HUMAN RESOURCE MANAGEMENT S IM W

PROFESSIONAL RECOGNITION

The Human Resource Management major is accredited by the Australian Human Resources Institute. For more information, visit business.uow.edu.au/accreditation

People are an organisation's most valuable resource. Human Resource Management (HRM) is concerned with finding the right people for an organisation and, having employed them, nurturing them so that they want to stay and perform to the best of their abilities. Specific focus is placed on the acquisition and development of employees, positively influencing their employment performance while monitoring and managing the processes of staff selection, retention and turnover.

HRM examines specific people management practices, such as recruitment and selection, organisational behaviour, employee relations, management of change, learning and development, and workplace health and safety management.

#### INTERNATIONAL BUSINESS S IM W

International Business is about understanding business in other cultures and regions, and learning how to think globally about the business world. You will learn how to manage across cultural boundaries in an international business context, having gained knowledge of international human resource management and trade environments. You'll improve your understanding of leadership, strategy, cultural diversity, communications and decision-making as they relate to contemporary international business issues.

#### MANAGEMENT S IM W SW S BC SV

Management is the art and science of planning, coordinating and leading group efforts. It is the mobilising of human and material resources to achieve organisational goals. You will learn how to strategically manage both physical and intangible assets for organisational success and employee wellbeing. You will do this by gaining a sound understanding of the framework of organisational structures, including the local and international environments in which they operate.

#### MARKETING S IM W 🚳

Graduates may be eligible to apply for membership of the Australian Marketing Institute (AMI) and the Australian Market and Social Research Society (AMRS) and The Communication Council (TCC).

For more information visit business.uow.edu.au/accreditation

Marketing encompasses the activities and processes for creating, communicating and delivering products and services. This includes facilitating relationships to deliver value for consumers, clients and society. It's about everything from establishing who the customer is to developing a competitive advantage by effectively positioning products and services in the market. You will study how consumers behave, how organisations find out about their markets and the customers in those markets, how to create effective marketing communications campaigns, and how organisations manage marketing successfully

#### PUBLIC RELATIONS S IM W

PROFESSIONAL RECOGNITION

Graduates may be eligible to apply for membership of the Public Relations Institute of Australia (PRIA).

For more information visit business.uow.edu.au/accreditation

Public Relations (PR) is about managing information between private and public spaces - between organisations and stakeholders, individuals and the public, or a combination of these. The key is effective communication and the way this information is planned and executed. You will learn how to communicate effectively with internal and external stakeholders using a range of media. A PR major teaches you how to evaluate the cultural and organisational contexts, key trends and ethical issues influencing contemporary PR, and to critically evaluate the role of PR in society and

#### SPORT MARKETING AND MANAGEMENT S IM W

PROFESSIONAL RECOGNITION

Sport Marketing and Management examines the sports industry from behind the scenes, looking at business and consumer relationships, the leadership and promotion of sporting careers and the organisation and advancement of sporting businesses. In this major you will develop the skills to lead and manage sporting careers and businesses, and gain insights into how successful sport management organisations should be designed and run. You will learn how marketing principles can develop the operations of sport organisations and how sport is used by sponsors to enhance their brand. You will have the opportunity to gain professional experience through an internship with a sporting organisation, or work on a research project to solve a real-world business issue presented by one of our sports industry partners.

#### SUPPLY CHAIN MANAGEMENT S IM W

PROFESSIONAL RECOGNITION

Graduates may be eligible for membership of the Supply Chain & Logistics Association of Australia (SCLAA); and the Logistics & Supply Chain Management Society Singapore (LSCMS).

For more information, visit business.uow.edu.au/accreditation

Supply Chain Management revolves around the entire life cycle of a product or service, from before it is made, to how it is disposed of, and how it moves between each stage. As well as goods and services, supply chain managers analyse and manage information from the suppliers, through intermediaries,

You will learn the principles and tools associated with operations management and continuous quality improvement. You will also gain an understanding of total supply chain management and have the opportunity to specialise in a number of areas, such as logistics, operations, systems thinking, continuous quality improvement and supply chain strategies.

#### RELATED COURSES

BACHELOR OF COMMUNICATION & MEDIA (DIGITAL AND SOCIAL MEDIA)	38
BACHELOR OF COMMUNICATION & MEDIA (MARKETING, COMMUNICATION AND ADVERTISING	38
DOUBLE DEGREE OPTIONS	30

#### INTEGRATED MASTERS

This four-year study option combines an undergraduate degree and a postgraduate degree to allow you to complete both degrees within a shorter timeframe. The degrees are completed consecutively, so that after successful completion of the bachelor's degree, you will receive a transfer of course credits that will allow you to complete your master's degree in a shorter time, and for less cost.

Visit: uow.info/integrated-masters



















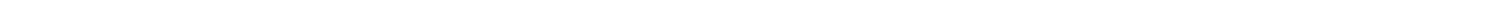












# Communications & Creative Arts

#### WHY STUDY COMMUNICATIONS & CREATIVE ARTS AT UOW

Put yourself at the forefront of rapidly changing industries with a relevant, current and internationally focused UOW degree. You will undertake practise-based learning using specialist equipment and studios, and have internship opportunities in real workplaces, so that you will graduate with a portfolio that you can present to future employers and clients.

#### THE BEST IN AUSTRALIA

The Australian government's 2020 Quality Indicators for Learning and Teaching (QILT) ranked UOW number one in Australia for

UOW ranked among the top 200 universities in the world for Communications and Media Studies in the QS World University Rankings by Subject 2021.

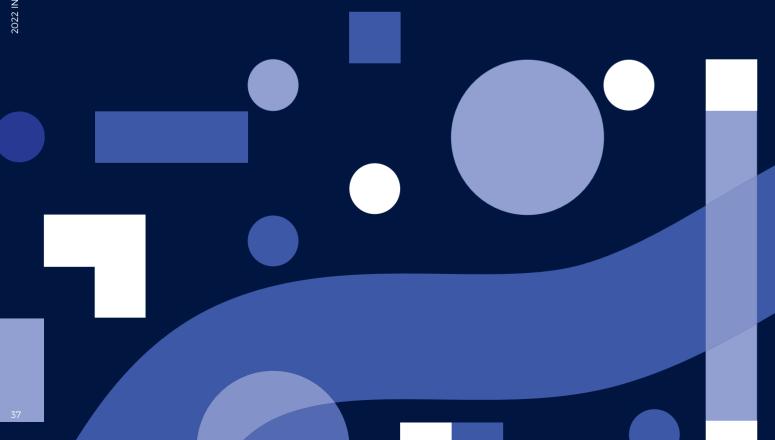
7 10 201	
Communication specialist	Marke
Copywriter	Media
Creative director	Media
Curator	Photo
Digital game designer	Public

- v officer Digital media manager Screen writer Editor Social media manager Event coordinator Stage manager
- Feature writer Theatre director Film & television producer Web designer Graphic designer
- Journalist STUDY AREAS

COMMUNICATIONS & MEDIA	38
CREATIVE & PERFORMING ARTS	39

researcher

strategist



# Communications & Media

In this increasingly connected and digital world, self-driven communicators with media skills and experience are in demand. When you study communications and media at UOW, you'll develop a broad range of skills that are tailored to meet the demands of employers. Through internship opportunities and access to UOW's specialist equipment and facilities, you will learn to research and communicate with different audiences for different purposes. You will graduate with a portfolio of work and experience informed by up-todate industry knowledge, from a University ranked in the top 200 in the world for Communications and Media Studies.\*

\* 2021 QS World University Rankings by Subject

#### Bachelor of Communication & Media

CRICOS	CAMPUS	
094791G/094792G DS	Wollongong	
094791G	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)
De Doan's Scholar available		

DS Dean's Scholar available

The Bachelor of Communication and Media offers you a strong foundation in the global communication and media industry. This degree has a focus on preparing you for global careers, and places emphasis on high-level skills in media production, communication research and independent project work.

This degree is designed for careers in digital and social media, visual communication design, journalism, screen media production, marketing, advertising and public relations. You will be immersed in the study and practice of media and communication, and gain flexible and transferable skills that will prepare you for the changing world of global media culture.

If you are a high-achieving and motivated student, the Dean's Scholar option provides you with an enriched educational experience. The program includes a member of academic staff to advise you on matters relating to the degree. You will receive an annual book allowance, benefit from your own designated study space in the faculty and produce a major self-directed research project as a capstone to your degree

#### Majors

#### DIGITAL AND SOCIAL MEDIA DS @ @

Media and communication messages are distributed across many digital platforms, including the internet, television, radio, public relations, mobile technologies, movies and music. Digital technologies underpin all sectors of the contemporary communications environment, and the internet revolution has brought to life a new ecology of networked digital media, radically changing the way we work, play and communicate.

This major will enable you to build a range of industry-valued skills in digital media production, innovation, entrepreneurship, and high-level critical and creative thinking. You will work with a variety of media technologies. and test your ideas with real-world media projects. You will graduate as a digital media professional, proficient in content production, curation and analysis. This major will prepare you for a career in social media, digital communication and creative entrepreneurship.

#### GLOBAL SCREEN MEDIA DS W

Global Screen Media combines a practical focus on screen production with critical thinking and analysis of the global political and social justice issues that shape contemporary media practice. With a strong focus on social justice, this major addresses the power of media communication and its influence on global debates and issues ranging from climate change and war to global inequalities and the movement of refugees. We look at how people negotiate global media in everyday life and at the political, social and cultural dimensions of global media industries. This major strengthens your skills in negotiating cultural differences and prepares you for a globalised workplace.

#### JOURNALISM DS W

Journalists gather, analyse and present information to inform, engage and entertain a variety of audiences across different media platforms

With this in mind, the Journalism major has multimedia production at its heart. This major will equip you with in-demand multimedia journalism knowledge and skills that can be applied in many different industry contexts. You will work on news and long-form journalism, and will explore a range of events and issues with the goal of publication across the program's social media and website

#### MARKETING, COMMUNICATION AND ADVERTISING DS W

The fields of marketing, communication and advertising deliver coordinated messages about products and services through various channels, such as television, radio, social media and experiential activities. Their aim is to help people make informed choices and influence how they think, feel and

The Marketing, Communications and Advertising major will prepare you for a career in advertising, public relations and corporate branding. You will be able to research, plan, execute and manage marketing campaigns. You'll also acquire skills in issue management, communications technology, product publicity, crisis communications and media relations.

#### VISUAL COMMUNICATION DESIGN DS W



#### Bachelor of Journalism

design practice.

CRICOS	CAMPUS	
058983K	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	3yrs	Session 1 (February)

Journalism and reporting is an evolving industry that encompasses a multitude of media, including print, video, audio, web and social media to inform, engage and entertain. Journalists have highly-honed research, investigation and writing skills and are able to convey a compelling story gathered from various sources

The Bachelor of Journalism at UOW provides in-depth hands-on training in journalism, converging media (audio, video, web, mobile), digital communication and multimedia storytelling. It has a strong professional focus and an emphasis on practical learning, with studio-based studies in multimedia content production. You will learn to research, produce and present informative, entertaining and timely multimedia stories in short and long-form, including podcasting and webcasting. As part of this degree, you will work independently and collaboratively.

You'll be part of the UOWTV Multimedia student newsroom and produce coverage for its website, YouTube channel and social media platforms. You will have real deadlines and will engage with community and industry. You will also explore and innovate within journalism's changing environment. including podcasting, data journalism and immersive video.

In the Bachelor of Journalism you are able to complete a major or two minors from a multi-disciplinary list.

#### RELATED COURSES

BACHELOR OF BUSINESS (MARKETING)	
BACHELOR OF BUSINESS (PUBLIC RELATIONS)	36
BACHELOR OF CREATIVE ARTS (VISUAL ARTS & DESIGN)	39
DOUBLE DEGREE OPTIONS	30

# Creative & Performing Arts

The creative industry is one of the fastest-growing, most dynamic sectors in the world. Studying creative arts at UOW equips you with knowledge of contemporary arts, art theory and history. You'll learn from professional artists, published authors, respected playwrights, performers, actors, musicians and designers. Your teachers will inspire you to develop your skills and cultivate your own creative identity.

#### **Bachelor of Creative Arts**

DS Dean's Scholar available

	CRICOS	CAMPUS	
	094791G/094792G DS	<b>W</b> Wollongong	
	IELTS	DURATION	STARTS IN
)	Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February)

A Bachelor of Creative Arts at UOW will allow you to immerse yourself in the creative sector: one of the fastest-growing, most dynamic industries in the world. This degree prepares you to become part of the global creative industries and a community as passionate about self-expression as you are. A creative arts degree equips you with a sound knowledge of contemporary arts, arts theory and history within Australia, and how that fits within an

international context, reflecting on social, cultural and ethical issues.

The Bachelor of Creative Arts involves the study of theory and practice-based work in the following major study areas: Creative Writing, Music, Visual Arts or Visual Arts and Design.

#### Majors

#### CREATIVE WRITING DS W

In the digital age, writing is becoming increasingly central to the way we communicate with each other. Creative Writing teaches skills and strategies so your writing is strong and clear. It helps you express ideas in imaginative ways that will impact your readers. Creative writers work in a range of areas: poetry, editing, writing for multimedia, commercial and content writing, commercial theatre and performance, short stories and novels – or even in ways that combine or challenge these forms. Creative writers might write to entertain or to educate – but they're always drawing on the human condition, exploring what it means to be human. Core subjects will teach you the foundation for editing, writing across borders, genre and form, contemporary theory, and research practice. These core skills, accompanied by the skills and knowledge acquired in a second major or a minor in a related field, will broaden career options within the arts and communication industries.

#### MUSIC DS W

The study of music integrates physical, intellectual and emotional aspects, including instrumental or vocal performance, composition, music production and recording, history, and theory. This major offers a deeper understanding of how music works, as well as the skills to develop as a creative practitioner and prepare for a career in the arts. This is a versatile, hands-on degree that prepares you for a career in the global creative industries. With a strong focus on contemporary music practice, this major combines performance, composition and both electronic and acoustic media so you can build your skills and expertise across three interrelated areas: music studio, audio production and critical studies in music.

#### VISUAL ARTS DS W

The Visual Arts major will allow you to explore diverse materials, processes and practices in an intensive, hands-on environment.

You'll draw on a range of established and emerging studio practices – both analogue and digital – such as 2D to object and time-based works. This major equips you with a sound knowledge of contemporary art practices, as well as art history. It also offers you the opportunity to take minors and electives that broaden your career opportunities, such as creative writing, media arts, technical theatre, music production, photography, or English literatures or languages. You will work towards a major exhibition by the end of your degree and are encouraged to participate in Student Initiated Projects (SIPS).

#### VISUAL ARTS & DESIGN DS W

The Visual Arts and Design major is for those who love not only painting and creating, but also designing for real-world environments. The course will develop your skills in traditional areas, such as painting and drawing, print-making and photography, and sculpture and textiles. You will also learn contemporary digital design skills, including visual communication design, innovations in design practice and interface design – all underpinned by learnings in history and theory. This dynamic major offers extensive studio time, while equipping you with the design skills essential for success in the contemporary arts and creative industries.

The structure of the course is based on a common creative arts first year, followed by parallel studies in Visual Arts and Design. This will lead to a capstone project-based subject, which brings together both fields of study. You will also take part in a major showcase and public exhibition by the end of your degree. Student work is exhibited throughout the year.

#### Bachelor of Performance and Theatre

CRICOS	CAMPUS	
099430D	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:5, S:5)	3yrs	Session 1 (February)
<b>~</b> • • • • • • • • • • • • • • • • • • •		

DS Dean's Scholar available

The Bachelor of Performance and Theatre at UOW seeks to prepare you for a career in the performing arts and broader creative industries. You will learn the techniques, strategies and processes of contemporary theatre-making and performance in a range of contexts. Complementing the practical aspects of your degree, you will undertake core subjects in the history and theory of theatre, as well as core subjects including professional practice. You will also have the opportunity to undertake electives or a minor study in associated areas such as stage management and sound and lighting design, as well as creative writing, audio production or media arts among others. All students participate in producing and performing in their own productions throughout their degree, thereby gaining industry-relevant experience.

#### Majors

#### ACTING DS W

Undertaking the Acting major will see you develop as a self-reliant and highly-skilled performing artist through UOW's practice-based program. You will learn to apply acting skills and theoretical knowledge to contemporary performance and theatre. Subjects will cover traditional interpretive actor training, crafting your skills in acting, voice, singing and movement, with a focus on contemporary playwriting and devised works for theatre and performance. You will be involved in the development, rehearsal and performance of theatre productions, allowing you to mature as an actor as you work with a range of methodologies and theatre genres.

#### ADDITIONAL ENTRY REQUIREMENT'

Entry into this major is based on a combination of both academic results and audition scores. All applicants are required to audition to demonstrate their talents and potential to benefit from the course. Audition dates and information, including the registration form, are available from:

ao.uow.edu.au/audition

#### THEATRE DS W

Studying Theatre will help you explore the many possibilities of creating theatre for diverse audiences in both regional and urban settings. It considers all the elements of theatre-making (stage-craft, dramaturgy, stage management and performance-making) in order to communicate content, atmosphere and impact. You will also receive an introduction to lighting and sound design, and discover how theory and history will shape your development as an informed, professional and self-reliant practitioner.

#### Bachelor of Arts

CRICOS	CAMPUS	
000612E/081889E DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

#### DS Dean's Scholar available

A creative major within the Bachelor of Arts is recommended for students who have an interest in multiple areas and would like to broaden the scope of their study. This cross-discipline degree will give you new perspectives on approaching ideas and problems, and expand your career options as you finish your studies.

You will graduate with an interdisciplinary focus and the practical skills to solve real-world problems.

By undertaking a Bachelor of Arts and majoring in a creative discipline you will complete your degree with fewer credit points than required for a major in the Bachelor of Creative Arts.

All students studying the Bachelor of Arts must elect one major and a minor or a second major from the Faculty of the Arts, Social Sciences and Humanities.

#### Majors

#### CREATIVE WRITING DS W

Students doing this creative major will learn the skills and strategies to develop strong and clear writing styles. Creative writing helps you develop techniques to express ideas in imaginative ways that will impact readers. This major will also teach you to think about your story, image and scene. Creative writers draft and re-draft so their work is at its best, and this process is exciting. Creative writers might write to entertain or to educate – but they always draw on the human condition, exploring what it means to be human. Core subjects will teach you the foundations of editing, writing across borders, genre and form, contemporary theory, and research practice.

As well as your Creative Writing major, you must elect a minor or a second major from the Faculty of the Arts, Social Sciences and Humanities. Creative Writing pairs well with a major in English Literatures, Languages, Indigenous Studies or Philosophy.

#### PHOTOGRAPHY DS W

Studying Photography at UOW will develop your understanding of traditions and concepts relevant to photography in historical, theoretical and contemporary visual art contexts. You will develop your own style through creative processes, conceptual skills and applying your knowledge into practice. During your studies, you will develop your skills utilising analogue and digital technologies in diverse studio subjects, including digital photography and Photoshop, darkroom processes and printing, studio lighting (portraiture and still life), fieldwork site and context, photoassemblage and series, and photography in the expanded field of new technologies (including audio and the moving image).

#### WRITING & ENGLISH LITERATURES DS W

Writing and English Literatures allows you to combine your love of writing with the analytics of literature. English Literatures will challenge you to think creatively about the English language and give you the knowledge and understanding to express these thoughts and ideas through your own creative writing. A major in Writing and English Literatures focuses on the study of literature from various periods and literary practice, and the practical application of this study through creative writing. You will be exposed to a wide range of texts, which will allow you to develop analytical skills, critical understanding and the ability to create your own pieces of writing.

Core subjects will introduce you to creative writing and English literature through workshop-based writing classes, as well as classes focusing on the romantics, the modernists, Shakespeare and early modern drama.

#### RELATED COURSE

BACHELOR OF COMMUNICATION & MEDIA (VISUAL COMMUNICATION DESIGN)	38
DOUBLE DEGREE OPTIONS	30































You'll enjoy an accredited, authentic learning experience when you study education at UOW.

Learn from academics who are at the forefront of their specialisation with strong ties to community organisations and government bodies. UOW is one of few universities that provides support throughout your high-quality professional experience placements, allowing you to build relationships within the education sector and put your theoretical knowledge into practice.

#### AMONG THE BEST IN THE WORLD

UOW ranked in the top 150 universities in the world for Education in the 2021 Academic Ranking of World Universities (ARWU) by subject.

UOW Education has been ranked among the world's top 200 in the 2021 Times Higher Education World University Rankings by Subject, and the 2021 QS World University Rankings by Subject.

#### **CAREERS**

- Child care worker
- Educational consultant
- Educational manager
- ESL teacherHigh school teacher
- Outdoor education
- teacher
- PDHPE teacherPreschool teacher
- Prescriboliteaci
- Primary teacher

- Private college teacher
- School counsellor
- School principalSpecial education teacher
- TAFE teacher
- Training & development officer
- School teacher –
   Catholic, independent or government

#### STUDY AREAS

**EDUCATION** 

42



# Education

Shape the minds of future generations with a UOW degree in Education. There are very few other professions where you can have such a profound impact on the lives of so many young children and their families. An Education degree at UOW equips students with the skills and qualification to not only play a huge role in the social, cognitive and emotional development of students, but to become an integral and respected member of the community. Your degree will be highly regarded by employers, with UOW ranking in the top 150 universities in the world for Education in the QS World University Rankings by Subject 2020.

#### PROFESSIONAL EXPERIENCE

All UOW undergraduate education courses involve placement in schools and early childhood care centres as part of the Professional Experience component.

Professional teaching experience is integrated into each degree and usually occurs in Illawarra, Shoalhaven, South West Sydney, Southern Highlands and Southern Sydney schools. There are also opportunities for students to apply for 'out-of-area' Professional Experiences (e.g. in rural NSW).

Please note: Professional Experience is a compulsory component embedded in our undergraduate education courses and the Master of Teaching (Primary/Secondary) degree. Therefore, it is an expectation that students who participate in these courses are capable of meeting the demands of navigating their own way to, from and around the Professional Experience contexts.

#### WORKING WITH CHILDREN CHECKS

Under the Child Protection (Working with Children) Act 2012, and the Child Protection (Working with Children) Regulation 2013, students enrolled in UOW education degrees, doing professional experience placements in schools or other educational institutions that involve children or young people, are required to undergo a Working With Children Check (WWCC).

#### DEAN'S SCHOLAR

The Dean's Scholar is a program for high-achieving students who intend to continue their studies through honours and research degrees. As a Dean's Scholar you will make a scholarly contribution to your field of study and to UOW. You will have access to a Dean's Scholar study space, school workshops, seminars and networking events. There is also the opportunity for casual employment in the UOW Faculty of the Arts, Social Sciences and Humanities, community research or projects supervised by leading practitioners or scholars for 15 hours per year.

#### **EARLY YEARS**

#### Bachelor of Education - The Early Years

CRICOS	CAMPUS	
064117B/081896F DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7.5 (R:7, W:7, L:8, S:8)	4yrs	Session 1 (February)

DS Dean's Scholar available

#### ACCREDITATION

The Bachelor of Education - The Early Years is accredited through the Australian Children's Education & Care Quality Authority (ACECQA).

Early Years education enriches learning in children from birth to five years by giving children the opportunity to maximise their potential and develop a foundation for lifelong learning. It focuses on the significance of early education to foster children's health, development and wellbeing.

For the duration of this four-year degree you will engage in continuous professional mentoring through the Professional Partners in Practice (PPP) program. This will give you invaluable sector experience and professional connections that will enhance your employment pathways and opportunities. You will also spend up to 16 weeks teaching in Early Childhood Education and Care Centres, and two weeks in the Community and Family sector, complementary to the mentoring experience within the Professional Partners in Practice program.

During this degree you will learn about:

- The development of young children and their connection to family, community and culture
- Improving education and developmental outcomes for children
- Establishing relationships with children and families
- Cultural and social diversity
- Early intervention and transition to school
- Leadership and advocacy
- Creating physical and social learning environments

#### PRIMARY

#### Bachelor of Primary Education

	CRICOS	CAMPUS	
	092683F/092684E DS	Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 7.5 (R:7, W:7, L:8, S:8)	4yrs	Session 1 (February)

DS Dean's Scholar available H Honours Program available

#### ACCREDITATION

This degree is accredited and recognised as a national professional teaching qualification. Students seeking work outside NSW or Australia are advised to check with potential employers and other teacher registration authorities for any additional requirements. All students completing a NSW teacher education course will need to pass an approved literacy and numeracy test.

Primary teaching is a rewarding profession that can change lives. A primary teacher educates children from Kindergarten to Year 6 (ages 5 to 12 years) and teaches all areas of the Australian primary curriculum. UOW Bachelor of Primary Education graduates focus on educating the 'whole child' and promote lifelong learning in children.

This degree is a qualification for employment as a Kindergarten to Year 6 teacher in the public and independent school systems. You will learn through on-campus classes, online learning, and school and community placements. The extensive professional experience program involves placement in schools from the second year of the degree allowing you to learn by observation and apply your skills in the classroom early in your degree.

You may also have opportunities for rural professional experiences, to study overseas with UOW's international exchange and study abroad partners, and to join international cultural immersion programs.

#### HONOURS PROGRAM

In the final year of your degree, you will have the opportunity to be involved in a research project of your own choice or work with a primary education academic as part of your research. All students will receive supervision throughout their research project and will be required to complete a thesis or other form of research dissemination detailing their research project, their methods and their findings. Participation can also lead to further research opportunities as a postgraduate student.























#### **SECONDARY**

#### Bachelor of Health and Physical Education

	CRICOS	CAMPUS	
	062239G/081891M DS	WWollongong	
	IELTS	DURATION	STARTS IN
	Overall: 7.5 (R:7, W:7, L:8, S:8)	4yrs	Session 1 (February)

DS Dean's Scholar available

#### ACCREDITATION

This degree is accredited and recognised as a national professional teaching qualification. Students seeking work outside NSW or Australia are advised to check with potential employers and other teacher registration authorities for any additional requirements. All students completing a NSW teacher education course will need to pass an approved literacy and numeracy test.

This four-year degree gives you expert theory and professional experience for employment as a health and physical education teacher. You may also gain employment in educational environments such as game development officers and coaching in sports or active after-school care programs. You will learn through face-to-face delivery in classrooms, online learning and community settings.

You will study many areas of health and physical education, including movement skills, games and sports, rhythmic movement, mental health and sexuality, relationships, drug use and personal safety, curriculum and pedagogy (the method and practice of teaching), anatomy and physiology, biomechanics and educational foundations. You will also study broader complementary subjects including Aboriginal Education, Information and Communication Technology, Learners with Exceptional Needs, Educational Research, Communication, and Risk and Behaviour Management.

You will complete extensive professional experience throughout your degree with the inclusion of an internship, which allows you to learn by observation and apply your skills in the classroom. You will also have opportunities for rural professional experiences, to study overseas with UOW's international exchange and study abroad partners, and to join international cultural immersion programs.

#### Bachelor of Mathematics Education

CRICOS	CAMPUS	
051340B/069475F DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7.5 (R:7, W:7, L:8, S:8)	4yrs	Session 1 (February)

DS Dean's Scholar available

#### ACCREDITATION

This degree is accredited and recognised as a national professional teaching qualification. Students seeking work outside NSW or Australia are advised to check with potential employers and other teacher registration authorities for any additional requirements. All students completing a NSW teacher education course will need to pass an approved literacy and numeracy test.

Mathematics is a discipline central to many branches of science and commerce. Given its wide variety of applications, teaching the next generation of mathematicians requires specific skills.

This degree qualifies you to be a high school maths teacher, and focuses on developing your mathematical knowledge and professional teaching skills.

During this four-year degree you will study a combination of maths and education subjects allowing you to practically apply both disciplines throughout your degree. Mathematics subjects, including calculus, algebra, statistics and mathematical modelling are complemented with education subjects about teaching and learning strategies, including learning and development, pedagogy (the method and practice of teaching), professional teaching skills, curriculum studies and meeting learners' needs.

You will complete extensive professional experience throughout your degree with the inclusion of an internship, which allows you to learn by observation and apply your skills in the classroom. You may also have opportunities for rural professional experiences, to study overseas with UOW's international exchange and study abroad partners, and to join international cultural immersion programs.

#### Bachelor of Science Education

CRICOS	CAMPUS	
069491F/087759M DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7.5 (R:7, W:7, L:8, S:8)	4yrs	Session 1 (February)
DS Dean's Scholar available		

ACCREDITATION

This degree is accredited and recognised as a national professional teaching qualification. Students seeking work outside NSW or Australia are advised to check with potential employers and other teacher registration authorities for any additional requirements. All students completing a NSW teacher education course will need to pass an approved literacy and numeracy test.

Science education at UOW will train you to teach science effectively. As a science teacher you will teach the structure and behaviour of both the physical and natural world through observation and experiment. UOW-educated science teachers have practical teaching skills and a high-level knowledge of science.

You will complete extensive professional experience throughout your degree with the inclusion of an internship, which allows you to learn by observation and apply your skills in the classroom. You may also have opportunities for rural professional experiences, to study overseas with UOW's international exchange and study abroad partners, and to join international cultural immersion programs.

Science subjects, including biology, chemistry, earth and environmental science, and physics are complemented with education subjects about teaching and learning strategies, including learning and development, pedagogy (the method and practice of teaching), professional teaching skills, curriculum studies, and meeting learners' needs.

#### Bachelor of Sport

CRICOS	CAMPUS	
755101IB	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6.5, W:6.5, L:6, S:6)	3yrs	Session 1 (February)

The Bachelor of Sport course identifies and explores key aspects of sport and the role it plays in the community. Kicking off with foundation studies in movement, this course aims to equip students with the work ready skills and knowledge to engage with a range of sporting environments, including coaching, game development, management and operations and program delivery. Students will be encouraged to look beyond graduation, to identify career objectives, and participate in professional placements aligned to their personal goals and interests. Graduates will also have options to pursue accredited postgraduate study in education, and professional programs in sport.

# Health & Medicine

#### WHY STUDY HEALTH & MEDICINE AT UOW

As a UOW health and medicine student, you will enjoy access to modern, purpose-built facilities, and experienced clinicians and researchers, to give you skills that can be applied to real-world challenges today and in the future.

#### TOP IN AUSTRALIA

In the 2021 Good Universities Guide, UOW ranked first in Australia for Graduate Outcomes for undergraduate Medicine. Responses showed 100 per cent of graduates achieved full-time employment within four months of completing their degree.

UOW also ranked in the top 100 universities in the world for Nursing in the QS World University Rankings by Subject 2021.

UOW Life Sciences ranked among the world's top 250 in the 2021 Times Higher Education World University Rankings by Subject.

#### CAREERS

- Allied health professionalBiomedical researcher
- Community or registered nurse
- Counsellor
- Dietitian
- DoctorBiomedical researcher
- Health administrator
- Exercise scientist/
- Physiologist
- General practitioner

- Health administratorHealth promotion officer
- Health worker
- Industry health worker
- Laboratory technician
- Nutritionist
- Psychologist
- Rehabilitation specialist
- Sports administrator
- Sports rehabilitator
- Sports scientist
- Scientific researcher

#### STUDY AREAS

HEALTH	45
MEDICAL SCIENCE	47
NURSING	48



Studying Health at UOW prepares you for a career where you can have a direct, positive influence on the wellbeing of others. You'll learn from professional dietitians, doctors, exercise physiologists, medical scientists, health administrators and researchers. Peak professional bodies accredit our degrees and you will gain handson experience through clinical placement opportunities, so you can be confident you will graduate with the skills needed for a career in the health sector.

#### Bachelor of Exercise Science

CRICOS	CAMPUS	
083033D	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February)

ACCREDITATION AND PROFESSIONAL RECOGNITION

This course has full accreditation with Exercise and Sports Science Australia (ESSA). Graduates of the Bachelor of Exercise Science are eligible to apply for accreditation as Exercise Scientists with ESSA.

Exercise scientists understand the effect of exercise on human health and performance. As an exercise scientist, you will design, implement and evaluate programs of physical activity for a wide range of people within the community. You will develop exercise solutions to improve general health, prevent chronic diseases and enhance athletic performance.

Within this degree, you will learn human anatomy, physiology, exercise physiology, exercise prescription, nutrition, neuromechanics, and biomechanics from international experts in each field. You will explore the anatomical and physiological basis of human movement and the effects of exercise on childhood development, workplace and athletic performance,

You will graduate from your degree as a work-ready Exercise Scientist with meaningful industry experience. All of our students work with a UOWaffiliated business in the health or fitness industry for a minimum of 140 hours during their degree. This workplace experience gives you the opportunity to communicate your exercise science knowledge to real clients, helping them to realise their health and performance goals by developing and implementing tailored exercise programs. Your degree will prepare you for a career in the health or fitness industries; delivering or managing exercise prescription in workplaces, community health units, sports organisations, or gymnasiums. Your degree will also serve as an excellent platform for entry into postgraduate allied health or medical programs.

#### Bachelor of Exercise Science and Rehabilitation

CRICOS	CAMPUS	
016112E	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6.5, W:6.5, L:6.5, S:6.5)	4yrs	Session 1 (February)

ACCREDITATION AND PROFESSIONAL RECOGNITION

This course is accredited with Exercise and Sports Science Australia (ESSA). Graduates of the Bachelor of Exercise Science and Rehabilitation are eligible to apply for accreditation as Exercise Physiologists with ESSA.

Exercise rehabilitation is an area of allied health that uses exercise to restore good health and physical capability to people after illness or injury, or to improve the quality of life and manage physical function in people with chronic disease and physical disabilities.

You will study anatomy, physiology, exercise physiology, exercise prescription. clinical exercise physiology, clinical biomechanics, and sensorimotor control as part of your core subjects. Scientific and clinical training will improve your skills in data gathering and analysis as it applies to human movement, physiological systems integration and, most importantly, understanding the fundamental processes behind both healthy and unhealthy human bodies This scientific foundation will enable you to adapt to a variety of situations and clientele in the workplace and to develop and deliver exercise programs which cater for a wide variety of individuals with various health conditions

This degree includes a workplace experience component that requires 140 hours of practical placement in a community, sporting, scientific or commercial exercise setting, as well as an additional 360 hours of clinical workplace experience in order to gain advanced clinical training for work as an exercise physiologist.

Completion of these hours is required in order to graduate. This experience is an essential part of the learning process and will allow you to put into practice what you've learned in the course to ensure that you will be work ready for industry practice in both public facilities (hospitals) and private clinics, with a healthy as well as clinical focus.

#### Bachelor of Nutrition and Dietetics (Honours)

CRICOS	CAMPUS	
084857M	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6.5, W:6.5, L:6.5, S:6.5)	4yrs	Session 1 (February)
ACCREDITATION		

The Bachelor of Nutrition and Dietetics (Honours) has full accreditation with the Dietitians Association of Australia (DAA), making all graduates eligible for the credential of Accredited Practising Dietitian (APD). The course meets the requirements of the Nutrition Society of Australia (NSA) for graduates to register as nutrition scientists, following 3 years of relevant workplace experience after graduation

Nutritionists are scientists who attain, maintain and promote the health of the public through nutrition research, communication of nutrition information or public health forums. Dietitians are specialist nutritionists who, in addition to these research and public health roles, are accredited to work with individuals and groups to help improve their health outcomes and quality of life. This occurs in settings such as the community, hospitals, private practice, research, and food service.

The degree is designed to meet the core fields of competency defined by Dietitians Australia, including the key areas of professional practice, improving nutrition outcomes for individuals, groups and populations, critical thinking and evidence-based practice and collaboration with stakeholders. These skills can then be applied to all areas of practice including clinical dietetics in hospitals and private practice, community and public health nutrition, food service systems management, and research.

High achieving students may be offered entry into the Bachelor of Nutrition and Dietetics (Honours) (Dean's Scholar) by invitation from the Program

#### **Bachelor of Nutrition Science**

CRICOS	CAMPUS	
083034C	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February)

ACCREDITATION

The competencies for nutrition science set by the Nutrition Society of Australia (NSA) are met by the course. The course meets the requirements of the NSA for graduates to register as nutrition scientists, following three years of relevant workplace experience after graduation. The program is designed to meet the prerequisites for admission into the Masters of Nutrition and Dietetics, which is required to be eligible for the credential of Accredited Practising Dietitian

Eating well is central to supporting growth and development, preventing chronic disease, and general vitality at all stages of life.

Nutrition is the science of how the foods we eat affect our health. Nutritionists are scientists who attain maintain and promote the health of the public through nutrition research, communication of nutrition information or public health forums. Dietitians are specialist nutritionists who, in addition to these research and public health roles, are accredited to work with individuals and groups to help improve their health outcomes and quality of life. This occurs in settings such as the community, hospitals, private practice, research and food service.

The Bachelor of Nutrition Science provides a strong grounding in areas including nutrition science, food chemistry, biochemistry, and metabolism, as well as training in nutrition research. You will be able to apply your knowledge to a range of community settings. These include working with organisations and industries to create better nutritional standards and policies, undertaking research, and working with communities to support health through improved nutrition. The program is designed to meet the prerequisite requirements for admission into the Master of Nutrition and Dietetics, which is required to be eligible for the credential of Accredited Practising Dietitian.

You will study the building blocks of nutrition: biochemistry, nutritional epidemiology, public health nutrition and physiology. You will explore the role of nutrients in the regulation of enzymes and metabolic pathways through to food sources of nutrients and food production. You will also consider nutrition education in the community, including the effects of food and nutrition policy on health, as well as the relationship between the food system and environmental sustainability.

#### Bachelor of Public Health

CRICOS	CAMPUS	
068536F/086231G DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (D:6, W:6, L:6, S:6)	Zvrs	Session 1 (February)

DS Dean's Scholar available

Graduates can apply to be a full member of the Public Health Association of Australia

Public Health is the art and science of promoting population health, creating health environments and including health in all policies. Public Health practitioners work in government, not-for-profit and private organisations to improve living standards through preventing infectious diseases and poor health caused by unhealthy lifestyle, enabling positive mental wellbeing based on scientific evidence as well as conducting long term studies of populations to improve current solutions.

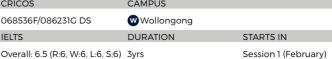
This degree will expose you to the way governments, not for profits and private institutions conceptualise and tackle a variety of health challenges and prepare you for the future of public health. You will learn the basics of the health sector and develop an understanding of the problems involving health, illness, treatment and welfare. You will gain an understanding of the key issues affecting the health of populations. You will develop skills in obtaining, reviewing and analysing health information; planning and managing a health program or project, and in improving the health of

There is an emphasis on the scientific basis of public health, together with social policy and communication aspects. You will also be provided with career ready experiences throughout the degree to prepare you for a changing world of work.

High achieving students can undertake an Honours year at the conclusion Association of Australia.

BACHELOR OF ARTS (PSYCHOLOGY)	55
BACHELOR OF HEALTH AND PHYSICAL EDUCATION	43
BACHELOR OF PRE-MEDICINE, SCIENCE AND HEALTH	47
BACHELOR OF PSYCHOLOGY (HONOURS)	55
BACHELOR OF SPORT	43
BACHELOR OF PSYCHOLOGICAL SCIENCE	55
DOUBLE DEGREE OPTIONS	30





ACCREDITATION

of the degree to further develop and apply their research skills. Professional Recognition Graduates can apply to be a full member of the Public Health

#### RELATED COURSES:

BACHELOR OF ARTS (PSYCHOLOGY)	55
BACHELOR OF HEALTH AND PHYSICAL EDUCATION	43
BACHELOR OF PRE-MEDICINE, SCIENCE AND HEALTH	47
BACHELOR OF PSYCHOLOGY (HONOURS)	55
BACHELOR OF SPORT	43
BACHELOR OF PSYCHOLOGICAL SCIENCE	55
DOUBLE DEGREE OPTIONS	30





# Medical Science

Gain the foundation for a highly rewarding career in the medical field where you can have a profound impact on many peoples' lives. Access modern, purpose-built teaching laboratories and gain experience through practical placements, which are built into our industry accredited degrees. Your studies at UOW will help you develop the skills you need to become a highly soughtafter graduate. This is why UOW is ranked first in Australia for graduates in full-time employment in Medicine.\*

\*2021 Good Universities Guide.

#### Bachelor of Medical and Health Sciences

CITICOS	C/ ((·))	
068533J/089656B Hons DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs/4yrs Hons DS	Session 1 (February Session 2 (July)

DS Dean's Scholar available HDS Honours Dean's Scholar option available

Medical and health science provides insight into the structure and function of the human body at all levels of organisation. This knowledge can be used directly to work alongside other health professionals within the medical research and clinical health fields in both private industry and hospital settings. It can also be used as an underpinning set of knowledge for postgraduate medicine, dentistry, and most other allied health professional areas. Medical and health professionals are involved in the development of therapies, application of diagnostic methods and treatments associated with health and disease.

This degree is a flexible yet rigorous program designed specifically for students who wish to study the scientific basis of human structure, function, and health,

The first year covers the core sciences including human and general biology, chemistry, physiology, anatomy and scientific literacies. Second and third-year core subjects include, integrative physiology, biochemistry, metabolic biochemistry, research analysis, neurobiology and capstone subjects examining human disease. Outside of core subjects there is the opportunity to customise individual programs of study within a wide selection of elective subjects that include: pathophysiology, pharmacology, histology, exercise and cardio-respiratory physiology, more advanced physiology and anatomy subjects, genetics, molecular biology, immunology, bioethics, philosophy, indigenous studies, public health, work health and safety and all specialised areas within chemistry.

#### Bachelor of Medical Biotechnology (Honours)

CRICOS	CAMPUS	
084862C/084843F DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February)

DS Dean's Scholar available HDS Honours Dean's Scholar available

#### ACCREDITATION

Graduates qualify to apply for membership of relevant professional societies, such as the Australian Society for Biochemistry and Molecular Biology, and the Australian Society for Microbiology.

Medical Biotechnology is the application of exciting advances in molecular and cell biology to medicine, agriculture, and the environment. Through modern technologies such as genetic engineering, cell biology and molecular biology, biotechnology is shaping diverse aspects of medicine (cancer, vaccines, therapy and diagnosis of genetic diseases), food production (transgenic plants), and industry (bioremediation).

The Bachelor of Medical Biotechnology (Honours) provides you with the tools and knowledge to work in medicine and industry. It encompasses the rapidly evolving fields of proteomics, genetic engineering, stem cell biology, microbiology and advanced techniques in molecular analysis. A new generation of pharmaceuticals, vaccines, hormones, and anti-inflammatory agents are being developed using these technologies. This degree will prepare you to work in biomedical science research and the biotechnology industry, which is at the forefront of these developments.

Honours is built into the fourth year of this program, during which you will undertake a supervised research project.

As a Dean's Scholar, you will be invited to participate in networking, enrichment and mentoring opportunities that will give you a valuable edge when entering the job market.

#### Bachelor of Medicinal Chemistry (Honours)

CRICOS	CAMPUS		
084858K/084840J DS	Wollongong		
IELTS	DURATION	STARTS IN	
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February)	
HDS Honours Dean's Scholar available			

PROFESSIONAL RECOGNITION

The degree structure is designed to meet the qualifying standards of the Royal Australian Chemical Institute. Students who meet the course requirements will be eligible for corporate membership as Chartered Chemists.

Medicinal Chemistry covers all elements of the development of new medicines for human use, including the isolation of new medicinal agents from natural sources, the design and synthesis of new drugs, and understanding the cause of diseases at the molecular level. Medicinal chemists design and synthesise new medicinal and pharmacological agents, monitor guidelines for testing drugs and analyse drug regulatory affairs, assess patent applications for new drugs, and teach and undertake research in tertiary institutions.

The Bachelor of Medicinal Chemistry (Honours) provides excellent training in the modern techniques of chemical science applied to the development of new diagnostic and therapeutic agents. During the fourth (Honours) year of this degree, you will undertake a substantial piece of independent research in Medicinal Chemistry, under the supervision of a leading researcher, together with other course work. On completion you will be ready for a career in the pharmaceutical industry, government agencies (health, agriculture, food and drug administration), or research organisations.

#### Bachelor of Pre-Medicine, Science and Health

CRICOS	CAMPUS	
086246M	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6.5, W:6.5, L:6.5, S:6.5)	3yrs	Session 1 (February)

The Bachelor of Pre-Medicine, Science and Health is a three-year undergraduate degree providing a solid foundation towards a wide range of postgraduate study including medicine, dentistry, veterinary studies as well as allied health career options such as occupational therapy, optometry, podiatry, physiotherapy, and pharmacy.

Depending on which major you choose, this degree can also lead to professional career options in chemistry, biomedical science or public health.

This degree will explore core content for medical school and professional master's program entry including academic literacy, critical thinking skills and an understanding of what it takes to be a successful health practitioner. From your first year, you will have opportunities to participate in a wide range of volunteer and enrichment activities in the community. These will assist you in developing real-world skills such as leadership, teamwork and service ethic, to help you get ready for a career in science, medicine and health.

In the first year, you will study core foundational topics in anatomy, biology, chemistry, exercise physiology, and nutrition. In year two, under the guidance of the course coordinator, you can tailor your interests by selecting one of the following study areas:

- Biomedical Research
- Exercise Science Medical Science
- Molecular Medicine
- Nutrition

In year three, two capstone subjects use case studies to give you the opportunity to apply the scientific content learned throughout your degree to real-world medical problems. The subjects are delivered in the same casebased learning format used by graduate medical schools across the world.

You will get to apply and present your scientific knowledge via digital media and patient-oriented evidence summaries, and have the opportunity to participate in ethical debates

#### RELATED COURSES

BACHELOR OF MEDICAL RADIATION PHYSICS	68
BACHELOR OF NEUROSCIENCE	55
BACHELOR OF PSYCHOLOGICAL SCIENCE	55

Registered nurses are very important in the treatment of people, families, communities, and populations. When you choose UOW for your nursing qualification, you will learn the theory that you can then put into practice in modern clinical learning labs, and in clinical placements in hospitals, aged care, and community facilities. The practical skills you learn will help you become a sought after graduate. This is why UOW ranks among the top 100 universities in the world for Nursing.\*

\*QS World University Rankings by Subject 2021.

#### Bachelor of Nursing

#### go.uow.edu.au/bnurs

CRICOS	CAMPUS	
098260C	<b>W</b> Wollongong	
	🕸 South Western Sydne	ey
IELTS	DURATION	STARTS IN
Overall: 7 (R:7, W:7, L:7, S:7)	3 years full-time or negotiated part-time equivalent	Session 1 (February

#### ACCREDITATION

Upon completion of the degree, you may be eligible to apply to register with the Nursing and Midwifery Board of Australia (NMBA), Registration with NMBA will require you to be a native English speaker, or achieve an International English Language Testing System (IELTS) score of 7.0, with a minimum score of 7.0 in all four test categories: Reading, Writing, Speaking, and Listening. Results must have been obtained no more than two years prior to applying for registration. Visit the NMBA website for further information.

Registered nurses play an important role in the healthcare system and are involved in a range of activities that are designed to provide care of people with acute, chronic and complex health conditions. Registered nurses are integral in the treatment of people, families, communities, and populations.

You will have opportunities to apply theory to practice in modern simulated supported learning environments, prior to undertaking workplace experience. During the course you will attend 21 weeks of workplace experience in hospitals, aged care, and community facilities. This will immerse you in the field of nursing where you will care for people, putting into practice what you have learned in simulated tutorials.

You will evaluate and apply concepts drawn from nursing theory and research to professional practice. You will also develop an increased awareness of the effects of cultural, social, economic, legal and ethical influences on the development of the nursing profession and knowledge that will enable you to accept responsibility for more complex client

Please note the Inherent Requirements as listed below.

ACCREDITATION FOR HEALTH CAREERS

#### Bachelor of Nursing (Conversion)

CRICOS	CAMPUS	
085515C	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	1 year full-time or part-time equivalent.	Session 1 (February Session 2 (July)

This one-year degree provides Australian registered nurses and International students with the opportunity to upgrade their qualifications to a bachelor's degree level. Please note that this degree does not lead to eligibility to apply for registration as a nurse in Australia.

Nurses play an important role in the healthcare system and are involved in a range of care activities that are designed to provide care for people with acute, chronic and complex health conditions. Nurses are integral in the treatment of individuals, families, communities and populations.

During this degree you will evaluate and apply concepts drawn from nursing theory and research to professional practice. You will develop an increased awareness of the effects of cultural, social, economic, legal and ethical influences on the development of the nursing profession and increased knowledge that will enable you to accept responsibility for more complex client management

You will study the core subjects of Promoting Clinical Excellence, Evidence Appreciation and Application in Health Care Practice, Leadership in Health Care Practice and Community Development Nursing: Theory and Practice In addition to these core subjects you will have the flexibility to choose elective subjects from a range of subjects on offer including Family Centred Nursing, Therapeutic Use of Self, Contemporary Research in Practice, Cultural Competence in Health Care Practice, Therapeutics in Nursing, Challenges of Ageing and Practice Development, and Person Centred Nursing.

Please note the Inherent Requirements listed below.

## INHERENT REQUIREMENTS FOR NURSING DEGREES

Working as a professional practitioner in exercise science, nursing, nutrition and dietetics often requires an accredited qualification. Our professional degrees have been accredited by their relevant professional organisations. Exercise Science and Nutrition and Dietetics require a minimum of four years of academic study. Nursing requires three years of academic study in combination with practical or work experience.

#### PROGRESSION FROM THREE TO FOUR-YEAR DEGREES

Subject to meeting a very high standard of academic performance, students enrolled in the related three-year degrees (Exercise Science, Medical and Health Sciences and Nutrition Science) may be able to transfer to the four-year professional degree or enrol in an accredited postgraduate degree. Permission to transfer is not guaranteed and is highly-competitive. Full details of courses offered can be found at

Inherent requirements ensure the integrity of a course is maintained and preserves the University's learning, assessment and accreditation processes. They must be met by all students. For more information on the inherent requirements of our nursing programs, please visit

uow.info/nurse-regs

#### ENGLISH LANGUAGE REQUIREMENTS FOR NURSING DEGREES

Before you can start studying to become a registered nurse, the Australian Nursing and Midwifery Accreditation Council requires you to demonstrate a high level of English proficiency, either by providing a written declaration that English is your primary language or evidence that you have met the minimum English language requirements.

uow.edu.au/study

# Law & Society

#### WHY STUDY LAW & SOCIETY AT UOW

Now, more than ever, there is a need for people with skills that contribute to the equality, health and wellbeing of individuals and communities. Law and Society at UOW aims to produce outstanding graduates who are informed, independent, effective and responsible problem solvers and communicators. You will engage with theoretical and practical learning experiences, so that when you graduate you will have the skills and experience for a career focussed on the betterment of society.

#### AMONG THE BEST IN THE WORLD

UOW Law has been ranked 74th worldwide, while Arts and Humanities ranked among the world's top 150 in the 2021 Times Higher Education World University Rankings by Subject.

In the QS World University Rankings by Subject 2021, UOW

- in the top 150 universities in the world for Law
- in the top 200 universities in the world for Psychology,
- in the top 250 universities in the world for Social Sciences & Management, and Sociology.

UOW ranked among the world's top 200 universities for political sciences in the 2020 Academic Ranking of World Universities (ARWU) by subject.

Leiden ranked UOW among the world's top 200 universities (188th) for Scientific Impact in Social Sciences.

#### CAREERS

- Aged care manager
- Art historian
- Barrister
- Child protection officer
- Commercial lawyer
- Community development manager
- Criminal defence lawyer
- Criminologist
- Diplomat
- Environmental health officer
- Environmental lawyer
- **Epidemiologist**
- Family and community
- services manager
- Foreign affairs and trade officer

- Foreign correspondent
- Heritage specialist
- Indigenous health officer
- Intellectual property
- Magistrate
- Mental health advocate
- Policy adviser
- Politician
- Prosecutor
- Public health nutritionist
- Public health project
- manager
- Refugee services advocate
- Social worker
- Solicitor
- Town planner
- Youth worker

#### STUDY AREAS

HUMANITIES & HUMAN INQUIRY	50
LAW	52
LITERATURE & LANGUAGES	54
PSYCHOLOGY & HUMAN BEHAVIOUR	55
SOCIAL SCIENCES & ADVOCACY	57

# Humanities & Human Inquiry

UOW humanities graduates are future leaders, with adaptable and analytical skills that can be applied across a diverse field of work to drive global innovation and success. You will learn from academics who are passionate about what they do, actively engaged in their industry and enthusiastic about sharing their knowledge and expertise. UOW ranks in the world's top 200 universities for Arts and Humanities in the 2020 Times Higher Education World University Rankings by Subject.

\* 2021 Times Higher Education World University Rankings by Subject.

#### Bachelor of Arts

CRICOS	CAMPUS	
000612E/081889E DS	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February). Session 2 (July)

DS Dean's Scholar available

If you're passionate and curious about humanity and society, you'll enjoy the breadth and flexibility of the Bachelor of Arts. This degree will allow you to hone your skills including; interpretation, analysing and synthesising complex ideas and solving problems - which are essential to the world today and highly-valuable to employers. Every real-world problem today has a cultural and social dimension that can be understood using the skills you will gain doing a Bachelor of Arts.

All students studying the Bachelor of Arts must elect one major and a minor or a second major from the Faculty of the Arts, Social Sciences and Humanities

#### Majors

#### ARCHAEOLOGY AND ANCIENT HISTORY W

The Archaeology and Ancient History major offers you the opportunity to combine two distinct, but overlapping disciplines that will transform your understanding and perceptions of the past. You will explore the political, social and economic contexts of Rome and Greece. This will be complemented by learning about the 'big' questions in archaeology, in both our own region and the rest of the world from early pre-history to the Middle Ages. You will gain field and practical experience using a range of different techniques and sources to examine material remains, including fossils, artefacts and relics from a wide range of periods, places and people

#### ENVIRONMENTAL HUMANITIES W

A major in Environmental Humanities will equip you with the tools to analyse, critique and engage with contemporary debates about the environment. You will acquire a deep and critical understanding of the social contexts through which we experience environmental issues and problems, such as climate change species loss adaptation exploitation and natural disasters. You will gain a clear understanding of the role of cultural forces (histories, narratives, cultural values and ethics) that influence and shape relationships to the environment.

#### HISTORY DS W

Engage, explore and appreciate the complex and fascinating facts of the past when you study History at UOW. Studying History enriches your understanding of the world by giving you the skills to comprehend a broad scope of human experiences; from our everyday lives, to larger global processes. You will learn ways to research information, critically evaluate debates, and to articulate your arguments and beliefs clearly

UOW's History major focuses on themes that link Australian and international history. You will learn what it is to be a historian through subjects that help you develop a sophisticated and critical appreciation of contemporary approaches to historical theories, methods, interpretation, arguments and uses of evidence.

#### INDIGENOUS STUDIES DS W

This major explores the controversies complexities and contradictions that shape what it means to be Indigenous in Australia and the world today. Contemporary Indigenous Australia is a fascinating crossroad of history, culture, power and politics. This Indigenous Studies major includes the study of practical and political issues, as well as understanding where these issues overlap It consists of four core subjects that will introduce you to Indigenous Australia, the critical themes, global perspectives and research methodologies.

You can choose elective subjects offered by the Indigenous Studies Unit together with a choice of subjects offered by other participating faculties.

#### INTERNATIONAL RELATIONS DS @



#### Australia's borders. PHILOSOPHY DS W

Studying Philosophy will train you in logic and argumentation. It will enlarge and enrich your conception of what is possible. You will acquire the intellectual discipline needed to challenge the assumptions that frame the way we think about the world and how we should behave in it. You will learn to bring philosophical considerations to bear on practical problems in order to make informed decisions about important issues, such as social iustice, free speech, global poverty, climate change, animal welfare, humane psychotherapy, education and expertise

#### POLITICS DS W

Studying Politics involves examining the origins and nature of power, consent, authority and consensus that underpin social and global order. You will examine and explore political institutions, culture, class, gender, ethnicity, political economy, political theory and international relations. You will gain an understanding of how politics can and does operate at many levels - from the gender politics of the bedroom, home or workplace, to the government of nation states, and into the international realm. The study of politics is not just about how people organise power in the here and now, it also concerns itself with both the past and the future. Whether it is a country being studied. relations between countries, or a body of political ideas, studying politics helps you engage with complex ideas about the individual, government and society.

#### SOCIOLOGY DS W

Studying Sociology will prepare and enable you to understand, question and analyse human life, society, social processes, cultural and social change, and the social causes and consequences of human behaviour. You will develop an understanding of our diverse and rapidly changing world and identify the roots of, and solutions to, social problems. In an increasingly dynamic world, where divisions and inequalities are becoming more prevalent, studying Sociology provides invaluable analytical, research and intellectual skills and an in-depth understanding of our diverse societies and cultures.

















#### Bachelor of Arts in Western Civilisation

CRICOS	CAMPUS	
099633D	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall, 85 (D.85, W.85, L.85, S.85)	Zvrc	Session 1 (Echruary)

If you're intellectually fearless and ask the big questions, you could study the Bachelor of Arts in Western Civilisation as a Ramsay Scholar. This degree is an exciting and unique philosophical adventure through the major periods and epochs of intellectual and artistic change in the West. At each stage of your journey you will engage first-hand with masterpieces of Western thought, art and architecture and bring them into dialogue with the some of the greatest exemplars of non-Western traditions. You will cultivate an open, critical mind and become a confident participant in a great conversation; one that will bring you to question what you may not have questioned before.

Critical examination of topics in ethics, aesthetics, philosophy of religion and political philosophy underpin your studies, while you confront questions about the nature of selfhood, truth and reason, and engage in foundational debates rooted in the history of ideas that are significant today. On graduating you will be a well-rounded free thinker, with the skills to be a passionate and socially responsible leader of tomorrow across many sectors such as civil society, business, government and academia.

#### **Bachelor of International Studies**

Duoise of International Statutes			
	CRICOS	CAMPUS	
	064122E/081893J DS	Wollongong	
	064122E	South Western Sydney	
	IELTS	DURATION	STARTS IN
3	Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)
	DS Dean's Scholar available		
	The Devilence Charles and Con-	l <b>c</b>	dan alata a constituta

The Bachelor of International Studies examines the relationships of politics, society, culture, language and history in a range of countries. You will analyse national and global issues, focusing on the way global forces and interactions increasingly influence domestic politics. Students at the Wollongong campus will complete a minor in a language. Students at the South Western Sydney campus may choose a language minor available at the Wollongong campus. All students are encouraged to study abroad or undertake a study tour.

#### Majors



With 2.4 billion people on the planet living on less than US\$2 a day, poverty and inequality remain two of the biggest challenges of our time. Equally, environmental change is a major concern that will affect human activity for the foreseeable future. A major in Global Sustainable Development explores ethical issues surrounding global challenges and the interaction between human and environmental security. Core subjects will teach you the key theories, approaches and practices for promoting human development for the future. You can elect to do subjects that specialise in environmental issues from a range of different disciplinary perspectives, or you can focus on issues of development from economic, social and political perspectives.





#### Bachelor of Politics, Philosophy and Economics

CRICOS	CAMPUS	
085659J/085658K DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

DS Dean's Scholar available

The Bachelor of Politics, Philosophy and Economics provides rigorous training in three interconnected areas that shape the world around us. You will learn to understand the complex interactions between economic and political factors that affect policy and decision-making in contexts ranging from local communities to international organisations. You will develop skills in political understanding, critical thinking and economic analysis that are essential for careers in politics and government, entrepreneurship, international development, public service, and many other areas.

#### RELATED COURSES

**DOUBLE DEGREE OPTIONS** 30



UOW Law has a reputation for producing outstanding graduates who are informed, independent, effective and responsible problem solvers and communicators. Our law school is ranked 74th worldwide\*, meaning you will earn a world-class degree that provides a thorough grounding in law, as well as a real-world focus on essential practical skills, and the social and ethical context in which the law operates. As a UOW Law student you will apply your knowledge in a 20-day internship as part of your studies, so you are prepared to take on the workforce once you graduate.

\* 2021 Times Higher Education World University Rankings by Subject.

#### Bachelor of Laws

CRICOS	CAMPUS	
094205J	<b>W</b> Wollongong	
	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	4yrs	Session 1 (February)

A Bachelor of Laws from UOW equips you with a comprehensive legal education. Our world-class law degrees provide a thorough grounding in the law, as well as a real-world focus on the essential practical skills and the social and ethical contexts in which the law operates. Practical experience is a vital part of your legal training, which is why we are the only law school in New South Wales that requires you to complete a legal internship, providing highly valued industry experience.

We are committed to social justice and providing a legal education that engages with the complexities of law's intersection with society.

#### Bachelor of Laws (Graduate Entry)

CRICOS	CAMPUS	
094206G	<b>W</b> Wollongong	
094216F	South Western Sydney	
094206G	Sydney CBD campus	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	3yrs	Session 1 (February)

The Graduate Entry law degree is a three-year program consisting of law subjects with an extensive range of electives. This degree is available only to graduates of disciplines other than law.

#### Bachelor of Arts

CRICOS	CAMPUS	
000612E/081889E DS	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall 6.5 (R:6, W:6, L:6, S	5:6) 3yrs	Session 1 (February), Session 2 (July)

DS Dean's Scholar available

Students who are passionate and curious about humanity and society enjoy the breadth and flexibility of the Bachelor of Arts. This degree will allow you to hone your skills of interpretation, and in analysing and synthesising complex ideas. These skills are essential to real-world problem-solving and highly-valuable to a wide range of employers. Every real-world problem today has a cultural and social dimension that can be understood using the skills you will gain doing a Bachelor of Arts.

All students studying the Bachelor of Arts must elect one major and a minor, or a second major from the Faculty of the Arts, Social Sciences and Humanities.

#### Majors

#### LEGAL STUDIES DS W

Majoring in Legal Studies will provide you with a sound understanding of the Australian Legal System and its court structure. You will learn key aspects of private law in Australia, including principles of the law of contract and torts, and be able to critically examine the relationship between law and justice. This flexible major allows you to create a degree around your interests by combining Legal Studies with other study areas.

# Law double degrees

At UOW we offer a diverse range of Bachelor of Laws double degrees, allowing you to complete two separate bachelor degrees simultaneously, in less time than if you studied them one after the other. Double degrees deliver a practical and contextual legal education that prepares graduates not only for traditional careers in the legal profession, but also for a wide range of careers in government, business and community organisations as leaders, innovators and problem-solvers.

#### All law double degrees

For a full list of UOW double degree combinations, see page 30.

For specific information on each of the below double degrees, please refer to the relevant single degree course descriptions found in this guide.

Mid-year enrolment is available for all double degrees where students can commence the other component of the double degree in Session 2.

#### Bachelor of Arts – Bachelor of Laws

	CRICOS	CAMPUS	
۰	094212K	<b>W</b> Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)
	Course information for Bach	elor of Arts is on page 50	

#### Bachelor of Arts (Psychology) – Bachelor of Laws

CRICOS	CAMPUS	
094210A	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

Course information for Bachelor of Arts (Psychology) is on page 55.

#### Bachelor of Arts in Western Civilisation Bachelor of Laws

CRICOS	CAMPUS^	
099637M	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 8.5 (R 8.5, W 8.5, L 8.5, S 8.5)	3yrs	Session 1 (February)
Course information for Pachelor of /	rts in Wostorn Civilis	ation is on page F1

#### Bachelor of Business – Bachelor of Laws

CRICOS	CAMPUS	
102887G	<b>W</b> Wollongong	
102887G	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5vrs	Session 1 (February)

Course information for Bachelor of Business is on page 34.

#### Bachelor of Communication & Media Bachelor of Laws

CRICOS	CAMPUS	
094799M	<b>W</b> Wollongong	
094799M	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

Course information for Bachelor of Communication & Media is on page 38













#### Bachelor of Computer Science - Bachelor of Laws

CRICOS	CAMPUS	
094220K	Wollongong	
094220K	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	6yrs	Session 1 (February)

Course information for Bachelor of Computer Science is on page 61.

#### Bachelor of Creative Arts – Bachelor of Laws

CRICOS	CAMPUS	
094217E	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

Course information for Bachelor of Creative Arts is on page 39.

#### Bachelor of Economics & Finance - Bachelor of Laws

	CRICOS	CAMPUS	
	094221J	w Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 7 (R:6.5, W:7, L:6, S:6)	5.5yrs	Session 1 (February)
Course information for Bachelor of Economics & Finance is on page 3			e is on page 34.

#### Bachelor of Engineering (Honours) – Bachelor of Laws

CRICOS	CAMPUS	
103038G	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	7yrs	Session 1 (February)
Course information for Bachelor of Engineering (Honours) is on page 63.		s) is on page 63.

#### Bachelor of Information Technology – Bachelor of Laws

CRICOS	CAMPUS	
069492E	Wollongong	
094218D	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5.5yrs	Session 1 (February)

Course information for Bachelor of Information Technology is on page 62.

#### Bachelor of International Studies - Bachelor of Laws

CRICOS	CAMPUS	
094215G	Wollongong	
094215G	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

Course information for Bachelor of International Studies is on page 51.

#### Bachelor of Journalism - Bachelor of Laws

CRICOS	CAMPUS	
094214G	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)
Course information for Bachelor of Journalism is on page 38.		

#### Bachelor of Mathematics - Bachelor of Laws

CRICOS	CAMPUS	
094219C	Wollongong	
ELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

#### Bachelor of Politics, Philosophy & Economics -Bachelor of Laws

Course information for Bachelor of Mathematics is on page 67.

CRICOS	CAMPUS	
092339M	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5.5yrs	Session 1 (February)
Course information for Bachelor of Politics, Philosophy & Economics is on		

#### Bachelor of Psychological Science - Bachelor of Laws

CRICOS	CAMPUS	
094209E	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)
Course information for Rachelor of Dsychological Science is on page 55		se is on page 55

#### Bachelor of Science - Bachelor of Laws

CRICOS	CAMPUS	
094213J	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:6.5, W:7, L:6, S:6)	5yrs	Session 1 (February)

Course information for Bachelor of Science are on pages 65 and 68.

# Literature & Language

Equip yourself with skills for an increasingly global workplace by delving into the English language or learning to speak a new one. The ability to understand and communicate across multiple languages and cultures will put you at a unique advantage in your career. Studying a language at UOW provides a platform for you to develop the skills that future employers are looking for, including analytical thinking, exceptional written and oral communication skills, and the capacity to appreciate differences in cultural perspectives.

#### Bachelor of Arts

CRICOS	CAMPUS	
000612E/081889E DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

DS Dean's Scholar available

Students who are passionate and curious about humanity and society enjoy the breadth and flexibility of the Bachelor of Arts. This degree will allow you to hone your skills of interpretation, and in analysing and synthesising complex ideas. These skills are essential to real-world problem-solving and highly-valuable to a wide range of employers. Every real-world problem today has a cultural and social dimension that can be understood using the skills you will gain doing a Bachelor of Arts.

All students studying the Bachelor of Arts must elect one major and a minor, or a second major from the Faculty of the Arts, Social Sciences and Humanities.

#### Majors

#### CHINESE (MANDARIN) FOR CHARACTER BACKGROUND STUDENTS

This major is for students who already know Chinese characters, but who either speak a Chinese dialect, such as Shanghainese, Cantonese or Taiwanese and do not speak Mandarin, or wish to improve their Mandarin skills. You will study Mandarin language, grammar, culture and history; learn Mandarin from the comparative linguistic perspective; and be able to express yourself clearly and accurately in spoken and written Mandarin.

#### CHINESE (MANDARIN) FOR NON-CHINESE BACKGROUND STUDENTS $\square$ S

This major is for students who have no prior knowledge of the language or of Chinese characters. You will study Mandarin language, grammar, culture and history. You will learn Mandarin from the comparative linguistic perspective and be able to express yourself clearly and accurately in spoken and written Mandarin in social settings and the global business market. You will also learn to recognise and respond personally to differences between Chinese culture and your own cultural heritage by analysing film, poetry and other cultural products.

#### CREATIVE WRITING DS W

Creative writing lets you express ideas and thoughts in an imaginative way. It allows you to show feelings and emotions through writing: you're not just relaying facts or conveying information. Creative writers write to entertain or educate someone, to spread awareness about something or someone, or simply write as a way of sharing a human experience, like love or loss. A major in Creative Writing will focus on three key areas of creative writing practice: poetic, dramatic and narrative. You will be able to produce new work in poetry, drama and short stories, and reflect on these practices in relation to the history and politics of writing.

#### ENGLISH LITERATURES DS W

Studying English Literatures will get you thinking creatively about the English language. You will analyse theories, critique prose and verse, taking a more critical look at the signs and words surrounding us every day. It provides a platform for you to develop the skills that future employers are looking for, including analytical thinking, exceptional written and oral communication skills, and the capacity to appreciate differences in cultural perspectives.

#### FRENCH DS W

At UOW, you will study French language, grammar, culture and history. You can begin your study of the French language from beginner or intermediate level and become proficient in all four skills of speaking, listening, reading and writing. France has a strong history and you will discover the events and sociocultural forces that have shaped modern France, its people and language.

#### JAPANESE DS W

Japan offers a rich culture of history, literature and arts. Its long history and culture features both traditional and ultra-modern elements. Japan also plays an important role on the Asia-Pacific political and economic stage, and is one of Australia's major trading partners. The study of Japanese opens up a whole new world of linguistic and cultural experience that offers employment and research opportunities. It also provides access to the exciting culture of Japanese anime, manga and film.

#### SPANISH DS W

Spanish is one of the world's most widely spoken languages. At UOW, you will study Spanish language, grammar, culture and history. You will learn to converse, read and translate Spanish in real contexts, including the contemporary Spanish work environment. You will focus on developing spoken and written language skills that can be used in real-life situations, as well as subjects on Hispanic history, culture and society.

#### WRITING & ENGLISH LITERATURES DS W

Writing and English Literatures allows you to combine your love of writing with the analytics of literature. English literatures will challenge you to think creatively about the English language and give you the knowledge and understanding to express these thoughts and ideas through your own creative writing. Writing and English Literatures at UOW focuses on the study of literature from various periods and literary practice, and the practical application of this study through creative writing. You will be exposed to a wide range of texts, which will allow you to develop analytical skills, critical understanding and the ability to create your own pieces of writing.

#### RELATED COURSES

BACHELOR OF COMMUNICATION AND MEDIA (JOURNALISM)	38
BACHELOR OF INTERNATIONAL STUDIES	51
BACHELOR OF JOURNALISM	38
DOUBLE DEGREE OPTIONS	30

# Psychology & | Human Behaviour

Understanding who we are, and how we think, feel and act is at the heart of the study of human behaviour. Studying Psychology at UOW will improve your work with people across many fields, including psychological health and wellbeing, organisational behaviour, and how social systems such as families and governments operate. At UOW we offer accredited degrees in the fields of psychology and social work. You'll learn from staff who are at the forefront of their chosen discipline and benefit from practical experiences to equip you with career-ready skills. UOW is globally ranked in the top 250 universities in the world for Psychology in the QS World University Rankings by Subject 2020.

#### Bachelor of Arts (Psychology)

CRICOS	CAMPUS	
012087M	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

The Bachelor of Arts (Psychology) will provide you with the comprehensive training in human psychological functioning needed when studying towards a qualification as a professional psychologist. You can also combine your Psychology major with other disciplines available in the Bachelor of Arts degree. This will allow you to expand your understanding of the human experience and broaden your career options.

Students with an excellent academic record may apply to transfer to the fouryear Bachelor of Psychology (Honours) degree, which provides the academic requirement for eligibility for provisional registration by the Psychology Board

#### Bachelor of Psychology (Honours)

CRICOS	CAMPUS	
084845D	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February)

The Bachelor of Psychology (Honours) is an undergraduate Honours degree accredited by the Australian Psychology Accreditation Council (APAC).

Psychologists help us to understand who we are and how we think, feel, act and change through scientific study of the human mind and its functions, especially those affecting behaviour. Clinical psychologists work directly with clients to help them improve their wellbeing and psychological health. Their clients include children, adults, couples, families and organisations, and they can work in a wide range of settings from private practices to the hospital system. This degree provides comprehensive training in the scientific study of human behaviour and experience, the physiological, sensory and cognitive processes that underlie it, and how the profession applies this knowledge to practical problems.

#### Bachelor of Neuroscience

CRICOS	CAMPUS	
753240IB	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February)

Overall: 6.5 (R:6, W:6, L:6, S:6) 3yrs

Are you interested in understanding the links between the brain and behaviour? The Bachelor of Neuroscience will provide you with a sound understanding of the molecular, neural and cognitive underpinnings of behaviour as well as providing grounding in the investigative research methods used in the area. You will study the biological basis of behaviour. Using a foundation in biology, chemistry and psychophysiology, the Bachelor of Neuroscience will provide you with the groundwork for applying this knowledge to addressing questions in understanding how we think, the processes underpinning ageing and neurological and mental health disorders. Along with the basics of writing research reports, laboratory

skills scientific communication and the scientific knowledge you will gain knowledge on specific topics such as pharmacology, cognitive sciences, genetics and quantitative research methods.

#### Bachelor of Psychological Science

CRICOS	CAMPUS	
086228B	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

The Bachelor of Psychological Science is a three-year undergraduate degree. You can make a choice to deepen your studies in psychology with the objective of becoming a registered psychologist or you can take complementary studies from UOW's wide variety of disciplines to develop other career pathways where knowledge of psychology is advantageous.

Graduates with an excellent academic record and an extended major in Psychology can apply for entry to the additional one-year Bachelor of Psychological Science (Honours) degree, a prerequisite to professional registration; or may apply to transfer to the four-year Bachelor of Psychology

#### Bachelor of Psychological Science (Honours)

	CRICOS	CAMPUS	
	084846C	Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 6.5 (R:6, W:6, L:6, S:6)	lyr	Session 1 (February),

This one-year Honours degree is for graduates of a three-year Australian Psychology Accreditation Council equivalent psychology degree who need a fourth year of study to apply for provisional registration as a practising psychologist. It is also useful for graduates of a three-year degree who wish to move into postgraduate research in psychology.

You will produce advanced written work that demonstrates your ability to analyse and synthesise information, solve complex problems, and orally present this information in various formats.

#### Bachelor of Social Work

CRICOS	CAMPUS	
081143C	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 7 (R:7, W:7, L:7, S:7)	4yrs	Session 1 (February)
ACCREDITATION		

This degree is provisionally accredited by the Australian Association of Social Workers (AASW).

Social workers make an important contribution to individual and community wellbeing and the improvement of society. With a strong commitment to social justice and human rights, social workers can be found working with people who are disadvantaged and marginalised by society because of

The UOW Bachelor of Social Work provides a balance of skills, concepts and theory, as well as hands-on experience in professional practice. You will cover

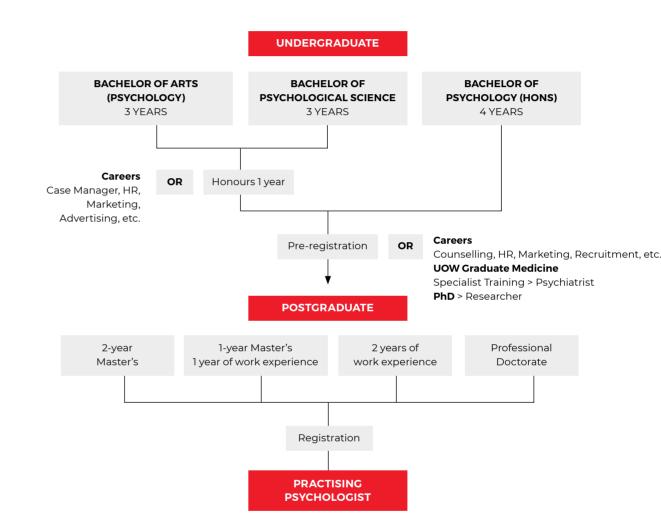
- Study of the individual and society: with subjects such as psychology, and electives from the social sciences, which will provide an introduction
- Skills and methods for practice: you will develop practice capabilities to work effectively with people, and use critical insights to understand people and social problems.
- Enactment of social justice: enacting social justice is a core requirement when working with individuals, families or communities, and for social researchers and policy developers.
- Engaging with community: engaging with communities on joint projects is an important part of social work, and is central in the program.
- Supervised professional practice: in the final years of the degree, you will gain supervised professional practice experience in human service agencies. This is where you will develop the skills and knowledge necessary for a career as a social worker.

As a UOW Social Work graduate, you will enter the labour market with extensive skills and knowledge, and supervised professional practice experience. You will be ready to promote social change and development, and improve the lives of individuals, families and communities.

#### RELATED COURSES

BACHELOR OF NURSING	48
BACHELOR OF PRE-MEDICINE, SCIENCE AND HEALTH	47
BACHELOR OF SOCIAL SCIENCE	57
DOUBLE DEGREE OPTIONS	30

# Career pathways for psychology studies



#### FIELD EDUCATION FOR PROFESSIONAL EXPERIENCE

All social work courses involve supervised professional practice in a variety of institutional and community settings, and may involve work with vulnerable and disadvantaged individuals and communities.

#### REQUIREMENTS FOR PROFESSIONAL PRACTICE

As part of learning professional practice and prior to supervised professional practice, students are expected to attend simulation laboratories where they will learn practical skills, practice methods and

Professional experience of 1,000 hours over two placements is compulsory and integrated into the last two years of the degree, and

will usually occur in the Illawarra, Shoalhaven, Southern Highlands or

Southern Sydney area. During this experience, students are supervised by qualified social workers. Students must make themselves available for professional experience at the locations and times specified. It is an expectation that students who participate in these courses are capable of meeting the demands of travelling to and from professional experience locations. Some agencies require students to hold a driver's licence

Many agencies in which students are placed require individuals to have a police check prior to supervised professional practice. This includes state and federal government agencies as well as organisations in the not-for-profit sector. The cost of the police check is the responsibility of

# Social Sciences and Advocacy

Social scientists are tasked with improving the lives of not just individuals but whole communities. By predicting human behaviour and understanding how we interact with different environments, social scientists can develop plans and programs to improve the overall health and wellbeing of a population. Study in social sciences and advocacy can lead in many directions. At UOW we offer accredited, practice-based courses in the fields of social science, public health, social work, occupational health and safety, and human geography. You will have an opportunity to explore all aspects of your chosen field in your first year as an undergraduate, before going on to specialise.

#### Bachelor of Arts

CRICOS	CAMPUS	
000612E/081889E DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall 6.5 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February) Session 2 (July)

DS Dean's Scholar available

Students who are passionate and curious about humanity and society enjoy the breadth and flexibility of the Bachelor of Arts. This degree will allow you to hone your skills of interpretation, and in analysing and synthesising complex ideas. These skills are essential to real-world problem-solving and highly-valuable to a wide range of employers. Every real-world problem today has a cultural and social dimension that can be understood using the skills you will gain doing a Bachelor of Arts.

All students studying the Bachelor of Arts must elect one major and a minor, or a second major from the Faculty of the Arts, Social Sciences and Humanities.

#### **Majors**



damage. When you study communities, different cultures and their environments, you explore the diverse issues that affect these groups of people and their surroundings. You will learn communication and media skills about Indigenous peoples and the environment, post-federation Australian literature, children and young adult fictional literature, environmental contexts, and change in the human environment.

\*Completion of full majors at regional campuses is subject to availability at the time of enrolment.

#### Bachelor of Social Change and Advocacy

Overall: 6.5 (R:6.5, W:6.5, L:6, S:6) 3yrs

CRICOS	CAMPUS		
0102085	South Westerr	South Western Sydney	
IELTS	DURATION	STARTS IN	

The Bachelor of Social Change and Advocacy introduces key local and global challenges such as food, environmental and material sustainability, population and crime. You will be introduced to methods and concepts to help frame these issues and the contexts that promote or constrain change. Develop focus, passion and adaptable skills culminating in the opportunity to apply your knowledge in a workplace embedded project and an international field trip to explore global context. Graduates of this degree have access to a range of professionally oriented postgraduate programs in Primary Education, Social Work, Public Health, or Urban Planning.

Session 1 (February),

#### Bachelor of Social Science

CRICOS	CAMPUS	
081145A/081324J DS	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6.5 (R:6.5, W:6.5, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

DS Dean's Scholar available

Social science looks at how and why we live the way we do. Social scientists seek to understand society and social behaviour in order to positively transform the lives of individuals, families, communities and their environments.

Social scientists work in diverse social environments to identify issues and develop strategies for solutions to social problems. Nationally and globally there is a demand for social scientists who are able to understand the complex and changing needs of societies in the face of technological. economic and social changes that affect the smallest of communities to the largest of nations.

#### Majors

#### CRIMINOLOGY DS W

Criminology is the scientific study of the causes, control, consequences and prevention of criminal behaviour at an individual and social level. Social science draws on a range of disciplines to critically examine debates about crime, and how various contested theories and values translate into criminal justice policies and practices. In this major you'll focus on Criminology subjects relating to offenders, victims and agents of control, multidisciplinary understandings of crime, crime prevention, safe communities, security, probation and parole, human rights, and community justice.

#### HUMAN GEOGRAPHY DS W

A major in Human Geography addresses contested questions of how to live in a rapidly changing world. These questions are centred on sustainability (climate change), social justice and inequality. In this major you will focus on critical thinking and research skills. You will be introduced to various theories to explain climate change, food security, megacities, inequalities, mobility, globalisation, race, community, gender, class and power. Human Geography is a field-based discipline. This major therefore offers opportunities for real-world learning through participating in fieldwork, both nationally and internationally.

#### HUMAN SERVICES DS W

This degree is for students who have a passion for helping people and communities to address inequalities, foster positive social change and create a just society. It will prepare you for a career in a range of government human services agencies as well as non-government organisations, communitybased organisations and private service providers. You will study a common foundation of compulsory social science subjects in the first session of study, followed by a major in Human Services. You will examine how human services are delivered and analyse the planning, funding and regulation of social aspects of human services. You will also gain practical skills through work integrated learning including placements with human services organisations.

#### OCCUPATIONAL HEALTH AND SAFETY DS W

The degree will provide you with a broad based understanding of the principles and practices of work health and safety for prevention of injury and disease in workplaces. This program has been developed in conjunction with industry to address the complex nature of occupational health and safety in the workplace. The specialised knowledge and skills developed throughout this major will allow you to confidently address the complex nature of workplace issues. You will gain an understanding of Work Health and Safety legislation, rights and responsibilities of the key stakeholders, and concepts and strategies in the management of work health and safety. This includes development of skills in OHS risk management including identification of common workplace hazards, risk assessment procedures and risk control strategies

#### SOCIOLOGY DS W

Sociology is the study of society. It examines social life, cultural and social change, and the social causes and consequences of human behaviour. Sociology involves asking questions about human life and society, developing understandings of our diverse and rapidly changing world, and identifying the causes of - and solutions to - social problems. In this major you'll study theory and social research methods, social policy and the state. gender, sexuality and the body, crime and punishment, race and ethnicity, social class, families and intimacy, social interaction, social movements. globalisation, development, social change, and media and popular culture You will also analyse a wide variety of social processes, causes of social change and the structures of groups and societies.

#### Bachelor of Sustainable Communities

	CRICOS	CAMPUS	
	092391G	<b>W</b> Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February) Session 2 (July)

Complex environmental, economic and societal challenges are confronting global communities and posing uncertainty around many aspects of our future, including:

- Population growth
- Food, water and energy security
- Social and cultural inequality
- Climate change
- Environmental risks and resource depletion
- Economic instability
- Intensified urbanisation
- Emergent 'smart' technologies

In light of this, communities, governments and organisations face the challenge-filled task of creating just and sustainable communities where environments are protected, equitable social and cultural relations can flourish, and economic livelihoods can prosper. The focus on sustainable communities has never been stronger

You will acquire the knowledge to understand the complexity of challenges facing sustainable communities, and the skills and problem-solving abilities to help plan for create and maintain them in a volatile world. You will have the opportunity to gain career-relevant skills in practical settings, and to study overseas to investigate how other countries are seeking to create and maintain sustainable communities.

#### Bachelor of Geography

CRICOS	CAMPUS	
089781G	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

Geographers help shape the future by understanding, explaining and predicting both human and physical environments. In this degree, you will learn skills in logical and critical thinking, creative problem-solving, practical research, organisation and project management, numeracy, statistical literacy, computer skills (including Geographic Information Systems), and effective communication. You will apply these skills to problems in physical and human geography, studying the natural environment, its processes. and the interaction of these with human society. You will study how society shapes, and is shaped by, its natural world. Your studies will include climate change, biogeography, coastal and river environments, populations, urban and regional societies, spatial geography, and environmental management.

#### Bachelor of Science

CRICOS	CAMPUS	
085272F/084773D Hons DS	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Hons	Session 1 (February), Session 2 (July)

#### HDS Dean's Scholar available

As a science student, you will learn skills in logical and critical thinking. creative problem-solving, practical research skills, organisation and project management, numeracy, statistical literacy, computer skills, and strong communication.

#### Majors

#### HUMAN GEOGRAPHY HDS W

This is a flexible degree designed for students who seek to major in Human Geography, but choose to complement their degree with science subjects. Human Geography addresses contested questions of how to live in a rapidlychanging world. These questions are centred on sustainability (climate change), social justice and inequality. In this major you will focus on critical thinking and research skills. You will be introduced to various theories to explain climate change, food security, megacities, inequalities, mobility. globalisation, race, community, gender, class and power. Human Geography is a field-based discipline that offers opportunities for experiential learning through participating in fieldwork, both nationally and internationally.

#### **ENVIRONMENT & HERITAGE MANAGEMENT HDS W**



The UOW Bachelor of Science (Environment and Heritage Management) is a degree designed for students who seek the research and critical thinking skills of both scientists and social scientists. This major addresses the contemporary questions and challenges of environment and heritage management. This specialist degree provides training in the practical skills and creative problem-solving of human geographers and environmental scientists to address questions around human impact, managing valued landscapes and the designation of heritage sites.

#### RELATED COURSES

#### **DOUBLE DEGREE OPTIONS**























# Science, Technology, Engineering & Maths



#### WHY STUDY SCIENCE, TECHNOLOGY, ENGINEERING & MATHS AT UOW

Through our broad offering of degrees in this study area, you will learn in some of Australia's best labs and workshops, with an emphasis on innovation and the development of practical skills. Our world-class teaching and research facilities, and our strong links with leading institutions, is why UOW is among the top Australian engineering faculties\* and home to one of the largest ICT research groups in the southern hemisphere.

\*UOW is a member of the Group of Eight (Go8) Engineering and Associates

#### AMONG THE BEST IN THE WORLD

In the 2021 QS World University Rankings by Subject, UOW ranked 28th in the world for Mineral and Mining Engineering, 63rd in the world for Materials Science, and in the top 100 for Civil and Structural Engineering.

Also in the 2021 QS World University Rankings by Subject, UOW ranked in the top 150 in the world for Electrical and Electronic Engineering, Geology, Geophysics, and Earth and Marine Sciences; in the top 200 in the world for Chemistry, and Environmental Sciences; and in the top 250 in the world for Computer Science and Information Systems, Natural Sciences, and Mathematics.

In the 2021 Times Higher Education World University Rankings by Subject, UOW ranked 92nd in the world for Engineering and Technology, in the top 150 for Physical Sciences, and the top 250 for Life Sciences and Computer Science.



O

The Faculty of Engineering and admission to the Go8 – Group of Eight Engineering and Associates, the top

#### **CAREERS**

#### Science:

**Biochemist** Chemist

Conservation biologist

Environmental consultant

Forensic scientist

Geologist

#### Computing & IT:

Cyber security specialist Electronics engineer

Game developer

Network architect

Programmer

Software engineer User interface designer

Marine biologist

Materials scientist

Medical researcher

Oceanographer

Medical biotechnologist

VR designer

Materials engineer

Robotics engineer

Software engineer

Telecommunications

Mathematics teacher

Quantitative trader

Systems analyst

engineer

Statistician

Web developer

#### **Engineering:**

Biomedical engineer

Computer engineer

Civil engineer

Electronics engineer

Environmental engineer

Geotechnical engineer

#### **Mathematics:**

Data scientist

Investment analyst

Mathematic modeller

#### STUDY AREAS

COMPUTER SCIENCE & INFORMATION TECHNOLOGY	<i>(</i> 60
ENGINEERING	63
ENVIRONMENT & BIOLOGICAL SCIENCES	64
MATHS, PHYSICS & CHEMISTRY	67

О

# Computer Science & Information Technology

Information and Communication Technology (ICT) underpins everything we do in today's digital world. Every industry, from creative and finance, to healthcare, agriculture and transport is transforming and creating demand for ICT talent. Studying a UOW degree in this area will equip you with skills that will help you thrive in tomorrow's economy. You will also be recognised as studying at a university ranked among the top 200 in the world for Computer Science and Information Systems.\*

\* QS World University Rankings by Subject 2020.

#### Bachelor of Engineering (Honours)

	CRICOS	CAMPUS	
	083339G/083341C <b>S</b>	Wollongong	
	IELTS	DURATION	STARTS IN
	Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February) Session 2 (July)

Scholar option available

#### ACCREDITATION

UOW's Engineering programs are accredited by Engineers Australia and relevant world engineering bodies through the Washington Accord. This ensures recognition by equivalent professional engineering bodies in the USA, UK, Hong Kong, Japan, New Zealand, Canada, South Africa, Ireland, Korea, Malaysia, Singapore and other countries. This recognition ensures that graduates from this course are admitted, on application, to the grade of Graduate Membership of Engineers Australia.

#### Majors

#### COMPUTER AND AUTONOMOUS SYSTEMS ENGINEERING S W

Computer engineers design computers and/or computer systems, hardware and software to control sensors, embedded devices and manufacturing or industrial plants. This field of engineering not only focuses on how computer systems work, but how they integrate into the bigger picture.

In the Bachelor of Engineering (Honours) Computer and Autonomous Systems you will study electrical engineering, software design and hardwaresoftware integration, from the development of super computers to circuit design. You will acquire specialist expertise in the fields of computer architecture and software design to combine hardware and software solutions to solve practical problems.

The later years of this major focus on the development of high-level computer and autonomous systems capabilities, including:

- Hardware design
- Software techniques
- Signal processing
- Multimedia control systems and robotics

#### TELECOMMUNICATIONS ENGINEERING AND INTERNET OF THINGS S W

Telecommunications and Internet of Things engineers deal with large-scale data networks, such as the internet and other devices and systems that represent, store and transmit analog and digital information. This includes data transmission equipment, customer access technology, analog and digital radio and television systems, satellite communications, global navigation mobile communications, and remote sensing/telemetry systems.

As a Telecommunications Engineering and Internet of Things student at UOW you will study data, voice and video communications, transmission through wireless and wired media, predicting and modelling communication systems performance, and detecting or correcting errors in transmission.

In the Bachelor of Engineering (Honours) Telecommunications Engineering and Internet of Things, you'll be trained to take up roles as a telecommunication engineer focusing on the transmission and management of information through channels, such as coaxial cable, optical fibres or free space. You will study data communications, control theory, digital signal processing and communications systems.

#### Bachelor of Business Information Systems

CRICOS	CAMPUS	
068718M/081888F DS	WWollongong	
	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February Session 2 (July)

DS Dean's Scholar available

The Bachelor of Business Information Systems is accredited by the Australian Computer Society as meeting requirements for membership at the 'Professional' level

Business information specialists are trained to analyse business problems and find possible IT solutions for these problems. This ranges from running an efficiency audit on a company's information systems, through to analysing the effectiveness of a file management system and designing business software applications

This course is specifically designed to prepare you for a career as a systems analyst or an information systems specialist. As well as having the capability of working in a business environment, graduates can work for government or non-profit organisations. You will also study key commerce subjects, such as accounting and management.

In your final year you will develop your own application as part of an annual student team project, developing solutions to real-world problems provided by our industry partners.



#### Bachelor of Computer Science

CRICOS	CAMPUS	
012088K/081898D DS	Wollongong	
	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February), Session 2 (July)

DS Dean's Scholar offered at Wollongong campus only

Students studying at South Western Sydney campus can complete any of the majors listed by completing four core subjects from the other majors at Wollongong campus.

ACCREDITATION

The Bachelor of Computer Science is accredited by the Australian Computer Society as meeting requirements for membership at the 'Professional' level.

Computer scientists focus on the theoretical foundations and practical approaches to computation and its applications. They design methods and tools, and write programs for computer applications. These applications can be in areas such as computer systems to control machinery, information management and big data, applications for mobile devices, stock market trend analysis, game design, visualisation of chemical reactions, neural network design, computational geometry for robot navigation, patient monitoring in hospitals, and much more.

You will be able to choose your major in your second year after studying common core subjects that link our computer science IT and information systems degrees. For students studying at South Western Sydney campus, or those who do not wish to specialise with a major, you will complete advanced subjects providing you with specific knowledge, as well as professional skills

You will find your strengths and interests as you study the fundamentals of computer science and IT, including programming, problem solving, network and communications, web technology, data management, system analysis, human-computer interaction, and project management.

In your final year you will develop your own application as part of an annual student team project, developing solutions to real-world problems provided by our industry partners.

#### Majors

#### ARTIFICIAL INTELLIGENCE AND BIG DATA DS @ 000

we can gain intelligence and make better decisions

As data sets continue to expand exponentially, connecting data with Artificial Intelligence technology can provide new insights that are critical to solving

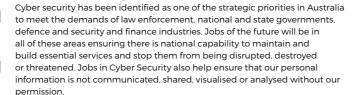
Big Data can solve problems in science, society and business including population growth, transport, security, medical technology, trade and commerce. However, the data first needs to be processed and refined so that

Artificial Intelligence (AI) aims to develop computer software and hardware to enable machines to learn from experience, adapt to new information, and undertake tasks that require human-like thinking. Al is being integrated into major technological systems globally including healthcare, legal and financial services manufacturing education mining transport agriculture and across all industries where automation and robotics can enhance production and improve safety. These developments are creating a demand for highly skilled AI specialists, and will create a workforce capable of developing and maintaining complex systems and applications. It incorporates subjects in the foundation of AI, modern AI, augmented and virtual reality, machine learning and/or computer vision.

You will study subjects in the foundation of AI and Big Data, augmented and virtual reality and complete subjects in foundations of AI, modern AI, big data management, big data mining techniques and implementation

You will learn to apply this AI and Big Data knowledge in the real world with a team-based capstone project in your third year.

#### CYBER SECURITY DS W 🕸



In this Cyber Security major you will study technical and political concepts of current topics in cyber security, such as blockchain, cryptocurrency. multimedia security, Internet of Things (IoT) security, obfuscation and reverse engineering. You will learn penetration testing skills for defensive purposes and be prepared for ethical hacking certification.

#### DIGITAL SYSTEMS SECURITY DS W

individuals, homes, families and offices.

Information and systems security is becoming increasingly important for everyday life. We want technology to protect our digital information such as IDs, assets and data security, and to secure email and online privacy for

The Digital Systems Security major focuses on the theoretical and practical applications of information and digital security across a range of subjects, including systems security, heterogeneous computing, systems architecture, cryptography and its secure applications, and network and telecommunications security.

#### GAME AND MOBILE DEVELOPMENT DS W



The Game and Mobile Development major has been designed to meet the current global demand for skilled graduates in the areas of game and multimedia system development. This major will equip you with skills to apply techniques to the development of video games and related systems on computers and mobile platforms, including devices such as mobile phones, tablets and wearable devices. You will be able to identify approaches to solving real-world problems in video games and multimedia systems. In addition, you will develop traditional communication and computer science skills as well as creative skills, including visualisation and interaction. Experts in this field work in the entertainment industry, the game and mobile industry in Australia and worldwide. Careers can include mobile application developers, game programmers, animators, game engine developers, mobile entertainment and multimedia designers.

#### SOFTWARE ENGINEERING DS @ @



Software Engineering incorporates all aspects of software production, including business strategy, design, coding, testing, quality and management of large-scale complex software systems.

You will study a wide range of programming principles and software development methodologies processes problem-solving concepts and maintenance for automated system. You will also learn software engineering principles and practices to plan, design and develop high-quality and complex software systems

#### Bachelor of Information Technology

CRICOS	CAMPUS	
061445K/081894G DS	<b>W</b> Wollongong	
	South Western Sydney	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February Session 2 (July)

DS Dean's Scholar offered at Wollongong campus only

Students studying at South Western Sydney campus can complete any of the majors listed by completing four core subjects from the major at Wollongong

#### ACCREDITATION

The Bachelor of Information Technology is accredited by the Australian Computer Society as meeting requirements for membership at a 'Professional' level

UOW has experts encompassing the entire breadth of the underlying sciences, IT, engineering and mathematical methodologies in the ICT industry, Working closely with industry partners, we ensure all programs remain relevant to industry trends and developments. You will study real-world projects, interact with, and learn from industry professionals to ensure you're job-ready upon graduation

The Bachelor of Information Technology provides foundation knowledge of organisational areas in IT, including database management, programming; information systems analysis and design, communications and networks. security, eBusiness, project management, web-based technology and user interface design, and professional practice in IT.

You will be able to choose your major in your second year after studying common core subjects that link our computer science, IT and information systems degrees. For students studying at South Western Sydney campus, or those who do not wish to specialise with a major, you will complete advanced subjects providing you with specific knowledge and professional skills in

In your final year you will develop your own application as part of an annual student team project, developing solutions to real-world problems provided by our industry partners.

#### Majors

#### NETWORK DESIGN AND MANAGEMENT DS W



Every major company in the world now relies on networks to survive. Network designers enable governments and businesses to share data and applications to achieve greater strategic advantage through, for example, the use of social media and cloud computing. Whether it's a multinational company with offices throughout the world or a small start-up business, IT networks provide the means by which people can stay connected with each other and the latest information. Network managers ensure networks operate reliably, so their performance is appropriate to the organisation's needs, as well as being made secure from external threats.

By studying Network Design and Management you will develop the skills necessary to build or manage networks to support businesses and governments in a competitive global market.

#### WEB DESIGN AND DEVELOPMENT DS W



Web designers and developers create visual architecture for the web using code that is clean, maintainable, user-friendly and responsive to changing business needs and customer requirements.

This course provides you with the technical knowledge to design and develop effective websites and web applications for online shopping, online auctions, employee kiosks, online catalogues or social networks. You'll learn about issues related to usability, accessibility, navigation, site structure and information architecture.

Careers include web developers, web designers, mobile developers, web database administrators and web analysts

#### Bachelor of Technology

CRICOS	CAMPUS	
103039F	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February

Cyber-physical systems, the Internet of Things (IoT), cloud computing and cognitive computing are changing how we manufacture and organise our work sites. As automation and data exchange in manufacturing technologies become more widespread, and technologies continue to evolve at a rapid rate, the need for technology professionals is steadily increasing.

Bachelor of Technology degree is for the future technologists who will build and secure the networks of the future (Cyber Network Security) and bring about the 4th Industrial Revolution (Industry 4.0).

The degree provides a balanced split between the software and hardware skills, while also providing a strong focus on working in multi-disciplinary teams and the integration of industry experience. During your first year you will study programming, physics, mathematics, electronics and web programming. You will then move on to specialise in either Cyber Network Security or Industry 4.0.

#### Majors

#### CYBER NETWORK SECURITY S W



Cyber Network Security has been identified as a strategic priority in Australia to meet the demands of law enforcement, national and state governments, and our defence, security and finance industries. With the ongoing challenges of national cyber security, it is critically important to secure our national infrastructure such as energy, transport, food, water and services such as healthcare, education, emergency services and finance. In the Cyber Network Security specialisation, you will study subjects in ethical hacking, communication systems, engineering design, electronics, digital hardware, web technology and signals and systems

#### INDUSTRY 4.0 S W

Industry 4.0 focuses on the development of intelligent networking of machines and processes with the objectives of ensuring a competitive manufacturing sector and developing infrastructure for economic growth. In the Industry 4.0 specialisation, you will study autonomous systems, IoT, big data mining techniques and implementation, and cyber security or Al.

#### RELATED COURSES

BACHELOR OF BUSINESS 34	4
BACHELOR OF MATHEMATICS 67	7
DOUBLE DEGREE OPTIONS 30	)







# Engineering

Engineering at UOW focuses on using cutting edge technology to create change that matters. From clean water, to sustainable energy, medical technology and transport that eases congestion, engineers use their skills to improve quality of life across the globe. Our undergraduate program allows you to specialise in a particular field or combine complementary specialisations in a double degree. You will benefit from our strong collaboration with industry and our outstanding reputation in engineering, ranking among the top 100 in the world.\*

\*The Times Higher Education (THE) World University Rankings for Engineering and Technology ranked UOW in 2021 as 92nd in the world, 6th in Australia and

\* QS World University Rankings by Subject 2021.

#### Bachelor of Engineering (Honours)

CRICOS	CAMPUS	
083339G/083341C S	W Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February Session 2 (July)

#### Scholar option available

#### **ACCREDITATION**

UOW's Engineering programs are accredited by Engineers Australia and relevant world engineering bodies through the Washington Accord. This ensures recognition by equivalent professional engineering bodies in the USA, UK, China, Japan, New Zealand, Canada, South Africa, Ireland, Korea, Malaysia. Singapore and other countries. This recognition ensures that graduates from this course are admitted, on application, to the grade of Graduate Membership of Engineers Australia.

#### Majors

#### ARCHITECTURAL ENGINEERING S @

Architectural engineering bridges the gap between the professions of architect and engineer, allowing you to develop your integrative design skills, and inspiring you to create buildings that are functional, efficient, beautiful. stimulating and have minimal environmental impact.

Students will focus on architectural engineering, learning about net zero energy: minimum environmental-impact buildings that are integrated with renewable energy. Study areas include integrative and collaborative design studies, construction technology, history and theory of architectural engineering, project and practice management, and environmental and cultural studies.

#### CIVIL ENGINEERING S W

Civil engineers build and maintain the infrastructure of advanced modern living. They plan, design, construct, operate and maintain everything. including buildings, bridges, tunnels, dams, highways, airports, power plants, and water and sewerage systems.

The later years of the Civil Engineering degree cover structural engineering, water engineering, geomechanics, engineering management, engineering applications and design, materials and transport, and surveying.

#### ELECTRICAL AND ELECTRONICS ENGINEERING S (W)

The Electrical Engineering major focuses on electrical and electronic devices and systems, computer systems, telecommunications and electrical power engineering. Electrical engineers play a vital role in renewable energy generation, heavy industry and manufacturing installations, robotics and automation, mining, and electrical power distribution.

In the Bachelor of Engineering (Honours) Electrical and Electronics Engineering you will study subjects that will give you the specialist knowledge you need to move into the industry, including:

- Power Engineering
- Power Electronics and Drives
- Control System
- Robotics and Flexible Automation

You can choose to specialise in any of the following sub-disciplines:

- Control Engineering focuses on integrated sensors and control systems
- Electronics Engineering focuses on semi-conductors and electronic components in the design and development of engineering systems
- Power Engineering dealing with the generation, transmission and distribution of electricity.

#### MATERIALS ENGINEERING S W

Materials engineers play a key role in reducing environmental impact through recycling, redesigning processes to reduce waste and developing highperformance materials for new energy technologies.

At UOW you will learn to apply knowledge of science and engineering to turn raw materials into finished products, and how the structure and properties of materials can be controlled by composition and processing.

In your third and fourth year of the major you will choose electives from more specialised areas, including engineering alloys: fracture, failure and degradation; polymeric materials; ceramics, glasses and refractories; materials processing and transport; materials science and technology; metallurgical processing; materials forming and manufacturing; and sustainability in materials engineering.

#### MECHANICAL ENGINEERING S W



Mechanical engineers design, build, test and maintain all kinds of machines from robots and cars to space vehicles. They are continually designing. building and testing new forms of environmentally safe technologies, such as solar energy, solar vehicles, and wave and wind energy. They are also involved in advanced manufacturing, materials handling, powder technology, automotive technology and biomechanics.

Technical subjects in the Bachelor of Engineering (Honours) Mechanical Engineering include:

- Mechanical engineering design
- Control of machines and processes
- Manufacturing process analysis
- Manufacturing Engineering Principles
- Sustainable Energy Technologies
- Transport and engine technologies
- Dynamics of engineering systems
- Solids handling and process engineering
- Engineering Fluid Mechanics
- Heat transfer and aerodynamics

#### MECHATRONIC ENGINEERING S W

Mechatronic Engineering is the combination of mechanical electrical and computer technologies. Industrial robots are an example of mechatronic engineering; computer-controlled mechanical arms capable of performing manual labour with greater strength, speed and efficiency than a human.

The reality of the modern world is that computer-controlled systems are commonplace in homes, business and industry. Nearly everyone uses a mechatronic system every day, from washing machines to central airconditioning, cameras and computer printers.

In your third and fourth year of the major you will branch into more specialised areas, including control theory, microcontroller architecture and applications, electronics, mechanical engineering design, foundation in electrical energy utilisation, robotics, and flexible automation.

#### MINING ENGINEERING S W

Mining engineers apply science, geoscience, engineering and technology to the efficient extraction of minerals from the earth, turning raw materials into valuable products. Minerals are a major component of all manufacturing and construction, and the demand for minerals will continue into the future

Mining engineers play an essential role in applying their knowledge of mine design and mining practices to ensure the safety of workers, the protection of the environment and effective rehabilitation at the end of a mine's life.

At UOW, Mining Engineering focuses on the design of engineering systems, with an emphasis on mining methods, ventilation, environmental engineering, rock mechanics, ore reserve estimation, computer modelling and simulation, mineral benefication and mining economics.

The final sessions of the course are professionally orientated with the inclusion of subjects such as mine planning, work health and safety, mine rehabilitation and green mining technology, the environmental sustainability of mining operations and project management.

#### RELATED COURSES:

#### **DOUBLE DEGREE OPTIONS**

# Environmental & Biological Sciences

Studying Environment & Biological Sciences at UOW provides you with the opportunity to ask questions, make new discoveries and find innovative ways to protect our natural world at a time when it is most needed. UOW has close links with industrial and governmental organisations, providing you with opportunities to learn from leading researchers in state-of-the-art laboratories, as well as out in the field. You will graduate with a degree that is recognised as being one of the best in the world.\*

\* UOW ranked in the top 150 universities in the world for Geology and Farth and Marine Sciences, and top 200 for Environmental Sciences in the QS World University Rankings by Subject 2021

#### Bachelor of Conservation Biology (Honours)

CRICOS	CAMPUS	
084861D/084842G DS	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February)

HDS Honours Dean's Scholar available

#### ACCREDITATION

Graduates qualify to apply for membership of relevant professional societies such as the Ecological Society of Australia.

Conservation Biology is the study of the Earth's biodiversity and is concerned with managing and protecting species and ecosystems. Conservation Biologists work with government and non-government agencies to explore the interaction of scientific research with policy and management to develop strategies to minimise the impact of humans on their environment.

The Bachelor of Conservation Biology (Honours) is a practical degree that will give you the knowledge and skills needed to become a conservation biologist and undertake postgraduate research.

Your first year studies in biology, chemistry, and earth and environmental sciences lead to second year studies in how organisms function, plant and animal ecology, and landscape science. In third year your studies will focus on research training and experience in conservation biology and ecology, preparing you for Honours in fourth year where you will expand your knowledge even further through targeted research.

The Bachelor of Conservation Biology (Honours) (Dean's Scholar) offers the same experience, however as a Dean's Scholar, you will be invited to participate in networking, enrichment and mentoring opportunities that will give you a valuable edge when entering the job market.

#### Bachelor of Environmental Science (Honours)

CRICOS	CAMPUS		
085261J/092065K Hons DS	<b>W</b> Wollongong		
IELTS	DURATION	STARTS IN	
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February)	
HDS Honours Dean's Scholar option available			

#### ACCREDITATION

Graduates are eligible for full membership with the Environment Institute of Australia & New Zealand and other relevant professional bodies depending on their disciplinary orientation

Environmental science is a practical and multi-disciplinary science that spans the biophysical, geochemical and social sciences and focuses on the interaction between the living and non-living elements of the world, including the role of human impacts. Environmental scientists assess, research and manage a wide range of environmental issues and provide solutions to emerging environmental problems that face current and future societies. These include climate change, biodiversity, water quality, resource management, waste and pollution and environmental protection and conservation









The Bachelor of Environmental Science (Honours) integrates material from a wide variety of disciplines relevant to the environment and its management. These include science, engineering, management, law, technology and social science. You will be equipped with the knowledge of ethical, social, economic and political aspects of environmental issues. These skills will help you work with other professionals in the environmental field, such as engineers and policymakers.

The superb local marine life, coastal landscapes, nearby rainforest escarpment, and fresh-water and terrestrial ecosystems means that Wollongong is ideally located for environmental science studies. Students are exposed first-hand to a wide range of urban, rural and ecological issues during practical fieldwork components of the degree. You will graduate with real-world experience, having partnered on the delivery of a major project with an external agency in your final year, and will be ready for a career in government, educational and research organisations, private industry, and consultancies.

#### Bachelor of Engineering (Honours)

CRICOS	CAMPUS	
083339G/083341C S	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February) Session 2 (July)

Scholar option available

#### ACCREDITATION

UOW's Engineering programs are accredited by Engineers Australia and relevant world engineering bodies through the Washington Accord. This ensures recognition by equivalent professional engineering bodies in the USA, UK, China, Japan, New Zealand, Canada, South Africa, Ireland, Korea, Malaysia, Singapore and other countries. This recognition ensures that graduates from this course are admitted, on application, to the grade of Craduate Membership of Engineers Australia.

#### Majors

#### BIOMEDICAL ENGINEERING S W

Biomedical Engineering is a multi-disciplinary degree that enables engineers to combine engineering principles with biological and medical sciences. Developments in biomedical engineering provide vital skills and knowledge to enable change to the national health system and improve people's lives, for example developments in imaging, instrumentation, robotics, biomedical scaffolding, materials engineering, computer science and prosthetics.

You will study areas related to mechanical and electrical engineering, artificial intelligence (e.g. evolutionary computation, neural network, fuzzy logic, machine learning) and aspects of modern biomedical systems. You will develop a solid understanding of critical issues involved in developing biomedical systems in a global economy and significant technological contributions to biomedical systems, both in Australia and abroad.

#### ENVIRONMENTAL ENGINEERING S W

Environmental engineers develop engineering solutions to problems that impact our land, water and air quality, with a focus on sustainable development. At UOW, Environmental Engineering embraces broad environmental concerns, water quality and supply, groundwater protection and remediation, wastewater treatment, indoor and outdoor air pollution, solid and hazardous waste disposal, supply of safe drinking water, cleaning contaminated sites, preserving sensitive wetlands, and prevention of pollution through product and process design.

In your third and fourth year of the major you will branch into more specialised areas, including water quality engineering, air and noise pollution control, solid and hazardous waste management, environmental engineering design, and site remediation.

#### Bachelor of Science

CRICOS	CAMPUS	
003283D/094538K Hons DS	<b>W</b> Wollongong	
IELTS	DURATION*	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Hons DS	Session 1 (February), Session 2 (July)

\*For students studying Chemistry starting in Spring, the duration will be 3.5 yr/4.5 yr Hon DS

ACCREDITATION & PROFESSIONAL RECOGNITION

**Cell and Molecular Biology major:** Graduates qualify to apply for membership of relevant professional societies, such as the Australian Society for Biochemistry and Molecular Biology and the Australian Society for Microbiology.

**Ecology and Conservation Biology major:** Craduates qualify to apply for membership of relevant professional societies, such as the Ecological Society of Australia.

**Geology major:** Professional Geologist: select a full range of third year Geology subjects and complete Honours year to meet professional requirements.

Marine Science major: Graduates qualify to apply for membership of relevant professional societies, such as the Australian Marine Sciences Association.

Science is one of humanity's greatest collective endeavours. Scientific knowledge underpins and advances societies globally via the exploration of knowledge frontiers in an expanding array of disciplines. Scientific and technological advances increase the quality of our lives and guide our care of Earth's complex systems. The scientific community is constantly responding to societal needs, natural hazards and global challenges.

The Bachelor of Science gives students the opportunity to investigate global issues that affect society and work within interdisciplinary teams to explore creative solutions. A common first year will bring all science students together into the same set of subjects allowing students to make connections and be part of a broader scientific community, regardless of the major they eventually choose. The common first year subjects include chemistry, biology, geology, earth and environmental sciences, geospatial science and maths. This allows you the flexibility of choice of your major in the later years of your degree. It provides a broad knowledge base in science and ensures that you have the foundational, pre-requisite subjects to take on any pathway for your second year and beyond.

Students can choose from the following majors.

#### Majors

#### CELL AND MOLECULAR BIOLOGY

HDS Honours Dean's Scholar option available

The Bachelor of Science major in Cell and Molecular Biology at UOW encompasses the exciting and rapidly evolving fields of biochemistry, microbiology, immunology, molecular and cellular biology. These areas of study deal with the nature of biological phenomena at the molecular level. In this major you will investigate the processes that occur within and between cells, including genetic processes, the way cells carry nutrients, and how diseases attack healthy cells. You will learn about DNA and RNA, proteins, and other molecules involved in a variety of cell functions, including the transmission of genetic information. You will also use advanced tools and techniques for separation, manipulation, imaging and analysis.

Cell and molecular biology is one of the most rapid growth areas in science. This field incorporates fundamental components of biological and medical science and has an increasingly important role in many aspects of modern medicine, genetics, evolutionary biology, genomics, bioinformatics and biotechnology. This major will provide you with the skills and knowledge to enter careers in biomedical science and the biotechnology industry.

#### **ECOLOGY AND CONSERVATION BIOLOGY\***

HDS Honours Dean's Scholar option available

Ecology is the study of interactions among organisms and their environment, and conservation biology applies an understanding of these interactions for managing and protecting species and ecosystems. Ecologists and conservation biologists are broadly-trained, using the latest scientific knowledge, tools and techniques in both laboratory and outdoor settings to develop solutions across the areas of biodiversity, conservation, ecology, evolution, genetics, marine biology, medical research, and molecular biology. Evolution underpins biological science and can be used to predict phenomena, such as understanding the emergence of antibiotic-resistant organisms, and the ways in which different species might respond to global warming. Ecologists and conservation biologists work across all scales of biology, from molecules within organisms to populations of organisms and the ecosystems they form.

The Bachelor of Science major in Ecology and Conservation Biology incorporates field and laboratory studies at all levels, providing extensive opportunities for hands-on learning both within UOW's modern laboratories, and in the superb marine, freshwater, terrestrial and urban environments of the South Coast and inland regions. The specialist conservation biology training, combined with a broad background in biology, ecology and evolution will give you the knowledge and skills sought in a wide range of government and industry organisations that conduct or facilitate research or use research as a basis for advising on policy, both in Australia and internationally.

#### ENVIRONMENT

Environmental science is the study of the interaction between living and non-living elements of the environment, and how humans impact on these elements. Environmental scientists use a multi-disciplinary knowledge base to assess, research and manage a wide range of environmental issues. They explore, discover and apply new ideas about the environment to provide solutions to environmental problems that are becoming increasingly apparent and challenging worldwide. Information is provided to society by establishing policies for resource management and environmental protection.

The Bachelor of Science major in Environment is a multi-disciplinary degree that draws together concepts from geosciences, biological sciences, chemistry and physics. This degree develops wide-ranging capabilities involving fieldwork, mapping, computing and laboratory skills. The superb local marine and coastal habitats, amidst fresh water and terrestrial ecosystems means Wollongong is ideally located for unique field experiences to enhance studies of the environment. This course is ideal if you would like to complete a science-based environmental degree with career paths in environmental assessment, monitoring and management, or to consider trending jobs related to environmental sustainability, renewable energy, transitions from rural to urban landscapes, and urban greenspaces.

#### GEOLOGY

**HDS** Honours Dean's Scholar option available

Geology is the scientific study of the physical structure and composition of the Earth and the processes that shape our planet through time.

Geologists play a critical role in the discovery, sustainable extraction and management of Earth's resources.

The Bachelor of Science major in Geology combines a range of skills involving fieldwork, laboratory techniques and problem-solving skills to address key questions relating to our planet. These range from mapping the Earth from space, to examining the record of long-term climate change, to monitoring natural hazards, as well as to find critical metals required for high-tech industry and renewable energy storage.

This degree will provide numerous potential career pathways as exploration and resource geologists in mining and energy industries, geohazard mitigation, in environmental remediation (e.g. waste management, water), geotechnical engineering, government, and cutting-edge research in universities.

#### MADINE SCIENCE

**HDS** Honours Dean's Scholar option available

Marine Science is the study of the ocean. Marine scientists look into the biological nature and capacity of oceans, their impact on human society, and the conservation and environmental management of marine and coastal resources and regions. They spend their time observing, defining and experimenting with coastal processes, biodiversity and climate change, as well as using emerging technologies to ensure the sustainable management of these environments.

The Bachelor of Science (Marine Science) takes advantage of the diverse NSW South Coast environment, which is an ideal location to undertake specialist marine training. This setting provides substantial fieldwork opportunities in addition to the extensive laboratory-based learning you will undertake during the course. The specialist marine training, combined with a broad background in biology and geosciences opens up a range of employment opportunities in government and industry organisations such as State Fisheries, CSIRO, museums, local councils and environmental organisations.

You will study common core science subjects early in this degree before focusing on subjects fundamental to your understanding of marine science; Biodiversity of Marine and Freshwater Organisms, Ecology, Oceanography, Conservation Biology, Marine and Terrestrial Ecology, Coastal Environments, Fisheries and Aquaculture.

#### PHYSICAL GEOGRAPHY

**HDS** Honours Dean's Scholar option available

Physical Geography is the study of patterns and processes operating at the Earth's surface, incorporating the atmosphere, oceans, rivers and glaciers, soils, rocks and everything that lives on and within them. You will examine a range of contemporary, 21st century research challenges on a local and global scale, and utilise your skills and knowledge to help address these in innovative ways.

The Bachelor of Science major in Physical Geography includes fieldwork, practical experience and research. Your learning experience will take advantage of Wollongong's superb setting amidst a variety of landscapes, soils and rivers, as well as freshwater and terrestrial ecosystems unique to the Illawarra. You will learn a range of skills and techniques, including landform interpretation, geochemistry and geochronology in addition to the application of the latest technologies in spatial sciences, such as global positioning, geographic information systems (GIS) and remote sensing (drones and earth observation satellites). This degree will present wide-ranging career pathways which may include coastal or estuarine management officer, environmental consultant, spatial data officer, hydrologist, soil scientist and geoscientist.

#### **RELATED COURSES:**

	BACHELOR OF BIONANOTECHNOLOGY (HONOURS)	67
	BACHELOR OF SCIENCE (CHEMISTRY)	68
	BACHELOR OF SCIENCE EDUCATION	43
	BACHELOR OF MEDICAL BIOTECHNOLOGY (HONOURS)	47
е	DOUBLE DEGREE OPTIONS	30







# Maths, Physics & Chemistry

Turn your inquisitive nature into a career by studying Maths, Physics & Chemistry at UOW. With courses ranking among the top 200 in the world\*, your study at UOW will teach you to ask important questions and you will learn how to use the answers to solve complex problems and advance society. Our degrees are regularly reviewed by industry experts to ensure you gain skills that are current, in demand and are easily transferable to all industries and careers.

\* UOW ranked in the top 200 for Chemistry, and Statistics and Operational Research in the QS World University Rankings by Subject 2020. UOW Physical Sciences has been ranked among the world's top 150 in the 2021 Times Higher Education World University Rankings by Subject.

#### Bachelor of Bionanotechnology (Honours)

CRICOS	CAMPUS	
090881E/090882D DS	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February

HDS Honours Dean's Scholar available

Bionanotechnology is an emerging field that combines principles from biology, physics, chemistry, and mathematics to understand and control biological processes at the molecular level. Using bionanotechnological approaches, revolutionary advances are occurring in diagnostics, molecular imaging and the manipulation of individual molecules. This is driven by fresh interdisciplinary approaches and the application of new tools including cryo-EM imaging, laser and photon-based techniques and computational methods

This degree will give you the knowledge and concepts associated with bionanotechnology, knowledge of the principles from biology, physics, chemistry, and mathematics associated with the understanding and control of biological processes at the molecular level. In the final year, you will undertake a substantial piece of supervised research, together with other required seminar and/or course work.

A Bachelor of Bionanotechnology (Honours) will place you in a unique position to undertake a rewarding, interdisciplinary career in biotech industry, pharmaceutical industry, academic biomedical and molecular research, government policy, patent law, and many other fields.

#### Bachelor of Data Science and Analytics

CRICOS	CAMPUS	
099971G	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs	Session 1 (February),
ACCREDITATION		

Accreditation pending with the Statistical Society of Australia.

Huge increases in the volume of data available in science, industry, commerce and governments have led to a growing demand for professionals who can design, organise, manage and manipulate databases. Professionals who have the ability to work with data sets of differing size and complexity, then analyse and extract useful and practical insights and information, and communicate these findings to a range of audiences, will become increasingly important in the workplaces of the future.

The Bachelor of Data Science and Analytics teaches highly-transferable skills in problem solving, data analysis, statistics and variability, statistical and mathematical modelling.

This degree is designed for students who wish to develop strong and rigorous mathematical, statistical and computing skills, and good communication and consulting skills which will allow them to pursue careers in data-driven industries.

#### Bachelor of Mathematics

CRICOS	CAMPUS	
002936B/036040F Adv	<b>W</b> Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Adv	Session 1 (February), Session 2 (July)

Advanced option available

The Bachelor of Mathematics Advanced is available to students who have achieved outstanding results at the highest level of mathematics in high school, or have equivalent level of knowledge on entry to UOW. This elite degree offers an accelerated program of studies to high-achieving students with a passion for mathematics. A unique feature of our advanced program is undergraduate research projects, which allow students to undertake an investigation into a specific area of mathematics and statistics under the supervision of a member of staff from the School of Mathematics and Statistics.

There are opportunities for scholarships from corporate partners, summer research scholarships and access to programs of the Australian Mathematical Science Institute (AMSI) and inter-university courses via our Access Grid Room.

An alternative path for entry to the advanced program is by invitation for the students in the Bachelor of Mathematics degree who achieve outstanding results in their first year study in mathematics subjects.

#### Majors

#### APPLIED MATHEMATICS A W

Applied Mathematics is the basis for successful decision-making and problem-solving with just about every industry now dependent on handling and interpreting data, and predicting and modelling outcomes. The Applied Mathematics major gives you quantitative skills that are in demand across all industries and prepares you for employment as a professional mathematician in a wide range of scientific and commercial enterprises.

#### APPLIED STATISTICS A W

A major in Applied Statistics equips you with the essential skills and knowledge of a professional statistician: logic, problem-solving, mathematical and statistical modelling, experimental design, as well as the ability to organise, analyse and interpret large amounts of data. You will study subjects that include estimation and hypothesis testing, applied probability and financial risk, linear and generalised models, statistical inference, and sample surveys and experimental design.

#### PURE MATHEMATICS A W

Pure Mathematics is concerned with exploring patterns and solving problems; it can provide new insights into nature, technology and business, and create a pathway for innovative solutions. Pure Mathematics focuses on developing and analysing unifying mathematical concepts and principles through deductive reasoning.

You will study subjects in pure mathematics and in applied mathematics and statistics

#### Bachelor of Mathematics and Finance (Honours)

CRICOS	CAMPUS	
085498K/085501J DS	Wollongong	
ELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	4yrs	Session 1 (February), Session 2 (July)

#### DS Dean's Scholar available

#### ACCREDITATION

FASEA: The Bachelor of Mathematics and Finance (Honours) major in Financial Planning and the Bachelor of Mathematics and Finance (Honours) (Dean's Scholar) Major in Financial Planning is approved by FASEA. Students graduating with these degrees automatically satisfy the educational requirements to become a Financial Planner AFP® and allow for entry into the CFP® Certification program.

FTA: The Bachelor of Mathematics and Finance (Hons) is a recognised discipline with the Finance and Treasury Association (FTA).

FINSIA: Students are eligible for Affiliate Membership of the Financial Services Institute of Australasia (FINSIA).

Bankers, investment managers, insurance companies and financial companies all rely on financial mathematics to survive and stay ahead of the competition. The Bachelor of Mathematics and Finance (Honours) teaches you the skills to apply sophisticated mathematical and statistical techniques to realworld problems. You are also encouraged to develop computing and communication skills, which are assets in the job market.

Bachelor of Mathematics and Finance graduates work in all areas of industry and government as risk managers, investment advisers, traders, financial analysts and more.

All students complete a Mathematics and Finance Honours project.

#### Majors

#### FINANCIAL PLANNING DS W

Financial Planning is the design of specific financial outcomes that meet a client's unique needs and objectives, given their financial resources and risk profile. Its broad approach is to fulfil clients' total needs.

Subjects you'll study include investment analysis, advanced corporate finance, retirement and estate planning, taxation for financial planners, risk and insurance, and advanced financial planning.

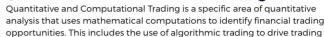
#### MATHEMATICAL ECONOMICS DS W

Mathematical Economics allows us to use mathematical principles and formulae to analyse problems in the economy. It enables us to conduct quantifiable tests and create models to predict future economic activity and economic behaviour.

Subjects you'll study include macroeconomic theory and policy, microeconomic theory and policy, advanced corporate finance, applied financial modelling, and financial economics.

#### OUANTITATIVE AND COMPUTATIONAL TRADING DS @

decisions usually in electronic financial markets



Subjects you will study include investment analysis, Object Oriented Design and Programming, statistical inference and introduction to model building, portfolio analysis, advanced corporate finance, stochastic methods in statistical analysis, financial economics, and data mining and knowledge discovery.

#### QUANTITATIVE CORPORATE FINANCE AND INVESTMENTS DS W

The Quantitative Corporate Finance and Investments major looks at the funding source and the capital structure of corporations. It examines tools and analysis used in corporate and business financial decision-making from a quantitative perspective.

Subjects you'll study include investment analysis, portfolio analysis, financial mathematics, stochastic methods in statistical analysis, advanced corporate finance, linear and generalised linear models, and partial differential equations.

#### RISK MANAGEMENT AND INSURANCE DS W

Risk management and insurance covers a wide range of activities, including assessing, quantifying, monitoring and mitigating financial risk exposures for projects, companies and financial institutions. It also monitors compliance with relevant financial regulations.

Subjects you will study include financial mathematics, risk and insurance, advanced corporate finance, stochastic methods in statistical analysis, financial economics, and statistical inference and introduction to model building.

#### Bachelor of Medical and Radiation Physics

CRICOS	CAMPUS	
052461G/085499J Adv Hons	Wollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Adv	Session 1 (February) Session 2 (July) <sup>o</sup>

#### Advanced option available

#### $\diamond$ Session 2 entry: due to subject prerequisites, study duration is 3.5 years. ACCREDITATION

The Bachelor of Medical and Radiation Physics degree is accredited by the Australasian College of Physical Scientists and Engineers in Medicine (ACPSEM), USA Commission on Accreditation of Medical Physics Education Programs (CAMPEP) and the Australian Institute of Physics (AIP).

Medical and radiation physicists work in many different fields related to human health in order to improve quality of life. Radiation medicine includes various forms of therapeutic radiation oncology, different methods of diagnostic radiation imaging. Medical and radiation physicists are experts in ionising and non-ionising radiation used for radiation medicine. They are also experts in the mechanisms of how such radiation interacts with the human body and radiation protection. In hospitals, their role is to work closely with radiologists, radiation oncologists, nuclear technologists and radiotherapists. They are experts in

medical radiation technology for radiation medicine. In industry, they invent exciting new technologies to continually improve hardware and software for the diagnosis and treatment of human diseases.

The Bachelor of Medical and Radiation Physics is very hands-on with large practical components in all subjects to complement the underlying theoretical physical principles of medical radiation physics.

To ensure the highest level of industry engagement, professional medical physicists from major hospitals and keynote speakers from industry will deliver key lectures and practical work opportunities, and will co-supervise research projects. You will graduate with a strong background in physics as well as the specialist theoretical, practical and programming skills in radiation medicine, which are necessary to find employment in hospitals, research laboratories or related industries.

The Advanced degree includes a substantial research component and is designed to produce graduates with the specialist skills necessary to find employment in hospital radiation oncology and nuclear medicine departments in academic institutions or industry.

#### Bachelor of Science

CRICOS	CAMPUS	
003283D/094538K Hons DS	Wollongong	
IELTS	DURATION*	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Hons DS	Session 1 (February) Session 2 (July)

\*For students studying Chemistry starting in Spring, the duration will be 3.5 yr/4.5 yr Hon DS

**HDS** Honours Dean's Scholar option available

#### ACCREDITATION & PROFESSIONAL RECOGNITION

Chemistry major: Completion of the Bachelor of Science with a major in Chemistry, qualifies graduates for membership of the Royal Australian Chemical Institute.

Science is one of humanity's greatest collective endeavours. Scientific knowledge underpins and advances societies globally via the exploration of knowledge frontiers in an expanding array of disciplines. Scientific and technological advances increase the quality of our lives and guide our care of Earth's complex systems. The scientific community is constantly responding to societal needs, natural hazards and global challenges.

The Bachelor of Science gives students the opportunity to investigate global issues that affect society and work within interdisciplinary teams to explore creative solutions. A common first year will bring all science students together into the same set of subjects allowing students to make connections and be part of a broader scientific community, regardless of the major they eventually choose. The common first year subjects include chemistry, biology, geology, earth and environmental sciences, geospatial science and maths. This allows you the flexibility of choice of your major in the later years of your degree. It provides a broad knowledge base in science and ensures that you have the foundational, pre-requisite subjects to take on any pathway for your second year and beyond.

#### CHEMISTRY HDS W

Chemistry is the study of the molecular nature of all matter and its interactions. The relationship between molecular structures and their properties and reactivity give chemistry an essential, central position in science and technology. Chemistry is key to making new medicines, developing new materials and fuels as well as understanding biological processes at the molecular scale. It also plays a critical role in ensuring we have clean air and water through the study of environmental chemistry and the development of green chemical manufacturing processes.

You will study the fundamentals of Chemistry with an emphasis on molecular structure and activity across the areas of physical, medicinal, biological, computational/theoretical and synthetic chemistry in our state-of-the-art laboratories. You will also have the opportunity to take part in authentic research projects with academic staff. The combination of practical laboratory experiences and conceptual understanding gained will give you transferable skills across a number of disciplines and career areas, including the pharmaceutical/biotech industry, management and public policy.

The degree will provide you a deep understanding of molecular processes vital to tackle the challenges of the 21st century including energy, new materials, disease and health.

#### RELATED COURSES:

BACHELOR OF MATHEMATICS EDUCATION	43
BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE AND BIG DATA)	61
BACHELOR OF MEDICAL BIOTECHNOLOGY (HONOURS) (DS)	47
BACHELOR OF MEDICINAL CHEMISTRY (HONOURS) (DS)	47
DOUBLE DEGREE OPTIONS	30

#### Bachelor of Science

CRICOS	CAMPUS	
031274F/085500K Adv Hons	WWollongong	
IELTS	DURATION	STARTS IN
Overall: 6 (R:6, W:6, L:6, S:6)	3yrs/4yrs Adv	Session 1 (February) Session 2 (July)

Advanced option available

ACCREDITATION

The following physics degrees conform to the requirements for membership of the Australian Institute of Physics.

Physics is a fundamental science and the foundation of engineering and other applied sciences. Physicists contribute solutions in a broad range of areas, ranging from medicine and defence to financial systems and artificial intelligence. Physicists have a very solid knowledge of the physical universe and apply this knowledge to initiate new and innovative ideas to further human development.

#### Majors

#### ATMOSPHERIC SCIENCE A W

Progress in atmospheric science relies heavily on the analysis of data produced by satellite-borne and other types of instruments designed by physicists. Atmospheric scientists need a broad scientific basis as well as experience in computing. With the growing field of climate science and increasing demand for tools and instruments to predict and monitor the environment, atmospheric scientists use their broad range of skills to contribute toward innovations in design and prototyping of instruments, and the analysis and interpretation of data. This degree will suit students who possess both an aptitude for physics and mathematics alongside a broad interest in science.

#### BIOMOLECULAR PHYSICS A W

Biomolecular physicists are integrated across a wide range of careers, including commercial bio-medicine, instrumentation and biotech companies (e.g. Sigma and Life Technologies). They assist in developing molecular diagnostic instrumentation for government and institutional research laboratories. They can also assist beamline scientists at National Research Facilities (e.g. ANSTO and the Australian Synchrotron).

Biomolecular physicists work closely with other scientists with an aim to develop a better understanding of diseases and improve treatment, diagnosis and recovery for a range of medical conditions. They seek to develop new methods and technology to assist with better food processing and preservation. This major will excite and challenge students with an aptitude for physics and mathematics, and an interest in biology and chemistry.

#### PHYSICS A W

Physics teaches you highly transferable skills that enable analysis and optimisation across many industries. You'll learn problem-solving, critical-thinking and analytical skills that are in demand across all government and

You will learn the basis for making, interpreting and extending observations relating to the behaviour and structure of matter. You will study mechanics, thermodynamics, electricity and magnetism, vibrations, waves, optics and modern quantum and statistical mechanics, with options in cosmology, astrophysics, energy and environmental physics, complemented by advanced maths subjects.

#### PHYSICS & MATHEMATICS W

This Physics and Mathematics major provides you with a deeper understanding of the complementary areas of physics and mathematics. You will learn the basis for making, interpreting and extending observations relating to the behaviour and structure of matter. When you choose this major, you will study mechanics, thermodynamics, electricity and magnetism, vibrations, waves, optics, and modern, quantum and statistical mechanics. This will be complemented by a number of advanced mathematics subjects.

On completion you will be eligible for employment in areas requiring qualifications in physics and mathematics and you will be particularly equipped for work in areas where you will undertake mathematical modeling of physical systems, for example in meteorology.

# Howtoapply



a bachelor's degree.

Students who have completed a diploma or higher level program, or partially completed a bachelor's degree, may apply directly for admission with credit transfer (sometimes referred to as 'advanced standing', 'exemptions' or 'recognition of prior learning'). For a full listing of preapproved credit transfer arrangements in more than 15 countries, visit:

uow.info/credit-transfer

#### APPLICATIONS ARE FREE OF CHARGE

You can apply online at **apply.uow.edu.au** or download an application from **uow.info/intnl-apply** 

For details of authorised UOW representatives worldwide, and for assistance with the application process, visit: **uow.info/intnl-apply** or email **futurestudents@uow.edu.au** 

#### FEES

For international tuition fees, please see **uow.info/fees** 

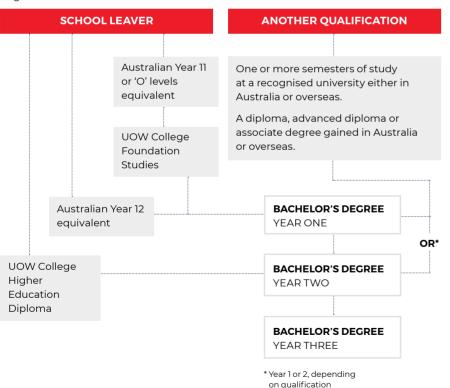
## CLOSING DATES FOR COURSE APPLICATIONS

For most courses, applications can be submitted at any time throughout the year, up to two weeks before the start of each session. However, applicants need to allow time for their application to be assessed, to apply for a visa and to include any period of English language study they might require. Late applications may be assessed on a case-by-case basis.

Please refer to the course information for application closing dates.

# Pathways

Whether you hold a school leaver qualification from Australia or overseas, or have completed diploma-level studies or Year 11 equivalent, there is a pathway to a bachelor's degree at UOW.



#### VISA REQUIREMENTS

As an international student you may have to meet the English language requirements based on your citizenship for visa purposes, as advised by the Department of Home Affairs. Please refer to **homeaffairs.gov.au** for more details

# English language requirements

There are a number of ways that you can demonstrate your English language skills before you start your study at UOW. All students are required to provide evidence of satisfying English language requirements. For full details go to **uow.info/english-requirements** 

#### WHAT IS THE ENGLISH REQUIREMENT FOR MY COURSE?

The English requirement for each course is shown in the course description. The requirements are shown in terms of the IELTS academic test requirements, for example: "IELTS: 6.0 (R:6, W:6, L:5, S:5)"

This means that the English requirements are a minimum overall score of IELTS 6.0, with at least 6.0 in reading and writing, and 5.0 in speaking and listening.

#### HOW DO I MEET THE ENGLISH REQUIREMENT FOR MY COURSE?

Results in the major international English language tests are accepted, including IELTS, TOEFL, and Pearson and Cambridge, where the test has been taken within two years of commencement at UOW. The equivalent scores for overall and individual band scores in the TOEFL and Pearson Test of English (academic tests) can be determined by using the table below:

Test	Overall	Reading	Writing	Speaking	Listening	Overall	Reading	Writing	Speaking	Listening	Overall	Reading	Writing	Speaking	Listening
IELTS	6.0	6.0	6.0	6.0	6.0	6.5	6.5	6.5	6.5	6.5	7.0	7.0	7.0	7.0	7.0
TOEFL	70	18	18	17	17	86	22	22	19	19	98	25	25	22	22
Pearson (PTE)	54	54	54	47	47	62	54	54	54	54	69	69	69	62	62

The English language requirement can also be satisfied by completing a 'direct entry' English course with UOW College Australia. UOW recognises a number of other English language pathway courses offered by English language centres in Sydney. For further detail, please email futurestudents@uow.edu.au

# Previous study in English

Applicants may meet the English language requirement based on successful study in English in Australia or offshore. Previous study in English is considered on a case-by-case basis and does not automatically meet UOW's English language requirement.

Previous qualifications must have been completed within two years of commencement

#### STUDY IN AUSTRALIA OR AUSTRALIAN QUALIFICATIONS OFFSHORE

The following qualifications are accepted as meeting the University's English language requirement:

- Year 12 in Australia, or any Australian Year 12 qualification completed offshore;
- Foundation Studies, Certificate IV or Diploma with a minimum duration of one year (full-time) completed in Australia; or any of these qualifications completed at an Australian institution offshore;\*
- At least one year (full-time) of study toward a bachelor or master's degree in Australia, or at an Australian institution offshore.\*
- \* For students applying for Bachelor of Nursing these exceptions do not apply. Students must meet English conditions by providing their IELTS, TOEFL, OET, or PTE results, equivalent to IELTS 7.0 overall, with no less than 7.0 in each band.

#### OTHER QUALIFICATIONS COMPLETED IN ENGLISH

Applicants may be considered as meeting the English language requirements if they have successfully completed two years of secondary or tertiary study at an approved institution where: the language of instruction was English; and the institution is located in the Bahamas, Barbados, Canada, Fiji, Ireland, Jamaica, New Zealand, Papua New Guinea, Samoa, Singapore, Solomon Islands, South Africa, Tonga, Trinidad & Tobago, UK or USA.

Academic transcripts and an official letter from the institution certifying that English was the sole language of instruction and assessment must be provided.

English for Tertiary Studies (ETS) provides a direct entry pathway to undergraduate and postgraduate study at UOW without the need to sit an IELTS or other external test. ETS is available in 6, 12 or 18 week programs.

If you require a longer course, you can enrol in English for Academic Purposes, and progress through to ETS to gain entry to UOW!

UOW College Australia also offers IELTS preparation courses and the study skills program: Introduction to Academic Studies. For more information on our English language programs, visit uow.college/english-tert-studies

#### ENGLISH COURSE LENGTH ESTIMATOR

The following table provides a guide to the length of the English course you may require, depending on your current English language proficiency.

	SCORE AT TIME OF APPLICATION  ESTIMATED TIME REQUIRED TO REACH ENTRY SCORE (WEEKS)							
Level	IELTS / TOEFL <sup>2</sup>	IELTS 5	IELTS 5.5	IELTS 6	IELTS 6.5	IELTS 7		
	6.5 / 86					12		
Advanced	6 / 70		•	6³	12	18		
	5.5 / 54	•	6 <sup>4</sup>	12	18	24		
Intermediate	5/40	•	12	18	24	30		
	4.5	12	18	24	30	36		
	4	18	24	30	36	42		
Lower intermediate	3.5	24	30	36	42	48		
Elementary	3	30	36	42	48	48+		
	• · · · · · · · · · · · · · · · · · · ·	•	· •········		· • · · · · · · · · · · · · · · · · · ·	•		

#### ENGLISH START DATES TO PREPARE FOR ENTRY TO UOW COURSES

FOR ENTRY TO UOW SESSION		START DATE BY LENGTH (WEEKS) OF ENGLISH COURSE REQUIRED*										
		48	42	36	30	24	18	12	6			
2022	Session 1	22 Feb	6 Apr	17 May	5 July	16 Aug	27 Sep	8 Nov	10 Jan			
	(Feb)	2021	2021	2021	2021	2021	2021	2021	2022			
2022	Session 2	5 July	16 Aug	27 Sep	8 Nov	10 Jan	28 Feb	11 Apr	23 May			
	(July)	2021	2021	2021	2021	2022	2022	2022	2022			

Please refer to the website for the most accurate information: uow.college/key-dates





My English language teacher helped me a lot with my language skills. In the beginning I couldn't speak English at all, but he was really patient and he inspired me. He encouraged me to speak, to communicate with him in the class and after class. He is the person who helped me most in my uni life.

#### **Huang Ye Lu**

Bachelor of Nursing

# UOW College Australia Academic & Vocational Programs

UOW College Australia Foundation
Studies Programs and Higher Education
Diplomas provide academic preparation
and guaranteed\* entry into a range of
UOW bachelor degrees. Higher Education
Diplomas are equivalent to the first year
of university and provide direct entry to
the second year of related UOW bachelor
degrees. Foundation Studies provides entry
to the first year of most UOW bachelor
degrees. Subjects are offered across four
streams to provide access to most course
areas offered by the University.

UOW College Australia also offers nationally recognised Vocational qualifications designed to provide you with eligibility to apply for a UOW degree and, in some cases, provide direct entry to university and credit for some subjects.

All UOW College Australia Foundation Studies, Higher Education Diplomas and Vocational Programs are offered at the UOW Wollongong campus, with the Diploma of Business and Diploma of Information Technology also offered at UOW South Western Sydney campus in March (2 Session – 8 months) and October (3 Session – 12 months) only.

For further information, please visit **uowcollege.edu.au** 

COURSE	DURATION	CRICOS CODE	ENGLISH REQUIREMENT	INTAKE	PATHWAY TO UOW	
<b>University Preparation</b>	Courses					
Foundation Studies Program (2 Session) #	8 months	007732G	5.5 (R,W 5)	February, June and	lst year of most UOW	
Foundation Studies Program – Extended #	12 months	023266F	5 (R,W 5)	October	bachelor degrees^	
Higher Education Diplo	mas					
Diploma of Business (2 Session)	8 months	057231C	6 (R,W 5.5)	February, June and	2nd year Bachelor of Business or	
Diploma of Business (3 Session)	12 months	057232B	5.5 (R,W 5)	October	Commerce	
Diploma of Engineering (2 Session)	8 months	083351A	6 (R,W 5.5)	February	2nd year Bachelor of Engineering (Honours)	
(3 Session)	12 months	091524G	5.5 (R,W 5)	October		
Diploma of Information Technology (2 Session)	8 months	057233A	6 (R,W 5.5)	February, June and October	2nd year Bachelor of Information	
Diploma of Information Technology (3 Session)	12 months	057234M	5.5 (R,W 5)	February, June and October	Technology, Business Information Systems or Computer Science	
Diploma of Science (2 Session)	8 months	0101922	6 (R,W 6)	February	2nd year	
Diploma of Science (3 Session)	12 months	057232B	5.5 (R,W 5)	October	Bachelor of Science	
Vocational Diploma			-			
HLT54115 Diploma of Nursing	18 months	094531F	7 (all bands)	January and July	Apply for Bachelor of Nursing	

<sup>#</sup> This course is accredited by the University of Wollongong (CRICOS: 00102E) and is delivered by UOW College Australia. UOW College and UOW College Australia (CRICOS: 02723D: RTO: 91159) are registered business names of UOWC Ltd (ABN: 14 105 312 329).



<sup>1.</sup> While UOW College Australia English Language Programs are registered independently on CRICOS (English for Academic Purposes – CRICOS Code 057131G; English for Tertiary Studies – CRICOS Code 059174B; Introduction to Academic Studies – CRICOS Code 057141E; and, Preparation for IELTS – CRICOS Code 057142D), letters of offer and enrolments will be made under CRICOS Code 069912A English Language Programs (Beginner to Advanced) which enables study of multiple English language programs at UOW College Australia. UOW College Australia (CRICOS Code 02723D) is a registered business name of UOWC Ltd (ABN 14 105 312 329).

<sup>2.</sup> TOEFL (internet)

<sup>3.</sup> For applicants with 6 overall, but 5.5 in either reading and writing

<sup>4.</sup> For applicants with 5.5 overall but less than 5 in reading and writing. Applicants may require further weeks of English if they have lower scores in reading and writing components.

<sup>\*</sup> Guarantee is subject to meeting UOW entry requirements.

 $<sup>{}^{\</sup>wedge}\,\text{Excludes}\,\text{4-year professional degrees, double degree programs or bachelor degrees in Social Work, Nursing, and Economics}$ 

<sup>&</sup>amp; Finance at UOW. Foundation Studies students study a stream of subjects relevant to their chosen UOW degree.

# See for yourself

#### **BOOK YOUR TOUR**

#### uow.edu.au/future/visit

If you're in Australia you can book a free tour of UOW Wollongong or South Western Sydney (Liverpool) to see our world-class campuses for yourself. Our tours are run by current UOW students who can answer all of your questions about study and student life at UOW.

If you can't make it to a UOW campus you can visit the website to take a virtual tour of our Wollongong or South Western Sydney campus.

#### **SOCIAL MEDIA**

facebook.com/UOW instagram.com/uow facebook.com/uowsas facebook.com/UOWVietnameseStudents





WeChat

Weibo

## More information

uow.edu.au/study/international



Within Australia: 1300 367 869

International: +61 2 4221 3218

futurestudents@uow.edu.au

Chinese language site: **uowaustralia.com** 

#### **EDUCATION AGENTS**

UOW works with a range of agencies and organisations around the world to help you with the process of applying to study here. A UOW international representative in your home country can assist with every step of the application process. For your closest representative, please see our agent list at

uow.info/agent-list

