UNSW AUSTRALIA

International Student Guide 2016
Undergraduate

Never Stand Still

RISE TO THE TOP

With Australia's world-leading university

Contents

Digital journey

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Welcome to UNSW Australia

Your successful career starts here

Choosing a university is one of the most exciting yet difficult decisions you and your family will ever make. The career opportunities provided by your degree are some of the most important factors when making that decision. That's why we have completed extensive research matching our world-class degree programs with opportunities in rapidly expanding and emerging industries all over the world.

Here at UNSW Australia, we take great pride in our students and our achievements. UNSW is ranked 48th in the world and is Australia's premier university focused on science, technology, business and the professions.

We understand what the global marketplace demands from high-performing individuals and are ranked 21st in the world for employer reputation. Our highly valued graduates achieve successful employment outcomes and some of Australia's highest starting salaries. In fact, we've educated more CEOs from Australia's top 50 companies, produced more technology entrepreneurs in the past 15 years and have a higher number of millionaire alumni than any other Australian university. So you know you will be joining a talented and highly driven student community.

By choosing UNSW, you can be sure that our networks could be your future employers, colleagues and clients. We are a member of some of the world's most prestigious and exclusive university networks, including the Group of Eight, Universitas 21, the Association of Pacific Rim Universities and the Global Alliance of Technological Universities, where we were the only Australian university partner selected to join.

All of this amounts to a more employable and competitive you. Whether you choose built environment, business, engineering, law, medicine, science or media and creative industries, you'll be getting a world-class education at a leading Australian university with an international outlook. Our focus is to equip you with the knowledge and skills to compete in a fast-paced global job market and all the challenges it poses.

You'll be joining an entire network of people united by a drive to create genuine, positive change. It's what has made us leaders in both education and research, and more importantly, it's why our graduates lead from the outset.

So, to prepare for the experience of a lifetime, this guide will step you through the countless possibilities that lie ahead.

Be ready, your future starts here.

Become the hottest global prospect

UNSW is where career success unfolds.

It's no secret that employers are looking for graduates who have both academic knowledge and hands on experience – they want to hire someone who is ready to enter the workforce.

We recognise this at UNSW and ensure that you gain this valuable combination of theory and practice by the time you graduate. With high quality teaching delivered by well-connected individuals in state-of-art learning environments, you'll develop all the skills you need for future success.

Our links to industry are unrivalled and we connect you with employers and industry professionals to give you the edge in a challenging and competitive global job market.

Learn more about the UNSW difference

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More **CEOs**

UNSW has educated more CEOs of Australia's top 50 companies than any other Australian university.
/ LeadingCompany, 2012

More **entrepreneurs**

UNSW has produced more technology entrepreneurs over the past 15 years than any other Australian university.
/ CrunchBase, 2013

More **millionaires**

UNSW has more millionaire alumni than any other university in Australia.
/ Spear's WealthInsight, 2014

More **innovators**

UNSW is regarded as Australia's most innovative university.
/ Thomson Reuters Citation and Innovation Award, 2012

No.1 for graduate employability

UNSW is the top performing university in NSW for graduate employability – and one of only four Australian universities to make the top 100 global ranking.

/ Global Employability University Ranking, 2014

Top 21 in the world

UNSW is ranked 21st in the world for employer reputation.

/ QS University Rankings 2014/15

Highest research funding

We outperformed every other Australian university to receive $45.3 million for industry-based collaborative research projects from the Australian Research Council (ARC) – the highest level of funding compared to any other university in Australia in 2015.

Five star rating

In 2012, we were the first university in the world to be awarded the maximum QS Five Star Plus rating for excellence, and in 2015 we still hold this rating across all eight excellence categories.

/ Top Universities QS Stars 2012 and 2015

Join our global alumni network

Our alumni community is 250,000 strong with graduates living in over 140 countries and working for some of the world's biggest companies including Google, Facebook, Microsoft and HSBC.

We host a range of alumni events in Australia and through our international alumni chapters in locations all over the world. When you graduate from UNSW, our networks become your networks.

With excellent industry links, internship opportunities, career services and a professional development program, you will be well placed to join this diverse global network.

Find out more about our alumni community

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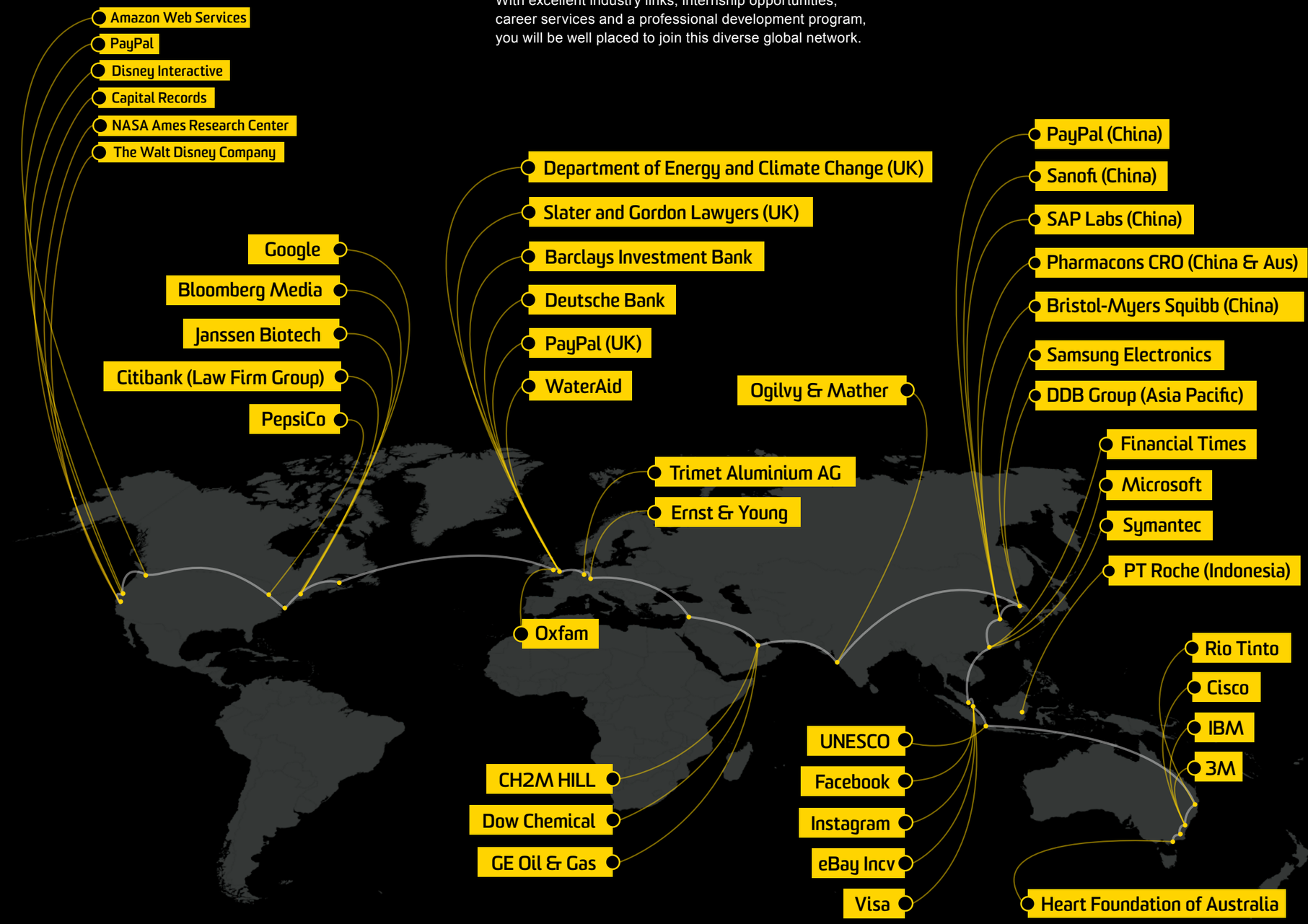

A culture of innovation

At UNSW, our links to industry, government and the community are unrivalled. We transform research discoveries and clever ideas into successful innovations to benefit society, the economy and future generations.

We offer a venture incubator space supported by Google and the NSW Government.

1

First Australian university to offer an online MBA specialising in technology, social impact and change.

Learn more about innovation at UNSW

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Due to launch in September 2015, the Michael Crouch Innovation Centre (MCIC) is a platform for innovation at UNSW. The Centre will boast a state-of-the-art fit out, including a 'makerspace' with 3D printers and a multifunctional workspace where students will be encouraged to design, experiment and build physical prototypes.

The MCIC will be offering a co-curricular program focused on foundational and experiential learning, lead by experts and corporate partners. The program aims to help students launch their innovative concept or continue their development. Aspiring 'intrapreneurs' can take up further study opportunities, while aspiring entrepreneurs have a pathway to our Student Entrepreneur Development team, who have helped launch a number of successful start-ups.

UNSW is a place where current students and recently graduated alumni can generate ideas, meet like-minded visionaries and network with corporate partners to turn their ideas into commercial ventures. Such outstanding dedication to innovation has caught attention worldwide and we want you to be involved.

Innovators, entrepreneurs and intrapreneurs should visit: mcic.unsw.edu.au

Research is in our DNA

We've been breaking new ground from the very beginning

UNSW was established in 1949 with a single-minded scientific focus. Our curriculum may have broadened since, but the desire to innovate, uncover new ways of doing things and improve the world we live in still drives us today.

We conduct research across a wide range of areas, but we invest considerable resources in particular areas where we believe we can make the biggest difference.

We're an acknowledged world leader in photovoltaics, HIV/AIDS research and quantum computing. Some of our other research strengths include biomedical sciences; water, environment and sustainability; next-generation materials and technologies; social policy, government and health policy; information and communications technology, robotics and devices; and business, law and economics.

For more information, visit: 10innovations.unsw.edu.au

Career preparation and workplace skills

Our extensive career development services and events will help enhance your workplace skills

UNSW's Careers and Employment Office

Employers seek well-rounded graduates who can demonstrate relevant studies, work experience and extra-curricular involvement. Our dedicated Careers and Employment team assists students in gaining practical workplace skills, obtaining professional experience and developing a career plan. At any time during their degree, students can attend free seminars, access online resources or book a one-on-one appointment with a careers consultant. Students also have access to the Careers and Employment Office up to 18 months after completing their degree.

For more information, visit: careers.unsw.edu.au

UNSW China Office

Our full-time recruitment and careers team in China ensures excellent graduate employment opportunities for students from UNSW. The China-based team has working partnerships with leading Australian, Chinese and multinational companies to identify the latest industry trends and opportunities relevant to our graduates.

For more information, visit: china.unsw.edu.au/news/proudly-china-ready

Professional Development Program for International Students

Students can take advantage of a professional development program tailored to give them hands-on experience in a professional workplace. It includes a three-day seminar covering topics such as business communication, employer expectations and recruitment processes. Students are also offered a 50-hour internship in offices located all over UNSW.

- Get hands-on experience and confidence in a professional setting
- Improve your job application and interview skills
- Gain knowledge of employer expectations in the Australian workplace
- Enhance your business communication and business writing skills

For more information, visit: student.unsw.edu.au/pdp

Univative

Univative is an inter-university consulting competition designed to enhance students' employability skills by placing them in a real-life teamwork project with limited time and resources. Competing against other universities to solve actual business problems, students learn how to engage with real organisations and work with team members from differing backgrounds.

- Develop practical skills including business consulting, team work, problem-solving, presenting, research, creative thinking and report writing
- Gain an understanding of real-world business practices within a particular industry or field
- Enhance your résumé (curriculum vitae) with valuable business experience and achievements
- Expand your network of industry professionals, contacts, and new friends and colleagues

For more information, visit: student.unsw.edu.au/univative-competition

International Students Careers Week

A week of seminars, panels and online events highlights the global opportunities available to international students. Students can meet with international employers, create beneficial networks and learn valuable recruitment tips from employers and alumni.

For more information, visit: student.unsw.edu.au/careers-week

Careers Expo

Held twice a year, our Careers Expo is a chance for students to meet and discuss potential employment and internship opportunities with over 100 participating employers, including BHP Billiton, Chevron, Commonwealth Bank of Australia, Deloitte, HSBC, Microsoft, IBM Australia and many more.

For more information, visit: student.unsw.edu.au/careers-expos-seminars-and-presentations

Future focus

Commercial leadership

Join a network of business and law leaders

Our business and law graduates are in demand by some of the world's top organisations

We have Australia's leading business school, with accounting and finance subjects placed No. 1 in Australia in the QS World University Rankings by Subject 2015. Our law school also ranks among the finest in the world, positioned at 15th in the QS World University Rankings by Subject 2015. UNSW Law is Australia's leader in progressive legal education and research.

We offer interactive teaching methods to enhance applied learning and our students learn from some of Australia's best researchers, industry leaders and commentators. Through globally relevant education, experiential learning, skills competitions, international study and elective opportunities, our graduates are able to deal with business and law in a real-world context.

Our graduates have critical thinking skills and a broad global perspective to make a difference in the world. Inspired by what they learn, our graduates become successful leaders and entrepreneurs.

Explore opportunities to become a commercial leader

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Australia's leading business and law schools achieve top world rankings.

Shape the next wave of global economic growth

Position yourself for a lucrative career

With employment opportunities predicted in business, it is now more important than ever to empower yourself with the right knowledge and skills to prepare you for a changing global market.

At UNSW, our network becomes your network. We have more than 100,000 business and law alumni in top positions working in business environments all over the world.

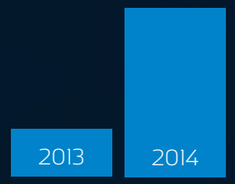
From the moment you begin, you'll join this prestigious group of legal pioneers and innovative thinkers. You'll have the opportunity to forge valuable connections with employers, mentors, world-class peers and alumni to ensure you stay ahead of the latest economic trends.

65%

The Asia Pacific region has half of the world's smartphone users, with the rate of active mobile users at 65% in 2014, and is forecast to continue growing. This represents an increased demand for specialists in e-commerce, e-finance law, business, marketing, telecommunication law and finance.
/ Asia Digital Marketing Association. Asia Pacific Digital Factbook, 2014

By 2050, Asia will account for 45% of the world's population, with 63% of the world's 440 fastest emerging cities. This will give rise to a wealth of job opportunities for accountants, financial analysts, economists and other business, law and commerce-related specialties.
/ McKinsey Global Institute. Urban World: Cities and the rise of the consuming class, 2012.

From natural disasters and the rise of social unrest to global financial instability, markets across the world are experiencing an increased actuarial workload leading to higher demand for actuaries, risk managers and insurance specialists.
/ The Actuary. London Market Trends.
/ General Insurance Seminar. Insurance Concentration Risk Charge Natural Perils, 2012.
/ General Insurance Seminar. Terrorism Risk Insurance in Australia, 2014.



In 2014, the global volume of mergers and acquisitions rose 475% to $3.34 trillion. Business law, commercial law and financial economics specialists see excellent employment prospects with this global development.
/ Financial Times UK

Asia's patent activity has surpassed that of Europe and North America. That means more opportunities for our graduates with expertise in intellectual property (IP).
/ JLL. Global Life Sciences Cluster Report, 2014

Globalisation has given rise to unilateral tax law changes, developments in how tax authorities interpret existing tax laws and treaties, and continuing talks about base erosion and profit sharing. Global companies need accountants, economists, tax specialists and legal experts to ensure compliance and to protect against the negative impact of the changing tax landscape all over the world.
/ Deloitte. Deloitte in Dialogue Report: Trends in the global Tax and Regulatory Landscape, 2015.

By 2018, global retail sales are expected to reach $28.3 trillion. This includes in-store and internet purchases. Business and finance specialists, international business taxation specialists and marketers and e-commerce experts will be in demand to provide back-office support.
/ eMarketer. 2014

What industry needs

Accountants
Actuarial analysts
Attorneys
Auditors
Chartered legal executives
Corporate and commercial law experts
E-commerce specialists
Equity advisors
Financial analysts
Financial planners
Funds managers
Human resources officers
In-house legal counsel
Insurance specialists
Intellectual property lawyers
International business and economic law specialists
Investment bankers
Licensed conveyancers
Litigators
Marketing, advertising and brand managers
Patent attorneys
Portfolio managers
Property and construction managers
Retirement advisers
Risk managers
Stockbrokers
Strategic planners
Tax lawyers
White collar crime lawyers

Please note: the references and statistics herein are drawn from a variety of different sources, including the opinions of experts in the different fields. This is only intended as a guide and cannot be used to predict your individual outlook. We encourage students to conduct research within their country and field of interest.

Choose UNSW for commercial leadership

Areas of **study**

Accounting

Actuarial Studies

Aviation Management

Business Law

Business Economics

Business Strategy and Economic Management

Commerce

Commercial Law

Communication and Journalism

Economics

Econometrics

Finance

Financial Analysis

Financial Economics

Human Resource Management

Information Systems

International Business

Law

Management

Marketing

Mathematics

Public Relations and Advertising

Real Estate Studies

Taxation

'I came to UNSW to develop my thinking as a global citizen. UNSW Business School is highly regarded and I was impressed that most of their lecturers also work in their fields. Hearing daily references and case studies about the work they do and how class content is actually applied in their careers is very satisfying. It is a reassurance that what we study is not just intended for the classroom but is used in the workforce.

I also know that having a degree from UNSW, a globally respected and accredited university, would be extremely beneficial to my career. Not only will I further my business and social knowledge, but having these qualifications will significantly broaden my career opportunities.'

Mildred Osasumwen Aroko, USA
Commerce

Become an in-demand business and law graduate

We'll get you **ahead of the pack**

Our curriculum is designed in close consultation with major recruiters, law firms and a trusted industry advisory council to ensure you are ahead of the pack when you graduate.

Connections make a difference

Our strong industry links bring you into direct contact with prominent representatives of leading companies and law firms. You'll hear them speak, network with them and learn from their real-world experiences.

Top 15 **for law**

The QS World University Rankings by Subject 2015 placed UNSW Law at 15th in the world.

Top 12 **for business**

We have one of the world's leading business schools. In the QS World University Rankings by Subject 2015, our Accounting and Finance subjects ranked 12th and Business and Management Studies ranked 19th in the world.

Internship and **global opportunities**

Our students undertake internships with Australian and international partner institutions, social justice centres within UNSW, global social practicums and global business practicums.

Future focus

Connectivity, infrastructure and technology

Careers to build and connect the world

If you enjoy solving problems, testing theories, designing liveable cities and dreaming up technologies that make life easier, the world needs you now more than ever

Building and connecting future cities and improving the way we live calls for experienced professionals who can plan and construct large-scale infrastructure developments supported by innovative products and technologies. The world needs graduates who can design, build and manage connectivity projects in a better, faster and more efficient way.

Whether it's building a quantum computer, simulating a complex underground mine or programming award-winning robots, it's our focus on the built environment, applied engineering and science that sets us apart.

UNSW Engineering is Australia's largest and highest ranked engineering faculty and our Built Environment Faculty is the most comprehensive in Australia. UNSW Science is home to a number of Australian Research Council (ARC) Centres of Excellence, including Quantum Computation, Communication Technology and Climate System Science.

Our award winning professors and researchers are leading the way, making industry-changing breakthroughs and winning accolades. As winners of RoboCup 2014, our rUNSWift team has developed expertise in robotics that will one day benefit transport, industry and health. We are developing a commercially-viable quantum supercomputer that can perform in days extraordinarily complex tasks that existing computers would take decades to complete. Our researchers were also the first in the world to develop a working perfect single-atom transistor.

Our multidisciplinary approach provides you with unique opportunities to unlock your potential for leadership. You'll learn practical critical thinking skills needed to analyse, challenge and rethink the 21st Century city.

Explore connectivity, infrastructure and technology opportunities at UNSW

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With 20 specialty schools, we are proud to offer the largest number of engineering, science and built environment degrees of any university in Australia.

At the forefront of global development

High demand for innovative critical thinkers

With the pipeline of infrastructure projects in Asia alone predicted to cost $730 billion annually through to 2020 (Asian Development Bank Institute, 2013), talented engineers and planners have emerged as some of the most sought after professions by global recruiters.

Adding to the increased infrastructure demand, businesses and organisations competing in a data and digital-driven economy will need more graduates trained in science, technology, engineering and mathematics (STEM). Research by PricewaterhouseCoopers (PwC STEM Report, 2015) indicates that 75% of the fastest growing occupations will find having skills in STEM a competitive employment advantage.

At UNSW you'll be learning from record-breaking pioneers and industry leaders who will help prepare you for a lucrative career after university. Our world-class degrees continuously evolve, integrating advice from leaders in the professions and industry. UNSW is the number one choice for innovative thinkers.

Increased sophistication in the mining industry has presented a need for highly skilled employees. Due to the industry's cyclical, long-term nature, it must compete for highly skilled workers at all times, even when markets slump and activities slow down. There is a demand for key managers, engineers and tradesmen with dual competencies who have technical experience and social skills to work cross-culturally.
/ International Council on Mining & Metals. Mining's Contribution to Sustainable Development, 2012.

Implementing measures and technologies to tackle climate change is projected to cost approximately $41 billion to $73 billion annually over the next 85 years in Asia alone. This will create demand for jobs in climate-proofed infrastructure, environment-friendly technologies for irrigation, geoinformation systems, energy and conservation as well as urban design.
/ Asian Development Bank, 2014.

China already has a shortfall of 10,000 pilots and this is expected to continue as the sector grows. Chinese airlines are already enticing American pilots with US$270,000 annual salaries – almost double the salary of a US-based captain.
/ International Business Times. China's Growing Hunger for Air Travel has created a Pilot Shortage, 2013.

More students are taking up STEM subjects (science, technology, engineering and maths) to prosper in tomorrow's world. The number of students studying Chemistry has increased by nearly 20%, physics student numbers are up 15%, biology students 12% and maths students 8%. Engineering graduates account for more than 20% of the world's richest people, nearly doubling the amount of those who studied business.
/ Approved Index Report and Forbes' 100 Richest People In The World List

A new "Silk Road", a massive infrastructure project aimed to link China with three continents over land and sea, is expected to pave the way for substantial infrastructure investment in the region. Asia's overall national infrastructure investments are estimated to rise to $8 trillion over a 10-year period (2010 to 2020) or $730 billion annually.
/ Asian Development Bank Institute. Asian Infrastructure Development, 2013

The Southeast Asian consumer class is expected to increase from 81 million to 163 million households by 2030. A wave of urbanisation will give rise to a $7 trillion demand for investments in infrastructure, housing and commerical space. This will create demand for architects, planners, construction specialists and civil engineers.
/ McKinsey & Company. Southeast Asia at the Crossroads: Three Paths to Prosperity, 2014

What industry needs

Aerospace engineers

Aerial surveyors

Air traffic managers

Airport managers

Architects

Aviation managers

Aviation safety and security specialists

Biomedical engineers

Chemical engineers

Civil engineers

Computer science engineers

Cyberspace lawyers

Digital map creators

Intellectual property lawyers

Logistics managers

Management consultants

Manufacturing engineers

Materials engineers

Mechanical designers

Mechanical engineers

Mechatronic engineers

Mining engineers

Naval architects

Petroleum engineers

Pilots

Project managers

Robotics specialists

Technology lawyers

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Choose UNSW for connectivity

Areas of **study**

Aerospace Engineering
Architecture
Aviation
Aviation Management
Bioinformatics Engineering
Biomedical Engineering
Chemical Engineering
Civil Engineering
Computational Design
Computer Engineering
Computer Science
Construction Law
Construction Management and Property
Electrical Engineering
Environmental Engineering
Geospatial Engineering
Industrial Design
Interior Architecture
Landscape Architecture
Materials Science and Engineering
Mathematics
Mathematics and Statistics
Mechanical and Manufacturing Engineering
Mechatronic Engineering
Mining Engineering
Naval Architecture
Petroleum Engineering
Photovoltaics and Solar Energy
Physics
Planning
Software Engineering
Surveying
Telecommunications

'I chose a UNSW Engineering program because it aligned with my career goals and interests. My program was taught by staff and guest lecturers with extensive experience in the engineering industry – it was a great opportunity to learn from experts in the field. I particularly enjoyed the industry professionals and keynote speakers who addressed emerging trends in engineering science.

My degree has helped me develop skills that are highly sought after globally, giving me career opportunities in a wide variety of sectors, such as construction, architecture, engineering, information technology, government and events management.'

Tarun Muthanna, India
Engineering Science

Lead the way with UNSW

No.1 engineering faculty in Australia

Our Engineering Faculty is highly regarded globally, ranked No.1 in Australia and ranked 27th in the world overall.
/ Shanghai Jiao Tong University's Academic Ranking of World Universities in Engineering/ Technology and Computer Sciences 2014, QS World University Rankings by Faculty 2014 - Engineering and Technology

Globally recognised degrees

Our engineering degrees are fully accredited with Engineers Australia and also recognised by the Washington Accord.

Excellence in architecture

UNSW Built Environment is the only faculty in Australia to receive two prestigious chairs in architecture, The Seidler Chair in the Practice of Architecture and the Judith Neilson Chair in Architecture.

Relevant **industry training**

Our engineering students are required to complete 60 to 80 days of relevant industrial training which will improve your practical and technical skills. Students have the flexibility to do industrial training in Australia or their home country.

Top 14 in the world

Six of our subjects are ranked in the world's top 50 – we are ranked 14th for Civil and Structural Engineering, 22nd for Architecture/Built Environment, 26th for Materials Science, 28th for Chemical Engineering, 35th for Computer Science and Information Systems, 37th for Mechanical, Aeronautical and Manufacturing Engineering and 38th for Electrical and Electronic Engineering.
/ QS World University Rankings by Subject 2015

Flying Operations Unit

At our dedicated flight training facility, located at Sydney's second largest airport in Bankstown, students attain quality flight training to commercial pilot standards.

Future focus

Environment, energy and sustainability

Protect our planet for future generations

Utilising world-renowned research and innovation, UNSW will turn your passion into global action for a better tomorrow

With more people currently on the planet than at any time in history, we are facing unprecedented challenges around protecting our environment, maintaining energy supplies and developing sustainable solutions for how we live and grow. This is an exciting time to embark on careers in these areas. UNSW's excellence in solar cell technology, water research, recycling of materials in manufacturing processes, developing building materials from waste and climate change modelling is already leading to smarter cities and cleaner industries across the world.

The UNSW approach to these challenges means you will not only learn technical skills from world experts, but you will be equipped with the business skills to put your ideas into practice early in your career. Our higher degree graduates go on to hold top positions across the manufacturing sector, in photovoltaic companies, in architecture firms, across governments and in leading research institutes.

Study at UNSW and be at the forefront of creating a better and more sustainable tomorrow.

Explore opportunities in environment, energy and sustainability at UNSW

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UNSW's School of Photovoltaic and Renewable Energy Engineering holds the world record for the highest energy conversion efficiency for a silicon solar cell and has maintained this record for more than three decades.

Careers in sustainability are on the rise

A strong job market awaits environmental, energy and sustainability graduates from UNSW

As the world's population grows and climate change puts increasing pressure on the environment, we need experienced, knowledgeable and innovative professionals to help preserve our planet.

Careers in the environment and energy sectors are expanding and market demand for graduates in these fields is expected to exceed that of many other professions. UNSW students can look forward to lucrative employment and research opportunities.

Implementing measures and technologies to tackle climate change is projected to cost approximately $41 billion to $73 billion annually between now and 2100. This calls for more climate scientists, environmental managers and geographic information systems specialists.
/ Asian Development Bank, 2014

There were approximately 6.5 million direct and indirect jobs in renewable energy in 2013 and the demand for renewable energy specialists will continue in an upward trend. The largest employers were China, Brazil, the United States, India, Germany and Bangladesh. As such, renewable energy engineering experts will have excellent employment prospects.
/ International Renewable Energy Agency. Renewable Energy and Jobs – Annual Review 2014

$200 billion

The need to replace and repair the current global environmental infrastructure, as well as the rapid growth of the green economy, will increase the demand for architects, civil engineers, environmental engineers and geoinformation specialists. In the last 10 years it has cost the United States approximately US$200 billion to maintain its water systems.
/ Environmental Programs. Interview with Kevin Doyle: Trends in Environmental Jobs and Employment, 2003.

+15%

Employment of environmental scientists, environmental engineers, and environmental science and protection technicians is projected to grow 15% - 19% from 2012 to 2022, faster than the average across all occupations. Heightened public interest in the hazards facing the environment, as well as the increasing demands placed on the environment by population growth, is expected to spur demand for environmental scientists, geospatial information scientists and geographic information systems specialists.
/ US Bureau of Labor Statistics

China surpassed the United States as the world's largest energy consumer in 2010 and the world's largest power generator in 2011. Now, more than ever, there is a need for climate scientists, renewable energy engineers, environmental lawyers and economists to work together to create solutions to tackle mass energy consumption.
/ Institute for Energy Research. China Economy Expected to Overtake US Economy This Year, 2014

In 2013, green building was estimated as a half-trillion dollar industry in the United States, and more than a trillion dollar industry worldwide. With this trend continuing in an upward direction, employers are looking for innovative thinkers and leaders with expertise in engineering, architecture, construction, renewable energy and urban planning.
/ World Green Building Council. The Business Case for Green Building, 2013.

What industry needs

- **Architects**
- **Chemical engineers**
- **Climate scientists**
- **Construction engineers**
- **Ecologists**
- **Economists**
- **Energy and commodities traders**
- **Environmental chemists**
- **Environmental engineers**
- **Environmental lawyers**
- **Environmental managers**
- **Food technologists**
- **Geographic information systems specialists**
- **Geoscientists**
- **Geospatial information scientists**
- **Land use lawyers**
- **Materials engineers**
- **Mathematicians**
- **Mining engineers**
- **Nanotechnologists**
- **Naval architects**
- **Nuclear energy engineers**
- **Petroleum engineers**
- **Photovoltaic and solar energy engineers**
- **Renewable energy engineers**
- **Resource management lawyers**
- **Urban planners**

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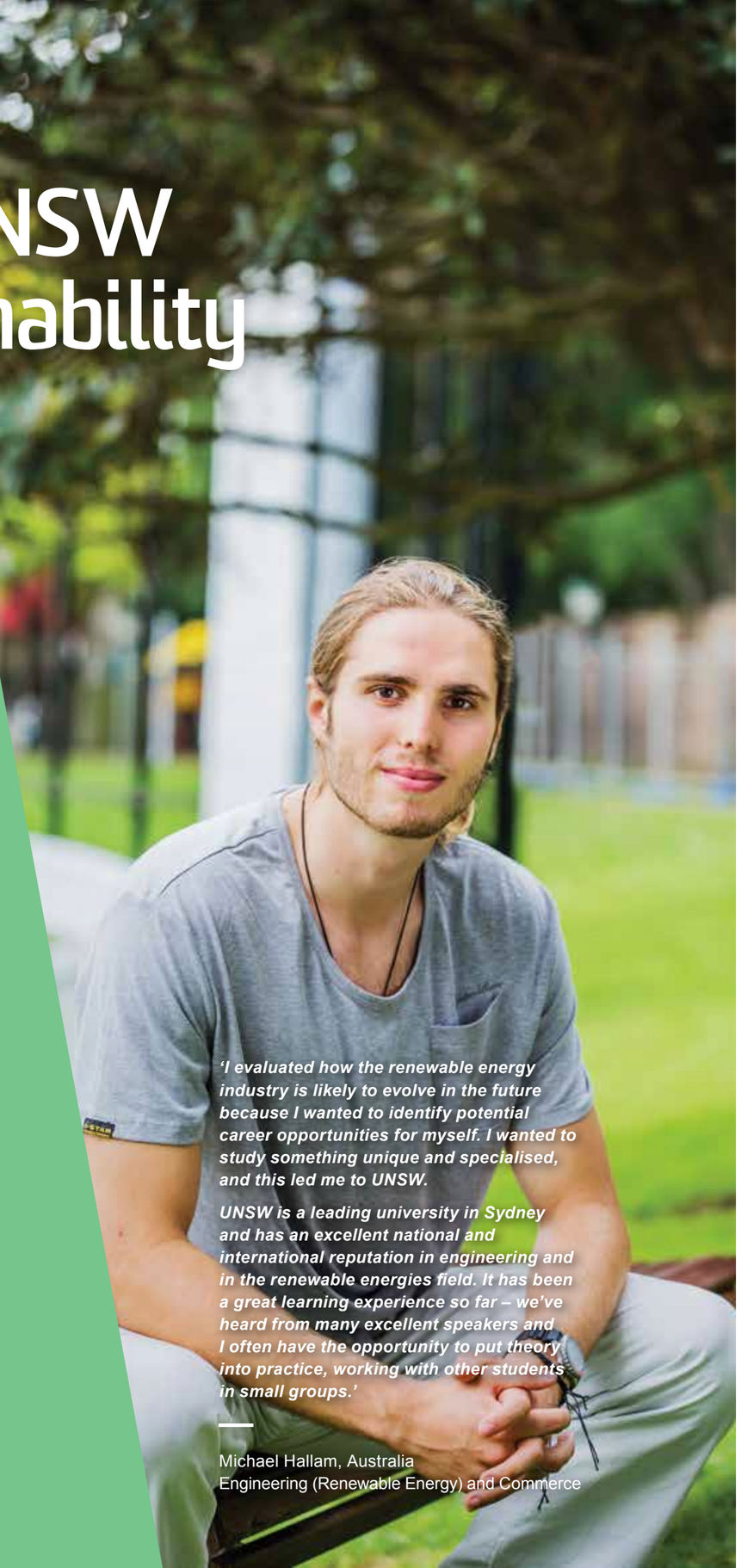
Choose UNSW for sustainability

Areas of **study**

Architecture
Biological Chemistry
Biology
Botany
Chemical Engineering
Chemistry
Civil Engineering
Climate System Science
Construction Management and Property
Development Studies
Earth Science
Ecology
Economics
Electrical Engineering
Energy Resources Law
Environmental Engineering
Environmental Law
Environmental Management
Environmental Microbiology
Environmental Policy
Food Science and Technology
Geochemistry
Geography
Industrial Chemistry
Law
Landscape Architecture
Marine Science
Materials Science
Mathematics
Mining Engineering
Nanotechnology
People, Land and Community
Petroleum Engineering
Photovoltaics and Solar Energy
Physical Oceanography
Planning
Renewable Energy Engineering
Software Engineering
Urban Planning



'I evaluated how the renewable energy industry is likely to evolve in the future because I wanted to identify potential career opportunities for myself. I wanted to study something unique and specialised, and this led me to UNSW.

UNSW is a leading university in Sydney and has an excellent national and international reputation in engineering and in the renewable energies field. It has been a great learning experience so far – we've heard from many excellent speakers and I often have the opportunity to put theory into practice, working with other students in small groups.'

Michael Hallam, Australia
Engineering (Renewable Energy) and Commerce

We'll get you ahead of the pack

Top 22 in the world

We scored top rankings for a range of subjects, including 22nd for Architecture and Built Environment, 26th for Materials Science and 40th for Environmental Science in the QS World University Rankings by Subject 2015.

World-leading research facilities

The $123.5 million state-of-the-art Tyree Energy Technologies Building (TETB) boasts a green star rating of 6 and is home to the Australian Energy Research Institute. This world-class facility houses new laboratories dedicated to photovoltaic technologies, sustainable clean fuels, smart grids, energy storage, energy economics and policy analysis.

Turning plastic **into steel**

More than 200 million car tyres have been recycled worldwide in the steel making process using UNSW technology, resulting in waste reduction of 40%.

Leading research and teaching

Materials Science at UNSW is housed in a brand new $145 million Materials and Technology Building.

Protecting **our water systems**

UNSW researchers played a pivotal role in advising the Australian Government on its multi-billion dollar management plan for the Murray-Darling Basin's iconic rivers, which support a third of Australian agricultural production and precious wetlands.

Climate system science

Through the Climate Change Research Centre, UNSW leads the ARC Centre of Excellence for Climate System Science, a multi-university initiative formed in 2011 to advance fundamental climate sciences in Australia.

Future focus

Global health

Meet the health challenges of a growing population

Coveted career opportunities await medicine and science graduates from UNSW

With cutting-edge research in the fields of cancer, neuroscience, psychology, public health, obesity and immunology, UNSW has been a long-term contributor to improved health outcomes in countries all over the world. Our expert researchers and lecturers are at the forefront of ground-breaking health discoveries and our graduates are well positioned to contribute to health industries and research areas that can improve and save lives.

Our specialist-taught programs in medicine, optometry and psychology help address the global shortage of health professionals in these areas. Broader programs, such as biomedical engineering, pharmacology, medical science and medicinal chemistry, lead to a better understanding of how the body functions and responds to treatment, which in turn enables better outcomes where intervention through surgery or drug delivery is required.

Our strong industry links and streamlined commercialisation of research means what we discover today can be put into practice tomorrow. Many of our graduates occupy key positions in health departments, non-government organisations and universities throughout the world.

Explore opportunities to improve global health

SCAN WITH QR READER OR LAYAR APP

In 2015, UNSW President and Vice-Chancellor, Professor Ian Jacobs, and his research team developed a ground-breaking test that can successfully detect twice as many woman with early signs of ovarian cancer.

Surging global demand for experts in health

Put yourself at the forefront of the latest scientific and medical advances

Globally there are more than 625 million people who are blind or vision impaired simply because they don't have access to an eye examination and a pair of glasses. For the millions with vision impairment, a skilled practitioner who can provide an eye examination, determine the spectacle prescription needed, dispense glasses or refer appropriately, is potentially a life-changing service.

Our School of Optometry and Vision Science houses a number of research units including the Optics and Radiometry Laboratory, and The Vision Cooperative Research Centre is the largest vision research unit in Australia.

At UNSW we integrate scientific knowledge with cutting-edge medical research and clinical skills. Our teachers are a combination of research-active academic staff and clinical experts, putting you at the forefront of the latest scientific and medical advances.

UNSW will help you establish professional networks with industry leaders and experts through a curriculum where medical science, internships and clinical disciplines are highly integrated to ensure an enhanced learning experience.

The value of China's emerging biotech industry is expected to reach $630 billion by the end of 2015. This presents lucrative opportunities for medical and science professionals in the fields of biotechnology, chemistry, molecular and cell biology and pharmaceutical medicine.
/ Flanders Bio, Biotech China, 2014

1/4

Globally, one in four people will suffer from a mental disorder or condition, both in developed and developing countries. Mental disorders such as depression, alcohol use disorder, schizophrenia and bipolar contribute to almost 70% of the leading causes of disability. Across the world, there is a need for mental health practitioners to address the rising problem of mental health disorders.
/ World Health Organization (WHO), 2013

+10%

Life expectancy is expected to increase from 72.6 years (2012) to 73.7 years (2018) - meaning there will soon be 560 million people over the age of 65 worldwide. This will boost the demand for health care services, with the need to create and recruit positions in medicine, neuroscience, vision science, optometry and other specialties that treat ageing-associated diseases such as Alzheimer's disease, arthritis, diabetes, osteoporosis and cataracts.
/ Economist Intelligence Unit. World industry outlook: Healthcare and pharmaceuticals, 2014

The growing global pharmaceutical market is expected to be worth nearly $1.6 trillion by 2020. This will be bolstered by growth in China, Brazil, Russia, India and Mexico. The employment outlook shines for those in the field of microbiology, biotechnology and pharmaceutical medicine.
/ PriceWaterhouseCoopers (PWC). From Vision to Decision: Pharma 2020

230,000

Globally, many countries are experiencing a health care professional shortage coupled with an unbalanced distribution of medical professionals and access to care. According to the European Commission, there will be a shortage of 230,000 physicians across Europe in the near future.
/ Deloitte. Global Health Care Outlook: Shared Challenges, Shared Opportunities, 2014

What industry needs

- **Bioinformaticians**
- **Biomedical engineers**
- **Biotechnology specialists**
- **Clinical research associates**
- **Clinical trial managers**
- **Doctors**
- **Exercise physiologists**
- **Geneticists**
- **Intellectual property lawyers**
- **Laboratory technicians**
- **Medicinal chemists**
- **Microbiologists**
- **Nanotechnologists**
- **Optometrists**
- **Patent lawyers**
- **Pharmaceutical developers**
- **Pharmaceutical sales representatives**
- **Pharmacologists**
- **Psychiatrists**
- **Psychologists**
- **Research scientists**
- **Surgeons**

Please note: the references and statistics herein are drawn from a variety of different sources, including the opinions of experts in the different fields. This is only intended as a guide and cannot be used to predict your individual outlook. We encourage students to conduct research within their country and field of interest.

Choose UNSW for health

Areas of **study**

Anatomy
Bioinformatics
Biological Science
Biomedical Engineering
Biotechnology
Chemistry
Exercise Physiology
Food Science and Technology
Genetics
Immunology
Mathematics
Medical Science
Medicine
Medicinal Chemistry
Microbiology
Molecular and Cell Biology
Movement and Neuromuscular Rehabilitation
Nanotechnology
Neuroscience
Nutrition
Optometry
Patent Law
Pathology
Pharmaceutical Medicine
Pharmacology
Physics
Physiology
Public Health
Psychology
Science and Business Law
Science Law
Statistics
Vision Science

'I chose to study medicine at UNSW because of my love for medical science and my passion to make a difference in patients' lives. Furthermore, UNSW was one of the first universities to offer undergraduate entry to the Doctor of Medicine program. This allowed me to acquire state-of-the-art clinical learning straight out from high school. UNSW Medicine is also affiliated with many teaching hospitals and institutions which allows for many exciting placement opportunities during my degree.'

Aengus Tran, Vietnam
Medicine

Cutting-edge teaching and research to boost your career potential

Top ranked in medicine and science

UNSW received top subject rankings including Psychology placed at 15th, Medicine at 43rd and Pharmacology within the top 100 subjects.
/ QS World University Rankings by Subject 2015

World-leading facilities

The state-of-the-art Wallace Wurth and Lowy Cancer Research Centre buildings, and the soon to be redeveloped Biological Sciences Building, form a world-class biomedical research precinct which supports both research and teaching.

Undergraduate MD program

UNSW was the first university in Australia to offer undergraduate entry to the Doctor of Medicine (MD) program.

Industry connections

In the last five years our science researchers have entered into over 250 agreements with industry, government or other collaborators and 82 patent applications have been taken out on their work.
/ ARC linkage grants; NewSouth Innovations (UNSW Innovations) 2009 -2014

Innovative teachers

At UNSW, you will be studying under some of the country's most innovative and engaging teachers. Our staff have won numerous awards, including recognition from the Frank Fenner Prize for Life Scientist of the Year, the Australian Medical Association, the Royal Australasian College of Physicians and the Vice-Chancellor's Award for Teaching Excellence.

Future focus

Media, design and creativity

We produce inspiring, courageous thinkers

Graduate with the skills and qualities required for a successful media, design or creative career in a digitally-driven, expanding market

Our media, communication and creative degrees are among the most highly regarded in Australia with a focus on current and emerging technologies and trends. Our teaching utilises the latest methods, underpinned by leading-edge technology and modern learning environments to inspire a new generation of courageous thinkers.

Our Art and Design, Arts and Social Sciences and Built Environment faculties have renowned academics, researchers and industry professionals with diverse fields spanning architecture, contemporary and fine arts, curating and cultural leadership, communication and media, creative and performing arts, and industrial design and innovation. We encourage our students to examine these fields through intensive studio and lab practice.

Our students learn technical skills and get hands-on experience to secure competitive positions in the job market.

Explore opportunities in media, design and creative industries at UNSW

SCAN WITH QR READER OR LAYAR APP

In the latest Excellence in Research for Australia Report 2012, Media and Communication at UNSW scored an impressive 4 out of 5, putting our research at above world standard.

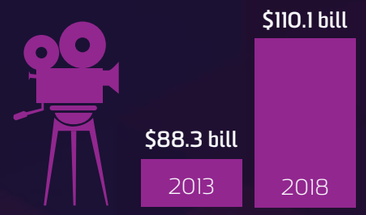
Kickstart your media, design and creative career

Be part of the changing technology-led creative landscape

At UNSW, our approach is interdisciplinary, advancing tradition and challenging existing thinking. We value experimentation and exploration in media, art and design, fostering cross collaboration with science, engineering, the humanities and business.

UNSW is the number one choice for bold thinkers looking to embark on a career in media, design and creative industries, with Sydney as Australia's capital for cultural and creative visionaries.

Gaming has grown into a global multi-billion dollar industry. It generated sales of $93.29 billion in 2013 and an estimated $101 billion in 2014. There are currently 1.2 billion gamers around the world who play Grand Theft Auto, Clash of Clans and Candy Crush Saga. The mobile games market is also quickly overtaking consoles, with estimated sales projected to grow from of $25 billion to $40.9 billion by 2017. This makes for exciting and lucrative prospects for game designers, illustrators, graphic media designers and marketers.
/ Performance PSU. 2014 Facts: Statistics & Facts About the Gaming Industry



Film entertainment revenue is projected to grow by 28% from $88.3 billion in 2013 to $110.1 billion in 2018. In the next three years, global spending on television subscriptions is expected to reach $236 billion. Increased online downloads and streaming services will drive the growth of the industry. Box office spending continues in a steady trend, confirming that a cinematic experience is still important for viewers and their families. Opportunities for animators, producers and film and television script writers will be lucrative.
/ PriceWaterhouseCooper. Global Entertainment And Media Outlook 2014 – 2018.

In 2014, $1.5 trillion worth of goods and services were purchased online through desktops, smartphones and tablets. Retail sales through mobile devices continue to grow steadily. Internet advertising is also expected to rise and surpass $160 billion by the end of 2015. Rapid growth in online retail sales can be attributed to improved technology and mobile devices, and mobile-optimised websites. Graduates with expertise in marketing, advertising, UX design, digital media, public relations, creative and graphic design will be well placed to help grow and evolve online retail sales.
/ Criteo. E-commerce Industry Outlook, 2015

Mobile devices have radically changed the publishing industry with new and evolving trends in content creation and content consumption. This bodes well for writers, journalists, creative and graphic designers, photographers, video producers, animators and multimedia specialists.
/ ZenithOptimedia. 2038: Six Trends for the Next 25 Years. 2013.

$7 trillion

Urbanisation and consumerism growth in Asia will result in a $7 trillion demand for infrastructure, housing and commercial space. This translates to exciting employment prospects for graduates in the fields of industrial design, interior architecture and landscape architecture.
/ McKinsey Global Institute. Three Paths to Sustained Economic Growth in Southeast Asia, 2014.

$624 billion

World trade in creative goods and services posted an average growth rate of 8.8% from 2002 to 2011, to a staggering $624 billion in 2011. This growth included visual art, design, fashion, film, music, new media and print media. Such exceptional growth bodes well for specialists in media and creative industries overall, increasing the need for graphic designers, architects, advertisers, digital specialists and media and communications graduates.
/ United Nations Conference on Trade and Development. Trade in Creative Products Reached New Peak in 2011, 2013

What industry needs

Advertising executives

Animators

Architects

Artists

Arts managers

Communication specialists

Creative directors

Creative writers

Curators

Designers

Digital media designers

Film and television producers

Game designers

Graphic designers

Graphic media designers

Illustrators

Industrial designers

Intellectual property lawyers

Interior architects

Journalists

Landscape architects

Media specialists

Media strategists

Musicians

Performing arts teachers

Public relations specialists

UX designers

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Choose UNSW for media, design and creativity

Areas of **study**

Animation and Visual Effects
Architecture
Art Theory
Arts
Communication and Journalism
Computational Design
Creative Writing
Cross-media Arts
Cross-media and Interaction Design
Design
Design Communication
Digital Media and Animation
Drawing
Exhibition Design
Film and Television Production
Fine Arts
Graphics and Media design
Illustration
Industrial Design
Intellectual Property Law
Interior Architecture
Jewellery Design
Landscape Architecture
Media Arts
Media and Technology Law
Music
Painting
Performance
Photography
Printmaking
Product Design
Public Relations and Advertising
Screen and Sound Production
Sculpture and installation
Textiles
Theatre and Performance Studies
Urban Planning

'The teaching quality at UNSW is excellent. Some of my lecturers are academic researchers and some are art industry professionals working within Sydney's art community. I was inspired by one guest lecturer who is very active in identifying and promoting emerging contemporary Aboriginal artists.

I'm interested in curating art to raise awareness of social issues – with particular focus on Aboriginal rights. I would also love to curate or manage visual arts festivals in Australia and overseas and I know that my Art Theory studies combined with the highly respected reputation of UNSW Art and Design will make me a highly competitive candidate to future employers.'

Carissa Tan, Singapore
Art Theory

Ignite your creative thinking

Australia's most dynamic community of design practitioners

We attract art and design practitioners and academics from more than 50 countries, making us Australia's largest community of design practitioners and media creators.

Top 22 in the world

Architecture/Built Environment ranked 22nd, Art & Design ranked 25th and Communciation and Media Studies ranked 49th in the world.
/ QS World University Rankings by Subject 2015

Top ranked **for Media and Creative Arts**

UNSW Australia ranked well above world standard, scoring 5 out of 5 in the areas of film, television and digital media, visual arts and crafts, cultural and literary studies and performing arts and creative writing in the Excellence in Research for Australia Report 2012.

Prize-winning professor

Renowned architect and UNSW academic, Professor Glenn Murcutt, is Australia's only recipient of the industry's most prestigious award, the international Pritzker Prize.

Strong **industry connections**

We have some of the country's best collaborations with industry. Our academics work on exciting challenges in the media and creative fields and form a critical part of some of Australia's biggest events, including Sydney Architecture Festival, Sydney Film Festival, Sydney Writers' Festival and the Walkley Awards for Outstanding Journalism.

State of the art **facilities**

Our modern Art & Design campus boasts state-of-the-art facilities including a network of student-led and museum-standard galleries, world-class media production and design studios and flexible study zones for you to collaborate with peers and design to your full potential.

Future focus

Global social responsibility

Be a force for positive change

UNSW creates leaders who make a difference

From managing complex public and community health problems, to defending human rights and creating liveable cities, we need innovative approaches and effective solutions from a new type of leader. At UNSW, you will learn how to lead in a changing world by creating social, legal and environmental value.

We are a national leader in the humanities and social sciences, and have earned international recognition for the effectiveness of our teaching and the impact of our research. Our programs are based on rich theoretical knowledge and hands-on experience applicable for those who wish to drive meaningful and sustainable social change across government and community sectors.

Social justice is integral to the UNSW approach and our curriculum reflects this. Students will study socially relevant topics, including indigenous education, health and legal issues, human rights, women's and gender studies, class, race and disability, environmental issues and experiential learning. We never lose sight of the way law and social sciences can be used to improve people's lives.

Driven by curiosity and compassion, we strive toward a deeper understanding of humanity, of social institutions and of different cultures so that we can have a positive impact on a global scale – enlightening public debate, enhancing policy formation and developing innovative solutions for global issues. As citizens of the world, our graduates are confident, questioning and creative, pursuing careers that are exciting, influential and, often, unpredictable.

Explore opportunities in global social responsibility at UNSW

SCAN WITH QR READER OR LAYAR APP

UNSW offers leading programs in the area of global social responsibility for those who want to make an impact on global policy, practice and the political climate.

Opportunities to effect change in a vast global network

Global uncertainty drives demand for leaders who make a difference

As a UNSW graduate, passionate about global social responsibility, you can enjoy a wealth of challenging and high profile roles in public, private and academic sectors. As the world is confronted with social, economic, environmental and political issues, our graduates meet the ever-growing demand for specialists who can research, inform and formulate socially just solutions and policies.

Equipped with a UNSW qualification, you can find an abundance of opportunities in government, corporate, non-government organisations and education institutions.

The training, research experience and practical application you get as a UNSW student will ensure you are a prime candidate for jobs in these important sectors. What's more, you'll have the satisfaction of making your contribution as a socially responsible global citizen.

55%

It has been estimated that 55% of online consumers in 60 countries across the world support and purchase products and services from companies that show a commitment to positive social and environmental impact.
/ Nielsen. Doing Well by Doing Good, 2014

Corporate social responsibility is no longer considered as a social obligation – rather, as good business strategy. Companies are stepping up in tackling pressing issues such as human rights, gender and the environment.
/ Linda Novick O'Keefe, Founding Chief Executive Officer, Common Threads

550 million

550 million people go to bed hungry every night in Asia and the Pacific. Governments and other sectors need to work together to achieve sustainable food security in Asia, that will also result in sustainable land and water use, as well as the use of renewable energy.
/ Asian Development Bank. "Investing in Food and Agriculture in Asia and the Pacific", 2014

500 million people live in countries at risk of instability and conflict. Between 2012 and 2013, there were 18,000 lives lost due to terrorist incidents. Those specialising in dispute resolution, human rights policy, international relations, development studies, social research and policy can work to bring about global peace.
/ Institute for Economics & Peace. Global Peace Index, 2014

Climate change is already costing the world over $1.2 trillion (1.6% of global GDP) annually. Extreme weather conditions have led to devastating death tolls from natural catastrophes, malnutrition, poverty and disease. This calls for social work and public health specialists, as well as public policy and governance, social research and policy and development studies specialists.
/ DARA and the Climate Vulnerable Forum. Climate Vulnerability Monitor: A Guide to the Cold Calculus of A Hot Planet, 2012

What the **world needs**

Architects

Community legal support

Cross-cultural consultants

Development specialists

Doctors

Economists

Environmental engineers

Food scientists

Gender specialists

Geospatial information scientists

Human rights lawyers

International journalists

Interpreters and translators

Organisational managers

Policy analysts

Political advisers

Political scientists

Pro bono legal advisers

Project managers

Public sector managers

Refugee and displacement advocates

Renewable energy entrepreneurs

Research consultants

Social entrepreneurs

Social scientists

Social workers

Teachers

Urban planners

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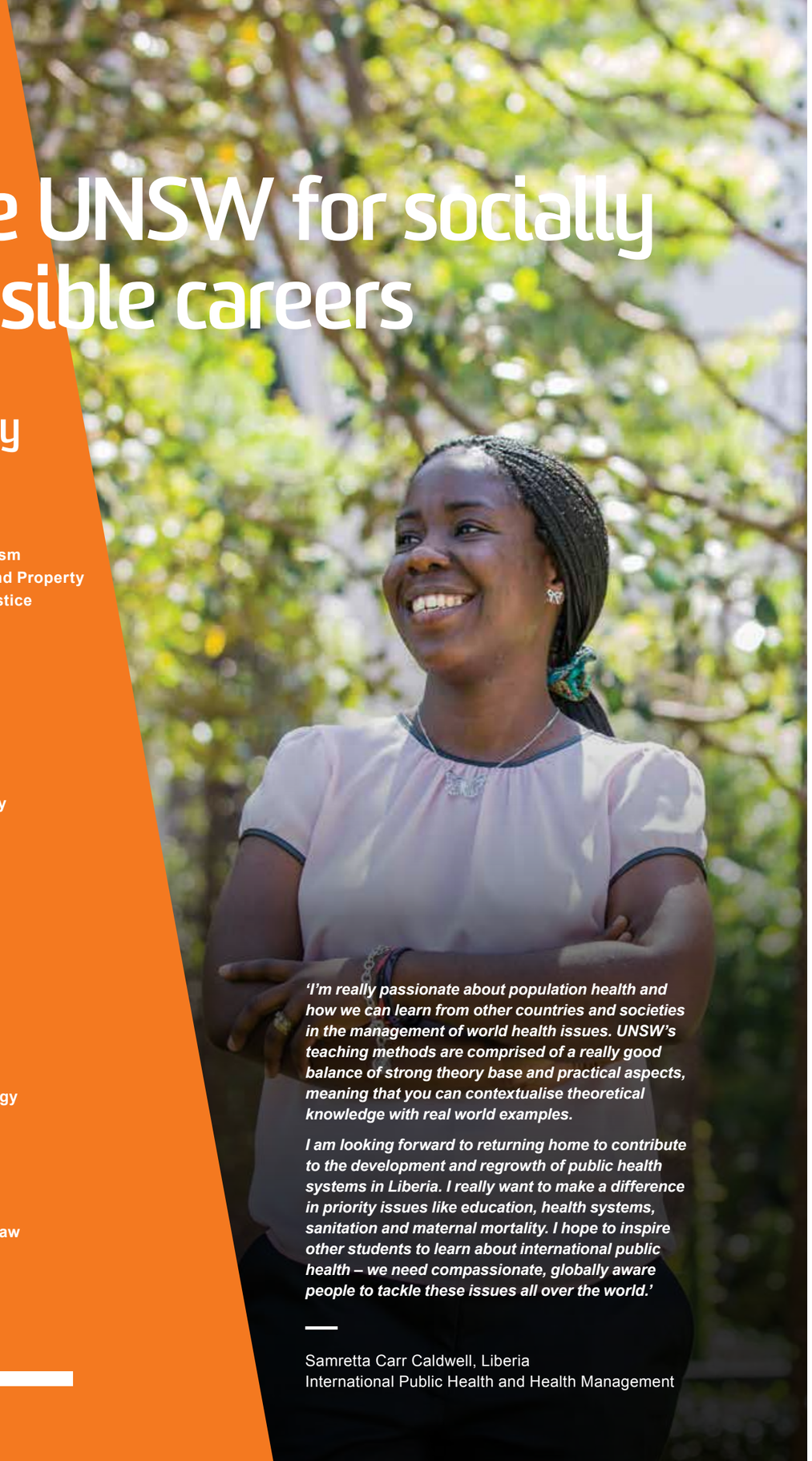
Choose UNSW for socially responsible careers

Areas of **study**

Architecture
Architectural Studies
Arts
Business
Communication and Journalism
Construction Management and Property
Criminology and Criminal Justice
Design
Development Studies
Economics
Education
Environmental Engineering
Environmental Humanities
Environmental Law
Environmental Management
Food Science and Technology
Human Geography
Human Rights Law
Immunology
Industrial Design
International Law
International Relations
International Studies
Law
Landscape Architecture
Medicine
Nutrition
Optometry
Photovoltaics and Solar Energy
Planning
Political Science
Renewable Energy
Science
Social Research and Policy
Social Research and Policy Law
Social Sciences
Social Work
Statistics
Urban Planning
Vision Science



'I'm really passionate about population health and how we can learn from other countries and societies in the management of world health issues. UNSW's teaching methods are comprised of a really good balance of strong theory base and practical aspects, meaning that you can contextualise theoretical knowledge with real world examples.

I am looking forward to returning home to contribute to the development and regrowth of public health systems in Liberia. I really want to make a difference in priority issues like education, health systems, sanitation and maternal mortality. I hope to inspire other students to learn about international public health – we need compassionate, globally aware people to tackle these issues all over the world.'

Samretta Carr Caldwell, Liberia
International Public Health and Health Management

Improving the world begins at UNSW

Justice for all

UNSW Law's commitment to justice for all is demonstrated through the its association with a range of legal research, advocacy and education Centres. These Centres play a central role in the education of students through internships and clinical legal education. UNSW is also host to the Centre for Refugee Research and Gender Violence Research Network.

Collaborative and progressive approach to learning

You'll learn in a vibrant atmosphere focused on social and global improvements with a collaborative and interdisciplinary approach to our teaching. In this environment, you will develop the capacity to make an informed engagement with pressing national and global issues.

Top 15 subject rankings

Our Law subject was placed at 15th, Architecture/Built Environment ranked 22nd and Education scored 41st place globally.
/ QS World University Rankings by Subject 2015

Social policy research excellence

From health and security to education and global governance and human rights, our UNSW Arts and Social Sciences' researchers are developing new ways of understanding, and responding to, the continual transformation of our highly interconnected world. We have the strongest concentration of social policy researchers in Australia and are recognised for excellence in social policy research and engagement.

Global faculty

In the QS World University Rankings by Faculty, 2014 we are 20th in the world for Social Sciences and 51st for Arts & Humanities. We are also proudly ranked 46th in the world for Social Sciences in the Times Higher Education World University Rankings 2014-2015.

Undergraduate degree programs
Index

Actuarial Studies

Bachelor of Actuarial Studies
Program code 3586

Faculty Business School	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$36,000
Minimum years 3 years	**Entry** February and July	**Assumed knowledge** Maths

Program structure
The core courses combine studies in actuarial studies, economics, finance and mathematics, which prepares you for a role as an actuarial analyst. Students who achieve the required academic standard in the actuarial studies courses will gain exemption from Part I of the Actuaries Institute Australia professional examinations as well as the Core Technical courses of the Institute and Faculty of Actuaries (UK) professional examinations. The degree can be enhanced with a second approved major.

MAJOR
Actuarial Studies

OTHER MAJORS
Accounting; Business Economics; Business Law; Business Strategy and Economic Management; Finance; Financial Economics; Information Systems; International Business; Management; Marketing; Mathematics; Statistics; Human Resource Management; Real Estate Studies; and Taxation

Compulsory core courses: Accounting and Financial Management 1A, Accounting and Financial Management 1B, Business Finance, Introduction to Actuarial Studies, Microeconomics 1, Macroeconomics 1, Managing Organisations and People, Mathematics for Actuarial Studies and Finance 1A, Mathematics for Actuarial Studies and Finance 1B, Foundations of Actuarial Models, Financial Mathematics for Actuaries, and Probability and Mathematical Statistics.

Career opportunities
There is strong demand for graduates in actuarial studies, especially in the financial services, insurance and superannuation industry. As a graduate, you can work as an actuarial analyst, consultant, asset management trainee, credit analyst, forecasting analyst, insurance analyst, risk assessment officer, statistical research analyst, superannuation advisor or wealth management analyst.

Professional recognition
This degree serves as a foundation for students who wish to enter the actuarial profession. Students must achieve the required academic standard in their actuarial studies courses to gain exemptions from Part I of the Actuaries Institute Australia professional examinations, the core technical subjects of the Institute and Faculty of Actuaries (UK) professional examinations, and the Validation by Educational Experience credit for the Society of Actuaries (USA). Students can gain exemptions from Part II of the Actuaries Institute, Australia professional examinations and become an associate member by completing an honours year in actuarial studies at the required academic standard.

Dual Award Degree Programs
Bachelor of Actuarial Studies / Bachelor of Commerce - page 75
Bachelor of Actuarial Studies / Bachelor of Economics - page 75
Bachelor of Actuarial Studies / Bachelor of Laws - page 82
Bachelor of Actuarial Studies / Bachelor of Science - page 75
Bachelor of Actuarial Studies / Bachelor of Science (Advanced Mathematics) - page 75

Architecture

Bachelor of Computational Design
Program code 3268

Faculty Built Environment	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$33,840
Minimum years 3 years	**Entry** February	**Assumed knowledge** None

Program structure
YEAR 1
Architectural Design Studio 1; Computational Design Theory 1; Enabling Skills in Digital Fab; Modelling and Visualization; Computational Design Theory 2; Urban Modelling; Ubiquitous Cities; Real-Time Environments

YEAR 2
Computational Design Theory 3; Computational Sustainability; Advanced Computational Design; Building Information Modelling; Urban Interaction Design; Advanced Digital Fabrication; Design Information Management; Open Elective

YEAR 3
Digital Collaboration Studio; Open Elective; BEIL course; General Education; Graduation Project; BEIL Course; General Education.

Career opportunities
Employers as wide ranging as architects, planners, urban designers, industrial and product designers, landscape architects, property developers, builders and construction managers will value the computational design skills acquired by the graduate.

The built environment professions are amongst the most advanced in their use of emerging technologies and the qualifications gained will be highly sought after to support the leading practices and businesses in this industry. Graduates will be able to work in the following fields: Architectural and urban design specialist,digital optimisation consultant for architecture or engineering firms, software solutions developer, design to production manager in a construction firm, smart Cities consultant in planning offices or councils, urban data analyst for business consultancy firms, design technology manager in architecture and design firms, digital fabrication and smart manufacturing specialist, animation professional, gaming environment developer, building Information Model (BIM) Implementer, parametric design enabler

Bachelor of Architectural Studies
Program code 3261

Faculty Built Environment	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$34,560
Minimum years 3 years	**Entry** February	**Assumed knowledge** None

Program structure
YEAR 1
Architectural Design Studio 1, Architectural History and Theory 1, Environment 1, Enabling Skills and Research Practice, Architectural Design Studio 2, Architectural Communications, Structures and Construction 1, 1 open elective

YEAR 2
Architectural Design Studio 3, Building Information Modelling, Architectural Design Studio 4, Architectural History and Theory 2, Structures and Construction 2, 2 general education courses and 1 open elective

YEAR 3
Architectural Design Studio 5, Environment 2, Architectural Design Studio 6, Architectural History and Theory 3, 2 BEIL interdisciplinary learning courses
Note: An optional honours year is available.

Career opportunities
As a graduate, you may find employment as a consulting architect in a private practice, a specialist architect, an architect at a

continued on next page

multidisciplinary design practice, an architect in a government office or large commercial practice architectural firms.

Professional recognition
The Bachelor of Architectural Studies is the undergraduate pathway to the professionally accredited postgraduate Master of Architecture degree which has professional recognition from the NSW Architects Registration Board, Australian Institute of Architects, Architects Accreditation Council of Australia and Commonwealth Association of Architects.

Bachelor of Architectural Studies (UNSW - Tongji)

Program code 3264

Faculty Built Environment	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$34,560
Minimum years 4 years	**Entry** February (Students commence the dual degree at Tongji and the Tongji academic year commences in September.)	**Assumed knowledge** None

Admission Requirements
Applicants for admission will require academic qualification, portfolio and interview to meet requirements.

An online application needs to be submitted directly to Tongji University and not through UNSW. For more information: http://study.tongji.edu.cn

This degree is not available to students who are currently studying an undergraduate architecture degree or PRC citizens.

Program Structure
Semester one commences in September 2016 at Tongji University.

Equivalent of 96 UOC will be studied at Tongji University (first 3 semesters and last semester of the degree). 96 UOC will be studied at UNSW Built Environment (4 semesters).

At the end of the fourth year, graduates will be eligible to apply for the UNSW Master of Architecture program or alternatively proceed to postgraduate studies at Tongji University.

Career opportunities
This degree will prepare you for work in both China and Australia. As a graduate, you may find employment as a consulting architect in a private practice, a specialist architect, an architect at a multidisciplinary design practice, an architect in a government office or large commercial practice architectural firms.

Professional recognition
The Bachelor of Architectural Studies is an undergraduate pathway to the professionally accredited postgraduate Master of Architecture degree which has professional recognition from the NSW Architects Registration Board, Australian Institute of Architects, Architects Accreditation Council of Australia and Commonwealth Association of Architects.

Bachelor of Interior Architecture

Program code 3255

Faculty Built Environment	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$31,920
Minimum years 4 years	**Entry** February	**Assumed knowledge** None

Program Structure
YEAR 1
Design Practice 1, Interior Technics 1, Critical Perspectives 1, Design Practice 2, Interior Technics 2, Critical Perspectives 2

YEAR 2
Design Practice 3, Interior Technics 3, Critical Perspectives 3, Design Practice 4, Interior Technics 4, Critical Perspectives 4

YEAR 3
Design Practice 5, Design Practice 6, 2 general education courses, 2 BEIL interdisciplinary learning courses

YEAR 4
Design Practice 7, Design Practice 8, 2 open elective courses, 2 BE elective courses

Career opportunities
As a graduate, you can pursue a career as a private consultant or corporate interior designer and design for the broad spectrum of public and private sectors including office, hotel, exhibition, medical and retail environments.

Professional recognition
The program is recognised by the International Federation of Interior Architects/Designers through the Design Institute of Australia.

Bachelor of Landscape Architecture

Program code 3380

Faculty Built Environment	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$32,400
Minimum years 4 years including a period of 90 days work experience	**Entry** February	**Assumed knowledge** None

Program structure
YEAR 1
Design Communication 1, Landscape Studio 1, Introduction to Landscape Architecture, Landscape Analysis, Landscape Studio 2, History of Landscape Architecture, Plants and Design, Design Communication 2

YEAR 2
Landscape Studio 3, Landscape Documentation, Landscape Studio 4, Planting Design at the Landscape Scale, Landscape Engineering Principles, Select Electives, general education courses

YEAR 3
Landscape Management, Landscape Studio 5, Urban Landscape Design Seminar, Landscape Studio 6, 2 BEIL interdisciplinary learning course

YEAR 4
Landscape Studio 7, Contemporary Theory and Research, Professional Practice, Landscape Studio 8, Optional Thesis, open electives

Career opportunities
As a graduate, you can pursue a career as a design consultant in a private practice, technical officer or designer in state or local government, landscape designer or planner in state government or landscape planning and management specialist.

Professional recognition
This program is accredited by the Australian Institute of Landscape Architects.

Art Theory

Bachelor of Art Theory

Program code 4803

Faculty Art & Design	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$29,040
Minimum years 3 years	**Entry** February and July	**Assumed knowledge** None

Program structure
In your first year, you will undertake required courses introducing you to a range of Fine Art, Design and Media histories and theories. In second and third year, you are able to tailor your degree by choosing your own art theory major. Throughout your study, you will be able to fine-tune your skills and areas of expertise by undertaking electives in any area, including Fine Arts, Design or Media Arts.

Career opportunities
The creative and cultural industries are key drivers of growth in the contemporary global economy. Our graduates are sought after across a range of arts, cultural, entertainment, media and technology industries.

Careers for Bachelor of Art Theory graduates include:
- Arts and Cultural Management, Policy Making and Administration
- Creative Direction, Planning and Production
- Art and Design Criticism, Communications and Journalism
- Cultural and Creative Research and Scholarship
- Multi-Platform Publishing and Distribution
- Curatorship, Festival, Event and Museum Management
- Design Thinking and Management
- Public Programming and Engagement
- Entrepreneurship, Strategist, Creative Social Enterprise and Startups

Dual Award Degree Programs
Bachelor of Art Theory / Bachelor of Arts - page 75
Bachelor of Art Theory / Bachelor of Laws - page 82
Bachelor of Art Theory / Bachelor of Social Policy & Research - page 75

Arts

Bachelor of Arts

Program code 3403

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$29,040
Minimum years 3 years	**Entry** February and July	**Assumed knowledge** None

Areas of Study
- Art History and Theory*
- Asian Studies
- Australian Studies*
- Chinese Studies
- Creative Writing
- Criminology
- Development Studies
- Economics
- English
- Environmental Humanities
- European Studies
- Film Studies
- French Studies
- Geography
- German Studies
- Greek Studies*
- Spanish and Latin American Studies
- History
- Human Resource Management
- Indigenous Studies
- Indonesian Studies*
- International Business
- International Relations
- Italian Studies*
- Japanese Studies
- Korean Studies
- Linguistics
- Media, Culture and Technology
- Music
- Philosophy
- Politics
- Psychology*
- Sociology and Anthropology
- Theatre and Performance Studies
- Women's and Gender Studies*

** minor only*

Program structure
You will complete in-depth study in two areas, which you select from 35 areas of study. You may select two majors, completing your Arts degree with a double major. Alternatively, you may select one major and one minor area of study.

Career opportunities
As a Bachelor of Arts graduate you will develop transferable skills suited to a wide range of careers. These skills include critical and creative problem solving, persuasive communication and presentation skills, research skills, an understanding of human behavior, and respect for social, cultural and individual diversity.

Our graduates can be found in the following careers: Diplomacy, publishing, the arts and creative industries, international affairs, education, journalism, social justice, politics, university and public administration, interpreting and translating, business and entrepreneurship, media and research.

Dual Award Degree Programs
Bachelor of Art Theory / Bachelor of Arts - page 75
Bachelor of Fine Arts / Bachelor of Arts - page 81
Bachelor of Commerce / Bachelor of Arts - page 76
Bachelor of Economics / Bachelor of Arts - page 77
Bachelor of Arts / Bachelor of Education (Secondary) - page 77
Bachelor of Engineering (Honours) / Bachelor of Arts - page 80
Bachelor of Environmental Management / Bachelor of Arts - page 81
Bachelor of Arts / Bachelor of Laws - page 82
Bachelor of Music / Bachelor of Arts - page 84
Bachelor of Science / Bachelor of Arts - page 85
Bachelor of Science (Advanced) / Bachelor of Arts - page 85
Bachelor of Science (Advanced Mathematics) / Bachelor of Arts - page 86
Bachelor of Social Work (Honours) / Bachelor of Arts - page 86

Bachelor of Arts and Business

Program code 3437

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$32,520
Minimum years 3 years	**Entry** February and July	**Assumed knowledge** None

Program structure
This degree allows you to merge your passion in Arts, Humanities and Social Sciences with a practical understanding of marketing and business principles. You will develop foundations in business through the following core courses:
- Accounting and Financial Management 1A
- Business and the Law
- Microeconomics 1
- Marketing Fundamentals
- Managing Organisations and People

You then have the opportunity to gain additional business insight through marketing, business

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law and management elective courses. You also complete an arts major (nine courses) and a minor (six courses) as well as one arts elective.

MAJORS AND MINORS

- Asian Studies
- Australian Studies*
- Art History and Theory*
- Chinese Studies
- Creative Writing
- Criminology
- Development Studies
- English
- Environmental Humanities
- European Studies
- Film Studies
- French Studies
- Geography*
- German Studies
- Greek Studies*
- Spanish and Latin American Studies
- History
- Indigenous Studies
- Indonesian Studies*
- International Relations
- Italian Studies*
- Japanese Studies
- Korean Studies
- Linguistics
- Media, Culture and Technology
- Music
- Philosophy
- Psychology*
- Politics
- Sociology and Anthropology
- Theatre and Performance Studies
- Women's and Gender Studies*

** minor only*

Career opportunities

This degree provides you with the skills to work in management, marketing and strategy roles in a range of industries and organisations. Your choice of major and minor will help shape your career options.

You will develop skills, capabilities and ways of thinking critically, which are highly valued by employers and professions including critical and creative problem solving, persuasive communication and presentation skills, research skills, an understanding of human behavior, and respect for social, cultural and individual diversity.

See also
Bachelor of Arts - page 50
Bachelor of Commerce - page 52
Bachelor of Arts and Business / Bachelor of Laws - page 82
Bachelor of Commerce / Bachelor of Laws - page 82

Aviation

Bachelor of Aviation (Flying) Program code 3980	**Faculty** Science	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$37,440
	Minimum years 3 years	**Entry** February	**Assumed knowledge** Maths and Physics is recommended

Program structure

The Bachelor of Aviation within the flying stream is an integrated program consisting of an academic core plus quality flight training to commercial standards.

YEAR 1
Fundamentals of Aviation, Introduction to Human Factors, Airline Economics, Introduction to Aircraft Engineering, Mathematics for Life Sciences, Statistics for Life and Social Sciences, Physics 1A (Aviation), Energy and Environmental Physics

YEAR 2
Flight Operations 1, Flight Operations 2, General Education

YEAR 3
Flight Operations 3, Airline Management, Aviation Safety and Resource Management, General Education, and one course chosen from: Simulation Applications and Air Traffic Management, Aviation Maintenance Technology and Operations Aircraft Evaluation and Design Appraisal

Career opportunities

Whilst many trainee pilots aim at airline employment, you may also find careers in business aviation, training, charter flying and aerial survey work.

Professional recognition

On graduation, students who complete the three-year flight training option will hold the Bachelor of Aviation. You will attain a minimum of Commercial Pilots Licence with a Multi Engine Command Instrument Rating and an Air Transport Pilots Licence (frozen) on completion of the degree with advanced options available including Instructor Rating, Multi Crew course or a research project. As an international student, you are advised to confirm registration requirements with the relevant aviation authorities in your home country. A Class One aviation medical certificate is required to be a commerical pilot. You should check with your local aviation medical examiner to determine whether you are eligibile for an Australian Class One medical certificate.

Bachelor of Aviation (Management) Program code 3981	**Faculty** Science	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$37,440
	Minimum years 3 years	**Entry** February and July	**Assumed knowledge** Maths

Program structure

YEAR 1
Fundamentals of Aviation, Introduction to Human Factors, Airline Economics, Introduction to Aircraft Engineering, Mathematics for Life Sciences, Statistics for Life and Social Sciences, Physics 1A (Aviation), Energy and Environmental Physics, Airline Financial Analysis and Decision Support

YEAR 2
Aviation Law and Regulations, Airline Marketing Strategies, Regional and General Aviation, General Education, and courses chosen from: Managing People, Microeconomics 1, Aviation Technologies, Aviation Operations Research, Aviation Security and Airport Management, Air Transport: Environment, Logistics and Economics

YEAR 3
Airline Management, Airline Resource Management, Aviation Safety and Resource Management, Aviation Research Methods, General Education, and courses chosen from: Simulation Applications and Air Traffic Management, Aviation and Sustainable Tourism, Airport Management 2, Workplace Safety, Aviation Maintenance Technology and Operations, Aircraft Evaluation and Design Appraisal

Career opportunities

Management within the industry often requires substantial knowledge of technical matters. Managers in aviation may also need specific knowledge of the unique operational aspects of the industry that relate to scheduling, route planning, airport operations, aviation laws and regulations, security, economics and marketing. Employment is therefore open in many areas and you may work within several of these areas during your career.

Dual Award Degree Programs
Bachelor of Commerce / Bachelor of Aviation (Management) - page 76

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Biotechnology

Bachelor of Science (Biotechnology) Program code 3052	**Faculty** Science	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$37,440
	Minimum years 4 years	**Entry** February and July (summer semester must be completed after 1st semester of study)	**Assumed knowledge** Maths and Chemistry

Program structure

YEAR 1
Molecules Cells and Genes, Introductory Biotechnology, Chemistry, Mathematics, electives

YEAR 2
Current Trends in Biotechnology, Principles of Biochemistry (Advanced), Principles of Molecular Biology (Advanced), Genetics, Microbiology, Molecular Cell Biology, General Education, and selected courses from the following: Evolutionary and Physiological Ecology, Organic Chemistry, Chemical and Spectroscopic Analysis, Physiology, Introductory Pharmacology and Toxicology

YEAR 3
Molecular Biology of Nucleic Acids, Biotechnology and Bioengineering, Commercial Biotechnology, Professional Issues in Biotechnology, General Education, and selected courses from an approved medical stream, environmental stream or molecular stream

YEAR 4
Biotechnology research project

Career opportunities

As a graduate, you can expect to find employment in a wide range of organisations including start-up companies developed to commercialise new research findings, established companies applying new biological techniques, medical and biological research organisations and a range of commercially related activities such as patents and venture capital.

See also
Bachelor of Engineering (Honours) in Bioinformatics Engineering - page 56
Bachelor of Science - page 72
Bachelor of Science (Advanced) - page 73

Commerce

Bachelor of Commerce Program code 3502	**Faculty** Business School	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$36,000
	Minimum years 3 years	**Entry** February and July	**Assumed knowledge** Maths

Program structure

The compulsory core courses in the first semester provide you with the business fundamentals. You will then choose four courses from a list that allows you to explore different areas of study and help you choose a major.

Compulsory core courses are:
Accounting and Financial Management 1A, Business and Economic Statistics, Microeconomics 1, Managing Organisations and People

Choose four courses from the following list:
Accounting and Financial Management 1B, Business and the Law, Business Finance, Creating Social Change: From Innovation to Impact, Global Business Environment, IS in Business, Macroeconomics, Marketing Fundamentals

MAJORS
In your second and third year of study, you can choose one or two majors.

Commerce majors
Accounting; Business Economics; Business Law; Business Strategy and Economic Management; Finance; Financial Economics; Human Resource Management; Information Systems; International Business; Management; Marketing; Real Estate Studies and Taxation.

Other approved majors
Chinese Studies; French Studies; German Studies; Japanese Studies; Korean Studies; and Spanish and Latin American Studies.

- Accounting
- Business Economics
- Business Law
- Business Strategy and Economic Management
- Finance
- Financial Economics
- Human Resource Management
- Information Systems
- International Business
- Management
- Marketing
- Real Estate Studies
- Taxation

Career opportunities

As a graduate, you will be equipped with specialist technical skills which are the building blocks for a career in business, as well as developed analytical skills. You will be qualified to pursue a range of careers across local and international organisations, government and not-for-profit organisations and work as an accountant, economist, strategy consultant, business manager, marketing specialist, information systems consultant, taxation advisor, investment banker, or policy advisor.

Professional recognition

You can tailor your studies to meet the educational requirements for peak professional bodies including the Australian Computer Society, the Australian Human Resource Institute, the Australian Securities and Investment Commission, CPA Australia, the Chartered Accountants Australia and New Zealand, Institute of Public Accountants, and the Financial Services Institute of Australasia.

Dual Award Degree Programs
Bachelor of Actuarial Studies / Bachelor of Commerce - page 75
Bachelor of Commerce / Bachelor of Arts - page 76
Bachelor of Commerce / Bachelor of Aviation (Management) - page 76
Bachelor of Commerce / Bachelor of Design (Honours) - page 76
Bachelor of Commerce / Bachelor of Economics - page 76
Bachelor of Commerce / Bachelor of Fine Arts - page 76
Bachelor of Commerce / Bachelor of Information Systems - page 76
Bachelor of Commerce / Bachelor of Media (Public Relations and Advertising)- page 76
Bachelor of Commerce / Bachelor of Science - page 76
Bachelor of Commerce / Bachelor of Science (Advanced) - page 76
Bachelor of Commerce / Bachelor of Science (Advanced Mathematics) - page 76
Bachelor of Commerce / Bachelor of Science (Computer Science) - page 76
Bachelor of Commerce / Bachelor of Education (Secondary) - page 77
Bachelor of Commerce / Bachelor of Laws - page 82
Bachelor of Engineering (Honours) / Bachelor of Commerce - page 80
Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Commerce - page 81
Bachelor of Music / Bachelor of Commerce - page 84

Bachelor of Commerce (International) Program code 3558	Faculty Business School	Units of credit (per year/total) 48/192	Estimated first year tuition A$36,000
	Minimum years 4 years	Entry February and July	Assumed knowledge Maths

Program structure
This is a rigorous four-year program which includes:
- Core courses from the Bachelor of Commerce including four compulsory core and four elective core courses
- A choice of one commerce major (see Bachelor of Commerce)
- Four international studies courses (including Asian studies, European studies, development studies, modern languages and international relations), one intercultural and cross cultural study course, two studies of the region course and one capstone course
- A 12-month period of overseas study*

*In order to proceed on the Overseas Study Program, which is a compulsory part of this program, students must satisfy the academic requirements of the University's International Exchange Program.

Career opportunities
As a graduate, you can find employment in diverse professions within the commerce industry depending on your choice of major in the commerce degree. You can work in government agencies including foreign affairs, investment banks and other financial institutions with international links as well as non-government organisations.

Dual Award Degree Programs
Bachelor of Actuarial Studies / Bachelor of Commerce - page 75
Bachelor of Commerce / Bachelor of Arts - page 76
Bachelor of Commerce / Bachelor of Aviation (Management) - page 76
Bachelor of Commerce / Bachelor of Design (Honours) - page 76
Bachelor of Commerce / Bachelor of Economics - page 76
Bachelor of Commerce / Bachelor of Education (Secondary) - page 77
Bachelor of Commerce / Bachelor of Fine Arts - page 76
Bachelor of Commerce / Bachelor of Information Systems - page 76
Bachelor of Commerce / Bachelor of Laws - page 82
Bachelor of Commerce / Bachelor of Media (Public Relations and Advertising)- page 76
Bachelor of Commerce / Bachelor of Science - page 76
Bachelor of Commerce / Bachelor of Science (Advanced) - page 76
Bachelor of Commerce / Bachelor of Science (Advanced Mathematics) - page 76
Bachelor of Commerce / Bachelor of Science (Computer Science) - page 76
Bachelor of Engineering (Honours) / Bachelor of Commerce - page 80
Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Commerce - page 81
Bachelor of Music / Bachelor of Commerce - page 84

Computer Science

Bachelor of Science (Computer Science) Program code 3978	Faculty Engineering	Units of credit (per year/total) 48/144	Estimated first year tuition A$37,440
	Minimum years 3 years	Entry February and July	Assumed knowledge Maths

Program structure
A typical program sequence is shown below.

YEAR 1
Computing, Mathematics, Discrete Mathematics, 3 electives

YEAR 2
Software Construction, Microprocessors and Interfacing, Engineering Design in Computing, electives, general education courses

YEAR 3
Management and Ethics, Level 3/4 Computer Science electives, 2 electives, general education courses

Career opportunities
Graduates are employed in a wide range of industries, in government departments and private firms (including software development companies like Microsoft, IBM and Sun Microsystems). They commonly work as programmers and analysts, but some find that working with people in user support, or as a network administrator, is more to their liking.

Professional recognition
Graduates are eligible for membership of the Australian Computer Society and the Association for Computing Machinery, the peak industry/ academic body in North America.

Dual Award Degree Programs
Bachelor of Commerce / Bachelor of Science (Computer Science) - page 76
Bachelor of Science / Bachelor of Science (Computer Science) - page 85
Bachelor of Science (Computer Science) / Bachelor of Arts - page 85
Bachelor of Engineering (Honours) / Bachelor of Science (Computer Science) - page 80
Bachelor of Science (Computer Science) / Bachelor of Laws - page 83
Bachelor of Science (Advanced) / Bachelor of Science (Computer Science) - page 86
Bachelor of Science (Advanced Mathematics) / Bachelor of Science (Computer Science) - page 86
Bachelor of Media Arts (Honours)/Bachelor of Science (Computer Science) - page 84

Construction Management and Property

Bachelor of Construction Management and Property Program code 3331	Faculty Built Environment	Units of credit (per year/total) 48/192	Estimated first year tuition A$32,400
	Minimum years 4 years (including a period of 80 days work experience)	Entry February	Assumed knowledge None

Program structure
YEAR 1
Construction Materials, Construction Management Principles, Domestic Construction, Introduction to Construction and Property Industries, Building Structures, Construction and Property Economics, Low Rise Residential Construction, Project Management

YEAR 2
Construction Law, Industrial Building Construction, Construction Contract Administration, Tall Building Construction, 1 open elective, 2 specified electives, 1 BE elective

YEAR 3
Scheduling Techniques in Construction, OH&S in the Built Environment, Construction Techniques, Social Responsibility and Professional Ethics, 2 specified electives, 2 BEIL interdisciplinary learning courses

YEAR 4
Thesis (optional), specified electives, open elective, 2 general education

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Career opportunities
As a graduate, you can work as a developer, property consultant, construction manager, project manager, quantity surveyor, facilities manager or builder.

Professional recognition
Dependent on the completion of specific units, this degree is accredited by the Royal Institute of Chartered Surveyors, the Australian Institute of Building (AIB), the Australian Property Institute, the Australian Institute of Quantity Surveyors and the Chartered Institute of Building.

See also
Bachelor of Engineering (Honours) in Civil Engineering - page 57

Criminology

Bachelor of Criminology and Criminal Justice Program code 3422	Faculty Arts & Social Sciences	Units of credit (per year/total) 48/144	Estimated first year tuition A$29,040
	Minimum years 3 years	Entry February and July	Assumed knowledge None

Program structure
Criminologists work to reduce crime by better understanding it. This degree draws on disciplines such as psychology, sociology, law, philosophy, cultural studies and history. You will study 13 core courses in Criminology, and Social Policy and Research, and a further 11 elective courses including prescribed electives, free electives and general education courses.

YEAR 1
Introduction to Criminology, Introduction to Criminal Justice, Policy and Society, Social Research and Society, electives

YEAR 2
Criminal Law and Justice 1, Criminal Law and Justice 2, Qualitative Social Research, Policy Analysis, Criminology electives, electives

YEAR 3
Explaining Crimes, Criminology Capstone, Social Theory and Policy Analysis, Social Science and Policy Project, Criminology Electives, Electives

Criminology electives may include: History of Crime; Law, Policy and Practice; Criminal Justice System; Juvenile Justice; Policing; Sex, Human Rights and Justice; Deviant Fieldwork; Crime in Australian Society; Crime, Gender and Sexuality

Career opportunities
Our graduates can be found working as policy analysts and advisors, research officers, project managers and research designers in private, government and non-government sectors.

Dual Award Degree Programs
Bachelor of Criminology and Criminal Justice / Bachelor of Laws - page 82
Bachelor of Social Work (Honours) / Bachelor of Criminology and Criminal Justice - page 86

Design

Bachelor of Design (Honours) Program code 4809	Faculty Art & Design	Units of credit (per year/total) 48/192	Estimated first year tuition A$29,040
	Minimum years 4 years	Entry February and July	Assumed knowledge None

Program structure
In the first year, all Art & Design studio degree students undertake a foundation year made up of Gateway courses. Design, Fine Arts and Media Arts students work alongside each other, encouraging multidisciplinary engagement and allowing you to gain a thorough foundation of conceptual, technical skills and ways of thinking that are applicable to a wide range of studio practices. As a first year student you will also complete two design gateway courses that will introduce you to working in the contemporary and historic disciplines of design, context and environment, materials and methodologies.

In your second year of study, you will choose two Design studio streams to focus on from Graphics Media, Object Design, Spatial Design, Ceramics, Jewellery and Textiles. You will continue with these two studios in your third year, which also includes an integrated project completed across both studios.

The fourth year of study is an Honours year in which you will undertake a major integrated studio project enabling you to demonstrate your emerging design capacities and professionalism. You will also undertake an industry-based internship as part of our Professional Experience Program to prepare you for employment in the design sector.

DESIGN STUDIO STREAMS
Graphics Media, Spatial Design, Object Design, Jewellery, Textiles, Ceramics

Career opportunities
UNSW's Bachelor of Design (Hons) prepares students to be dynamic design professionals and studio practitioners.

Our graduates are highly sought after across a broad range of professional design disciplines in media and technology industries, global institutions, major corporations, creative and bespoke agencies.

Graduates find employment in areas including:
- Graphics, media and digital design
- Interaction design
- Communications, branding and advertising
- Design management and strategy
- Social innovation and entrepreneurship
- App development, data visualisation and responsive design
- Creative consultancies, design and media studios, design-led businesses
- Environmental, spatial, interior and architectural design practices
- Object, furniture and lighting design
- Film, television, online and mobile production and post-production
- Design for exhibitions, galleries and museums
- Costume, theatre and events design
- Design teaching and academia
- Jewellery design
- Packaging, illustration and publishing
- Textile, fabric, wearable design and fashion

Dual Award Degree Programs
Bachelor of Commerce / Bachelor of Design (Honours) - page 76
Bachelor of Design (Honours) / Bachelor of Education (Secondary) - page 78
Bachelor of Design (Honours) / Bachelor of Media (Public Relations and Advertising) - page 77

Bachelor of Industrial Design

Program code 3385

Faculty	Units of credit (per year/total)	Estimated first year tuition
Built Environment	48/192	A$31,920
Minimum years	**Entry**	**Assumed knowledge**
4 years	February	None

Program structure

YEAR 1
Physical Principles for Design; Design Studio 1; Communication 1; Design Studio 2; Manufacturing Technology; Communication 2.

YEAR 2
Design Studio 3; Ergonomics; Marketing Fundamentals; Thinking Products; Design Studio 4; 1 FBE Elective.

YEAR 3
Design Studio 5; Design Studio 6; Consumer Behaviour; 2 x BEIL Interdisciplinary courses; 2 x BE Electives.

YEAR 4
Design Studio 7; Design Studio 8; 2 x Open Elective courses; 2 x General Education courses.

Career opportunities

As a graduate, you can pursue a career as a product designer within a design consultancy, a multidisciplinary design team (architectural and engineering consultancies), or the manufacturing sector (consumer and public access products – electrical, transport, scientific, medical, retail, furniture, telecommunications), digital multimedia designer, product branding and marketing, packaging designer, exhibition designer or graphic designer.

Professional recognition

The Bachelor of Industrial Design is recognised by the Design Institute of Australia, the professional body representing industrial, graphic and interior designers.

Economics

Bachelor of Economics

Program code 3543

Faculty	Units of credit (per year/total)	Estimated first year tuition
Business School	48/144	A$36,000
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	Maths

Program structure

The first year of study provides an understanding of economic theory and business statistics, and an introduction to the application of economics to contemporary issues. This helps you choose the right economics major for your studies. You will then have the option to choose a second major to study in the degree.

Compulsory first and second year core courses:
Accounting and Financial Management 1A Microeconomics 1, Macroeconomics 1, Quantitative Analysis Business and Economic Statistics, Economic Analysis, Microeconomics 2, Introductory Econometrics

MAJORS
In your second and third year of study, you can choose one or two majors of study:

- *Economics majors:*
  Econometrics
- Economics
- Financial Economics

Other majors:
Accounting; Business Law; Finance; Human Resource Management; Information Systems; International Business; Management; Marketing; Real Estate Studies; Taxation; Mathematics; Psychology; Statistics; and any major offered in the Bachelor of Arts.

Career opportunities

Graduates in the various economics disciplines find employment in many areas of business and government. Specific job tasks can vary enormously, providing the potential for a challenging and exciting career. Graduates with high qualifications in economics typically work as professional economists. They are sought after by major economic policy government departments, private sector employers and international organisations. Private sector employers include major economic consulting firms, retail and investment banks, and financial service providers.

Dual Award Degree Programs

Bachelor of Actuarial Studies / Bachelor of Economics - page 75
Bachelor of Commerce / Bachelor of Economics - page 76
Bachelor of Economics / Bachelor of Arts - page 77
Bachelor of Economics / Bachelor of Science - page 77
Bachelor of Economics / Bachelor of Science (Advanced) - page 77
Bachelor of Economics / Bachelor of Science (Advanced Mathematics) - page 77
Bachelor of Economics / Bachelor of Education (Secondary) - page 78
Bachelor of Economics / Bachelor of Laws - page 82

Education (Secondary)

Program structure

In this degree you will experience both theoretical and practical aspects of education, including 80 days supervised professional experience in at least three different schools. The Bachelor of Education (Secondary) is studied as a dual degree with Arts, Commerce, Design (Honours), Economics, Fine Arts, Media Arts (Honours), Music or Science. You will graduate with two degrees and a nationally accredited pre-service qualification to teach.

Career opportunities

Our Bachelor of Education (Secondary) is recognised as an initial teaching qualification in both government and non-government schools in Australia and internationally. As it is only offered as a dual degree graduates benefit from further career opportunities in complimentary professions.

Professional recognition

These programs are endorsed by the Board of Studies, Teaching and Educational Standards NSW (BOSTES)

Note: please check the qualifications required to be a practicing secondary teacher in your country.

Dual Award Degree Programs

Bachelor of Arts / Bachelor of Education (Secondary) - page 77
Bachelor of Commerce / Bachelor of Education (Secondary) - page 77
Bachelor of Design (Honours) / Bachelor of Education (Secondary) - page 78
Bachelor of Economics / Bachelor of Education (Secondary) - page 78
Bachelor of Fine Arts / Bachelor of Education (Secondary) - page 78
Bachelor of Media Arts (Honours) / Bachelor of Education (Secondary) - page 78
Bachelor of Music / Bachelor of Education (Secondary) - page 79
Bachelor of Science / Bachelor of Education (Secondary) - page 79

Engineering

Bachelor of Engineering (Honours)

Program code 3707

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July* (February only for Mining Engineering)	Maths and Physics

The UNSW Bachelor of Engineering (Honours) is a four-year program which is offered in 20 engineering disciplines:

- Aerospace Engineering
- Bioinformatics Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical & Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Surveying
- Telecommunications
- Flexible (for students who wish to study engineering but choose to delay their choice of which branch of engineering to study until the end of year 1)

Program structure

- 168 UOC courses from stream +
- 12 UOC General Education courses +
- 12 UOC Electives*+
- 60 days Industrial Training

* Elective courses to be taken from Professional Elective List specified by individual stream

Dual Award Degree Programs

Bachelor of Engineering / Master of Engineering in Electrical Engineering - page 79
Bachelor of Engineering (Honours) / Master of Biomedical Engineering - page 79
Bachelor of Engineering (Honours) / Bachelor of Arts - page 80
Bachelor of Engineering (Honours) / Bachelor of Commerce - page 80
Bachelor of Engineering (Honours) / Bachelor of Science - page 80
Bachelor of Engineering (Honours) / Bachelor of Science (Computer Science) - page 80
Bachelor of Engineering (Honours) / Bachelor of Laws - page 82
Bachelor of Music / Bachelor of Engineering (Honours) - page 84
Bachelor of Science (Advanced) / Bachelor of Engineering (Honours) - page 85
Bachelor of Science (Advanced Mathematics) / Bachelor of Engineering (Honours) - page 86

Aerospace Engineering

Bachelor of Engineering (Honours) in Aerospace Engineering

Program structure

A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Engineering Mechanics, 2 first year electives.

YEAR 2
Design and Manufacturing, Electrical and Telecommunications Engineering, Engineering Mathematics, Engineering Design, Mechanics of Solids, Fluid Mechanics, Engineering Mechanics, Numerical Methods and Statistics

YEAR 3
Aerospace Design, Aerospace Structures, Aerodynamics, Flight Performance and Propulsion, Professional Engineering and Communication, Linear Systems and Control, Thermodynamics, general education course

YEAR 4
Aerospace Design Project, Thesis, Dynamics of Aerospace Vehicles, Professional electives, general education course

Career opportunities

Graduates find employment in the aerospace design and manufacturing industry including aerospace companies, airlines, defence forces and government regulators.

Bioinformatics Engineering

Bachelor of Engineering (Honours) in Bioinformatics Engineering

Program structure

A typical program sequence is shown below:

YEAR 1
Maths, Computing, Chemistry, Physics, Design and Innovation, Molecules Cells and Genes

YEAR 2
Discrete Maths, Theory of Statistics, Principles of Molecular Biology (Advanced), Software Construction, Engineering Design in Computing, Introduction to Bioinformatics, Software Engineering Workshop, 1 course in either Genetics, Biochemistry, Microbiology, or Cell Biology

YEAR 3
Bioinformatics Methods and Applications, Computational Bioinformatics, Molecular Biology of Nucleic Acids, Algorithms and Programming Techniques, Database Systems, general education courses, elective course

YEAR 4
Management and ethics, Thesis, Bioinformatics Engineering Design Project, elective courses.

Career opportunities

As a graduate, you can work with biotechnology and pharmaceutical companies, companies in the information and communications technology sector, public sector organisations, public and private research organisations.

*Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Chemical Engineering

Bachelor of Engineering (Honours) in Chemical Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, and one of the following pairs of courses: Engineering Materials and Chemistry plus Engineering Chemistry; Chemistry A plus Chemistry B, Higher Chemistry A plus Higher Chemistry B, electives

YEAR 2
Engineering Mathematics, Numerical Methods and Statistics, Material and Energy Systems, Fluid and Particle Mechanics, Heat and Mass Transfer, Industrial Chemistry for Chemical Engineers, Chemical Reaction Engineering, general education course

YEAR 3
Experimental Practice, Process Modelling and Analysis, Advanced Thermodynamics and Separation, Chemical Engineering Laboratory, Process Equipment Design, Process Plant Design, Process Dynamics and Control, general education course

YEAR 4
Environment and Sustainability, Process Design Project, Professional Electives, Thesis

Career opportunities
Chemical engineers design and operate large-scale chemical process equipment and factories safely, efficiently and in an environmentally responsible manner. They produce a diverse range of materials from fuels and circuit boards to processed foods, life saving pharmaceuticals and filtered clean water. They also develop alternative energy sources – alcohol and biofuels from crops and efficient ways to utilise solar energy.

Civil Engineering

Bachelor of Engineering (Honours) in Civil Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Engineering Mechanics, Electives including: Engineering Materials, Engineering Infrastructure Systems

YEAR 2
Mechanics of Solids, Engineering Mathematics, Principles of Water Engineering, Engineering Construction, Structural analysis and Modelling, Sustainable Transport & Highway Engineering, Engineering Computations for Civil Engineers, general education courses

YEAR 3
Applied Geotechnics and Engineering Geology, Water Resources Engineering, Engineering Operations and Control, Soil Mechanics, Steel Structures, Concrete Structures, Water Resources Engineering, Water and Wastewater Engineering, Civil Engineering Practice

YEAR 4
Honours Thesis, general education courses, Professional Electives

Career opportunities
Many civil engineers work in an office environment where they investigate, plan, design and manage projects; others manage and supervise construction projects on site. Employment can be found with specialist consulting firms, construction and contracting companies, large public companies, federal, state and local government organisations, airport and harbour authorities, project developers, financial and management consultants, and many more.

Computer Engineering

Bachelor of Engineering (Honours) in Computer Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Maths, Physics, Computing, Engineering Design, electives

YEAR 2
Mathematics, Microprocessors, Engineering Design in Computing, Digital Circuits and Systems, Electrical & Telecommunications Engineering, Physics, general education courses,

YEAR 3
Analogue Electronics, Operating Systems, Design Project, Computer Architecture, Electives, general education courses

YEAR 4
Design Project, Management and Ethics, Thesis, electives

Career opportunities
Computer engineering graduates are ideally suited to jobs involving the development of hardware software systems for communications, electronics or process control, and work in such diverse industries as telecommunications, power, defence, or gaming machines.

Electrical Engineering

Bachelor of Engineering (Honours) in Electrical Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Computing, Engineering Design, electives including: Electrical and Telecommunications Engineering, Computing 1B

YEAR 2
Mathematics, Computing 1B or Computing 2, Circuits and Signals, Digital Circuit Design, Electrical and Telecommunications Engineering, Analogue Electronics, general education courses

YEAR 3
Electromagnetic Engineering, Electronics, Digital Signal Processing, Electrical Energy, Control Systems, Electrical Engineering Design, Embedded Systems Design, general education courses

YEAR 4
Electrical Design Proficiency, Professional Electives, Strategic Leadership and Ethics, Thesis

Career opportunities
Potential employers include service industries such as Telstra, Optus and electricity authorities; large private industrial groups, such as Ericsson, Alstrom, BHP, Boeing Australia, Honeywell, Motorola, IBM and Alcatel; small innovative private firms specialising in the application of new technologies to new products and services, in a range of areas such as telecommunications and wireless electronics, internet services and biomedical instrumentation.

Dual Award Degree Programs
Bachelor of Engineering / Master of Engineering in Electrical Engineering - page 79

Environmental Engineering

Bachelor of Engineering (Honours) in Environmental Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Chemistry, electives including: Engineering Mechanics, Environmental Principles and Systems

YEAR 2
Ecology Sustainability and Environmental Science, Water and Atmospheric Chemistry, Material and Energy Balances, Transport Engineering & Environmental Sustainability, Principles of Water Engineering, Engineering Computations for Environmental Engineers, Engineering Mathematics

YEAR 3
Environmental Frameworks, Applied Geotechnics and Engineering Geology, Soil Mechanics, Water Resources Engineering, Solid Wastes and Contaminant, Engineering Operations and Control, Water and Wastewater Engineering, Environmental Engineering Practice

YEAR 4
Honours Thesis, general education courses, Sustainable Infrastructure and Professional Electives

Career opportunities
Some environmental engineers work in an office environment where they investigate, plan, design and manage projects. Others are involved in field studies working on site. Most manage to combine both office and field work in an exciting, challenging and rewarding career.

Geospatial Engineering

Bachelor of Engineering (Honours) in Geospatial Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Computing, Engineering Design, Surveying and GIS, electives

Year 2
Computing, Surveying Computations, Engineering Mathematics, Engineering Computations, Foundations of Geodesy and Geospatial Reference Frames, electives

Year 3
Surveying Field Project, Cadastral Surveying and Land Law, Geospatial Information Systems, Remote Sensing & Photogrammetry, Geodetic Positioning and Applications, Engineering Operations, electives

YEAR 4
Thesis, Design Practice, Geospatial Information Science, electives, general education

Career opportunities
You could work in land development and planning, cadastral surveying, hydrographic surveying, engineering and mining surveying, precise measurement and positioning, cartography, environmental monitoring and in a variety of geospatial IT industries.

Industrial Chemistry

Bachelor of Engineering (Honours) in Industrial Chemistry

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, one of the following: Chemistry A or Higher Chemistry A and Chemistry B or Higher Chemistry B or Engineering Materials and Chemistry, electives including: Sustainable Product Engineering and Design

YEAR 2
Engineering Mathematics, Numerical Methods and Statistics, Materials and Energy Systems, Fluid and Particle Mechanics, Chemical Reaction Engineering, Organic Chemistry, Instrumental Analysis, general education courses

YEAR 3
Polymer Science, Applied Industrial Chemistry, Organic Chemistry, Environmental Science and Technology, Inorganic Chemistry, Process Dynamics and Control, general education courses

YEAR 4
Process Design Project, Environment and Sustainability, Professional Elective, Thesis A and Thesis B

Career opportunities
As a graduate, you can work in the chemical and process industries as a research scientist, development chemist, technical representative or as a plant/company manager. Graduates may find employment with pharmaceutical, cosmetic or food industries; mineral processing plants; polymer, new materials, paper, fertiliser and wine making industries or major companies involved in pollution control.

Mechanical Engineering

Bachelor of Engineering (Honours) in Mechanical Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 and Year 2 courses on page 56

YEAR 3
Professional Engineering & Communication, Linear Systems and Control, Mechanics of Solids, Mechanical Design, Advanced Thermofluids, Thermodynamics, general education courses

YEAR 4
Mechanical Design 2, professional electives, Thesis

Career opportunities
Mechanical engineers are involved in a wide variety of essential industries. Graduates may find employment with major companies operating in diverse manufacturing industries such as car building; machine design and construction companies; consulting companies which provide specialised services such as stress analysis, noise and vibration analysis and building services design and power and water supply companies.

*Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Mechanical & Manufacturing Engineering

Bachelor of Engineering (Honours) in Mechanical and Manufacturing Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 and Year 2 courses on page 56

YEAR 3
Professional Engineering and Communication, Product and Manufacturing Design, Mechanical Design, Linear systems and Control, Process Technology and Automation, Thermodynamics

YEAR 4
Design and Analysis of Product-Process Systems, Engineering Management, Reliability and Maintenance Engineering, Process Modelling and Simulation, Thesis, Professional electives

Career opportunities
Graduates may find employment with companies involved in product design and development, manufacturing companies of all types, service providers such as banks or forwarding agencies, distribution companies, warehousing and logistics, consulting companies undertaking a variety of tasks such as the economic analysis of planning and implementation of strategies and technologies.

Mechatronic Engineering

Bachelor of Engineering (Honours) in Mechatronic Engineering

Program structure
A typical program sequence is shown below:
YEAR 1
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 courses on page 56

YEAR 2
Engineering Mathematics, Numerical Methods and Statistics, Engineering Design, Digital Circuit Design, Engineering Mechanics, Computing for Mechatronic Engineers, Design and Manufacturing, Electrical Circuits

YEAR 3
Professional Engineering and Communication, Linear Systems and Control, Robot Design, Computing Applications in Mechatronic Systems, Mechanics of Solids, Microprocessors and Interfacing, Modelling and Control of Mechatronic Systems, general education courses

YEAR 4
Advanced Autonomous Systems, general education course, Process Modelling and Simulation, Robotics, Thesis, professional electives

Career opportunities
Mechatronic engineers can find employment throughout the range of fields which are normally covered by mechanical, electrical and computer engineering. You may find employment with companies which design and manufacture consumer machines; companies which design, manufacture and install specialised industrial machines; companies whose primary interests relate to mechanical, electrical or computer engineering; and with consulting engineers dealing with complex project management across a range of engineering disciplines.

Mining Engineering

Bachelor of Engineering (Honours) in Mining Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Engineering Mechanics, electives including: Mineral Resources Engineering, Fundamentals of Geology, Engineering Materials and Chemistry

YEAR 2
Engineering Mathematics, Mining Project Development, Numerical Methods and Statistics, Mechanics of Solids, Introduction to Fluid Flow and Heat Transfer, Minerals and Processing, Mining Services, general education courses

YEAR 3
Resource Estimation and Evaluation, Mining Geomechanics, Mining Systems, Socio-Environmental Aspects of Mining, Mine Planning, Mine Ventilation, Rock Breakage, and one of the following: Minerals and Processing, Surface Mining Systems, Underground Mining Systems

YEAR 4
Hardrock Feasibility Project, Coal Feasibility Project, Mine Geotechnical Engineering, Mining Research Project 1, Mining Research Project 2, Mine Management, general education courses, and one of the following: Mining Systems, Underground Mining Systems, Advanced Geotechnical Engineering, Advanced Mine Ventilation, Mining Asset Management and Services, Mining in a Global Environment, Advanced Minerals Processing

Career opportunities
Mining Engineering offers a diverse graduate career path as a global profession that encompasses a wide range of activities involving technology, people, financial resources, community and government.

Mining engineers are in great demand both locally and internationally and have the opportunity to work in Australia and overseas. UNSW mining graduates are highly sought after by the mining industry, business consulting organisations, service supply companies and government.

Naval Architecture

Bachelor of Engineering (Honours) in Naval Architecture

Program structure
A typical program sequence is shown below:

YEAR 1
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 on page 56

YEAR 2
Engineering Mathematics, Engineering Design, Design and Manufacturing, Electrical and Telecommunications Engineering, Mechanics of Solids, Fluid Mechanics, Numerical Methods and Statistics, Professional Engineering and Communication, Thermodynamics

YEAR 3
Linear Systems and Control, Mechanics of Solids, Ship Structures, Hydrostatics and Practice, Ship Design and Propulsion, Ship Hydrodynamics, Ship Standards and Marine Engineering, Professional Engineering and Communication

YEAR 4
Ship Design Project, Thesis, professional electives, general education courses

Career opportunities
As a graduate, you can work in naval architecture firms and consultancy, government, and offshore engineering projects. Graduates may also find employment in sailing yacht design, ship classification societies and ship owner organisations.

Petroleum Engineering

Bachelor of Engineering (Honours) in Petroleum Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Engineering Materials and Chemistry suggested electives including: Fundamentals of Petroleum Geology, Introduction to the Petroleum Industry

YEAR 2
Fluid and Particle Mechanics, Fundamentals of Petroleum Geology, Introduction to the Petroleum Industry, Business Practices in the Petroleum Industry, Engineering Mathematics, Introduction to Petrophysics, Reservoir Engineering A, general education courses

YEAR 3
Reservoir Engineering B, Field Development Geology and Geophysics for Petroleum Engineering, Reservoir Characterisation and Simulation, Formation Evaluation, Petroleum Economics, Well Drilling Equipment and Operations, Design Project for Petroleum Engineers, professional elective

YEAR 4
Integrated Oil/Gas Field Evaluation (Thesis), Enhanced Oil and Gas Recovery, Natural Gas Engineering, Well Technology, Petroleum Production Engineering, general education courses, professional elective

Career opportunities
Petroleum engineers have a number of career choices. As a graduate, you can work in oil/gas companies or oil service companies in Australia and internationally. Work will be a combination of outdoors and office work if you choose this type of career. Working with computer-generated modelling of reservoirs is another type of career.

Photovoltaics and Solar Energy

Bachelor of Engineering (Honours) in Photovoltaics and Solar Energy

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, Electives including: Sustainable Energy, Electrical and Telecommunications Engineering

YEAR 2
Project in Photovoltaics and Solar Energy, Engineering Materials and Chemistry, Applied Photovoltaics, Numerical Methods and Statistics, Engineering Mathematics, Electronic Devices, Electrical and Telecommunications Engineering

YEAR 3
PV Technology and Manufacturing, Low Energy Buildings and Photovoltaics, Solar Cells, Sustainable and Renewable Energy Technologies, general education courses, strand electives

Years 2 and 3 Strand Options: Computing, Communications and Control, Electronics, Electrical Energy, Mathematics, Mechanical Engineering, Chemical Engineering, Architecture, Physics

YEAR 4
Grid Connected Photovoltaics, Strategic Leadership and Ethics, Thesis, professional electives, general education course, professional electives including: Energy Efficiency, Renewable Energy Policy, Life Cycle Assessment, Biomass, Wind Energy Converters, Photovoltaic Stand-Alone System Design and Installation, High Efficiency Silicon Solar Cells, Semi-Conductor Devices, Sustainable Energy in Developing Countries, Solar Thermal Design, Computational Fluid Dynamics, PV Materials Processing, strand elective

Career opportunities
Graduates may work globally in all aspects of photovoltaic and renewable energy engineering including: manufacturing, quality control and reliability, computer-aided design of devices and systems, research and education, system design and analysis, balance of system areas, fault diagnosis and modelling, marketing, policy formation and planning and programs in developing countries.

Renewable Energy Engineering

Bachelor of Engineering (Honours) in Renewable Energy Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, electives including: Sustainable Energy, Electrical and Telecommunications Engineering

YEAR 2
Thermodynamics, Numerical Methods and Statistics, Engineering Materials and Chemistry, Engineering Mathematics, Applied Photovoltaics, Electronic Devices, Fluid Mechanics, general education courses

YEAR 3
Advanced Thermofluids, Solar Thermal Energy Design, Energy Efficiency, Lower Energy Buildings and PV, Life Cycle Assessment, Biomass, Wind Energy Converters, professional electives

YEAR 4
Strategic Leadership and Ethics,Thesis, Renewable Energy Policy and International Programs, general education courses, professional electives including: Structures and Construction 2, Design for Energy Efficiency, Electromagnetic Engineering, Electrical Energy, Mathematics 2A, Advanced Thermodynamics, Computational Fluid Dynamics, Internal Combustion Engines 1, Photovoltaic Technology and Manufacture, Sustainable and Renewable Energy Technologies, Solar Cells and Systems, Grid-Connect Photovoltaic Systems, Semiconductor Devices, Photovoltaic Stand-Alone Systems, Sustainable Energy in Developing Countries, PV Materials Processing, High Efficiency Silicon Solar Cells

Career opportunities
Graduates may work globally in all aspects of photovoltaic and renewable energy engineering including: manufacturing, quality control and reliability, computer-aided design of devices and systems, research and education, system design and analysis, balance of system areas, fault diagnosis and modelling, marketing, policy formation and planning and programs in developing countries.

*Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Software Engineering

Bachelor of Engineering (Honours) in Software Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Discrete Mathematics, Engineering Design, Software Engineering Workshop, Computing, Mathematics, electives

YEAR 2
System Modelling and Design, Microprocessors and Interfacing, Engineering Design in Computing, Software Construction, Software Engineering Workshops, Finite Mathematics, Probability, Statistics and Information

YEAR 3
Software System Design and Implementation, Software Engineering Workshops, Computer Networks, Database Systems, Software Engineering electives, general education courses

YEAR 4
Thesis, Management and Ethics, Software Engineering electives, general education courses

Career opportunities
Graduates have strengths in design techniques and experience in software design and development, which equips them for a wide range of careers. Employment may involve the business sector, which utilises their knowledge and abilities in designing advanced information systems; building technical systems for the medical, power and transport industries; the burgeoning telecommunications area, exploiting, or even developing new network technologies.

Surveying

Bachelor of Engineering (Honours) in Surveying

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Computing for Engineers, Engineering Design, Surveying and Geospatial Engineering, 2 Year 1 electives

YEAR 2
Surveying and Geospatial Technology, Surveying Computations, Engineering Computations, Engineering Mathematics, Foundations of Geodesy and Geospatial Reference Frames, Principles of Water Engineering, Sustainable Transport and Highway Engineering

YEAR 3
Water Resources Engineering, Surveying Applications and Design, Cadastral Surveying and Land Law, Geospatial Information Systems, Surveying Field Projects, Geodetic Positioning and Applications, Remote Sensing and Photogrammetry

YEAR 4
Thesis, Design Practice, Professional Electives, general education courses

Career opportunities
You could work in land development and planning, cadastral surveying, hydrographic surveying, engineering and mining surveying, precise measurement and positioning, cartography, environmental monitoring and in a variety of geospatial IT industries.

Telecommunications Engineering

Bachelor of Engineering (Honours) in Telecommunications Engineering

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Computing, Engineering Design, electives including: Electrical and Telecommunications Engineering, Computing 1B

YEAR 2
Mathematics, Computing, Electrical Engineering and Telecommunications Engineering, Circuits and Signals, Digital Circuit Design, Analogue Electronics, general education courses

YEAR 3
Electromagnetic Engineering, Electronics, Digital Signal Processing, Analogue and Digital Communications, Control Systems, Telecommunications Engineering Design, Embedded Systems Design, general education course

YEAR 4
Telecommunications Design Proficiency, Strategic Leadership and Ethics, Network Technologies, Trusted Networks, level 4 electives, Thesis

Career opportunities
The demand for graduates of telecommunications is rapidly increasing as the technology advances and broadens its scope. Potential employers include major telecommunications service providers; large private industrial groups such as JDS, Uniphase and Alcatel; smaller service and technology providers, all highly specialised and technologically sophisticated.

Flexible First Year stream

The Bachelor of Engineering (Honours) program includes a Flexible First Year stream. This stream is designed for those students who wish to study engineering but choose to delay their choice of which branch of engineering to study until the end of Year 1. The first year of engineering study has a common core of courses, plus a wide choice of electives which allows you to study a number of areas that appeal to you without making a formal commitment until the end of your first year. This is ideal for students who know they want to be an engineer, but are unsure which direction to take.

See also
Bachelor of Science and Bachelor of Science (Advanced) in various majors - page 72 – 74
Bachelor of Science (Computer Science) - page 53

*Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Bachelor of Engineering (Civil Engineering with Architecture)
Program code 3635

Faculty Engineering	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$37,440
Minimum years 4 years	**Entry** February	**Assumed knowledge** Maths, Physics

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Enabling Skills, Engineering Mechanics, Engineering Design, Architectural History and Theory, Elective

YEAR 2
Architectural Design Studio 1, Architectural Communication, Engineering Computations, Engineering Construction, Architectural Design Studio 2, Mechanics of Solids, Structural Analysis and Modelling, Engineering Mathematics

YEAR 3
Soil Mechanics, Principles of Water Engineering, Engineering Operations, Applied Geotechnics and Engineering Geology, Steel Structures, Concrete Structures, Water and Wastewater Engineering, Elective in Built Environment

YEAR 4
Architectural Design Studio 3, Thesis, Design Practice, Water Resources Engineering, Electives in Engineering and Built Environment

Environmental Management

Bachelor of Environmental Management
Program code 3965

Faculty Science	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$37,440
Minimum years 3 years	**Entry** February and July	**Assumed knowledge** Maths and Chemistry

Program structure

STAGE 1
Ecology and sustainability, Elements of Environmental Economics, Environmental Earth Science, Environ Systems & Processes, Stats for Life & Social Sciences or Mathematics 1A.

Recommended Electives:
Evolutionary & Functional Biology, Chemistry A, Higher Chemistry A: Atoms, Molecules, and Energy Chemistry B: Elements, Compounds and Life or Higher Chemistry B: Elements, Compounds and Life, Key Concepts in Human Geography

STAGE 2
Environmental Policy and Law, Managing People, and ONE of: Data Analysis, Life & Earth or Theory of Statistics, PLUS at least one of Remote Sensing Applications or GIS.

STAGE 3
Biodiversity & Conservation of Natural Resources, Environmental Impact Assessment

See also
Bachelor of Arts - page 50
Bachelor of Engineering (Honours) in Environmental Engineering - page 58
Bachelor of Engineering (Honours) in Photovoltaics and Solar Energy - page 60
Bachelor of Landscape Architecture - page 49
Bachelor of Planning - page 70
Bachelor of Science with major in Biology, Ecology, Earth Science, Geography, or Marine Science - page 72
Bachelor of Science (Advanced) with major in Biological Science, Climate Dynamics, Climate Systems Science, Earth Science, Ecology, Geochemistry, Human Geography, Marine and Coastal Science - page 73

Dual Award Degree Programs
Bachelor of Environmental Management / Bachelor of Arts - page 81

Fine Arts

Bachelor of Fine Arts (Honours)
Program code 4814

Faculty Art & Design	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$29,040
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** None

Program structure
In your first year, you will complete a foundation year made up of Art & Design Gateway courses that provide students with practical and conceptual fine arts skills. Fine Arts, Media Arts and Design students work alongside each other, encouraging multidisciplinary engagement and allowing you to gain skills and ways of thinking that are applicable to a wide range of studio practices. Fine Arts students also undertake Fine Arts Gateway foundation courses as well as elective courses. Within the Fine Arts Gateway courses, students will get a taste of the different studio streams.

In second and third year you will choose a fine arts studio stream from Painting, Photography, Printmaking, Sculpture/Performance/Installation, Cross-Media Arts or Textiles. You will also need to choose either a second studio stream in the same Fine Arts studio area, or another studio stream in Fine Arts, Media Arts or Design (see below).*

The fourth year is an Honours year. You will undertake a major self-initiated project and also participate in professional experience projects that will support and enable effective national and international engagement as a contemporary artist.

Upon completion of the BFA Hons program, students demonstrate a high degree of understanding, critical awareness and independent judgment while combining practical and critical skills in preparation for a final exhibition.

FINE ARTS STUDIOS*
- Painting
- Drawing
- Photography
- Printmaking
- Sculpture / Performance / Installation

MEDIA ARTS STUDIOS*
Video, Sound and Image - Animation and Visual Effects - Interactive Media

DESIGN STUDIOS
Graphics Media - Spatial Design - Jewellery - Textiles - Object Design - Ceramics

Career opportunities
UNSW Art & Design's BFA equips students with transferable skills and insights, so that graduates find employment across the creative and cultural industries including:
- Advertising, Art Direction and Communication
- Arts And Cultural Administration and Policy Making

continued on next page

- Arts Education and Training
- Commercial and News Photography
- Curating and Program Management in Festivals, Museums, Galleries and Public Spaces
- Arts Writing, Publishing and Criticism
- Exhibition Planning, Design and Installation
- Entertainment, Media and Technology Industries
- Theatre, Film and Television Production
- Urban Planning, Site Activation and Public Art
- Practising artist in your field of expertise

Dual Award Degree Programs

Bachelor of Fine Arts / Bachelor of Arts - page 81
Bachelor of Commerce / Bachelor of Fine Arts - page 76
Bachelor of Fine Arts / Bachelor of Education (Secondary) - page 78
Bachelor of Fine Arts / Bachelor of Laws - page 82
Bachelor of Science / Bachelor of Fine Arts - page 85
Bachelor of Science (Advanced) / Bachelor of Fine Arts - page 86

Food Science and Technology

Bachelor of Food Science (Honours)
Program code 3061

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July	Maths and Chemistry

Program structure
168 UOC stream + 12 UOC GenEd + 12 UOC electives (Foundational Disciplinary or Disciplinary Knowledge Courses)*
* Courses to be taken from Professional Elective List specified by individual stream.
The four-year program is offered in 2 specialisations (streams):
- Food Science and Technology FOODJH
- Food Science and Nutrition FOODKH

YEAR 1
Molecules, Cells and Genes, Introduction to Food Science, Sustainable Food Product Manufacturing, Mathematic, Statistics, Physics, Chemistry

YEAR 2
Biochemistry, Molecular Biology, Microbiology, Food Chemistry, Food Processing Principles (FST), Physiology (FSN), Food Microbiology, Instrumental Analysis, General Education course (FST)

YEAR 3
Food Preservation, Food Science and Technology Laboratory, Food Safety and Quality Assurance, Nutrition, Unit Operations in Food Processing (FST), Product Design and Development Advanced Nutrition (FSN), Food Toxicology, General Education

YEAR 4
Thesis, Advanced Food Chemistry, Industry Liaison (Field Trip), Electives, General Education (FSN)

FST - Food Science and Technology
FSN - Food Science and Nutrition

Information Systems

Bachelor of Information Systems
Program code 3979

Faculty	Units of credit (per year/total)	Estimated first year tuition
Business School	48/144	A$36,000
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	Maths

Program structure
Depth Component:
4 compulsory core courses
12 information systems core courses

Breadth Component:
2 information systems electives
4 electives
2 general education courses

Professional recognition
This program has been accredited by the Australian Computer Society for provisional membership at the professional level.

See also
Bachelor of Commerce with major in Information Systems - page 52
Bachelor of Commerce/Bachelor of Information Systems - page 76

International Studies and Languages

Bachelor of International Studies
Program code 3424

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/192	A$30,480
Minimum years	**Entry**	**Assumed knowledge**
4 years	February	None

Program structure
In the Bachelor of International Studies you will examine global and regional change and explore key developments in international relations, economics and globalistion. In this degree you will study three core courses and choose one major stream (nine courses) in:
- Asian Studies
- Development Studies
- European Studies
- International Business
- International Relations, or
- Language Studies.

You will also select a language stream of four core courses. Language options may include Chinese, French, German, Greek*, Indonesian*, Italian*, Japanese, Korean and Spanish. Your degree includes one year spent on exchange at one of 200+ UNSW partner universities. Remaining electives may be chosen from Arts and Social Sciences and other UNSW faculties.
**minor only*

continued on next page

Career opportunities
International Studies graduates are prepared for careers in the global market. They are found working worldwide in areas including: business, government agencies (Such as the Department of Foreign Affairs and Trade), investment banks, and other financial institutions, non-government organisations, the United Nations, journalism and media, tourism and trade, and diplomacy.

Dual Award Degree Programs

Bachelor of International Studies / Bachelor of Laws - page 82
Bachelor of International Studies / Bachelor of Media (Communication and Journalism) - page 81
Bachelor of International Studies / Bachelor of Media (Public Relations and Advertising) - page 81
Bachelor of International Studies / Bachelor of Media (Screen and Sound Production)) - page 81

Concurrent diploma program

Diploma in Language Studies
Program code 3417

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48	A$29,040 (based on studies starting in current and over three years of concurrent studies)
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July, depending on proficiency	None

This Diploma enables students from any faculty to undertake the study of a language concurrently with their main degree. You study a major sequence in a language to obtain the diploma. Languages available are: Chinese, French, German, Japanese, Korean and Spanish. If you opt to take the Diploma with your main degree you should be aware that to complete your studies there will be additional fees.

Note: This program is only available to international students as a concurrent program and must be completed within the same overall time period as the undergraduate degree program. The Diploma in Language Studies cannot be used for the purpose of obtaining a student visa by international students.

See also
Bachelor of Arts with majors in modern languages - page 50

Law

Program structure
The law component of a typical five-year dual award degree program is set out below. For further details refer to the UNSW Online Handbook or visit law.unsw.edu.au/ugprograms.

YEAR 1
6 non-law courses, Introducing Law and Justice, Torts

YEAR 2
4 non-law courses, Principles of Public Law, Crime and the Criminal Process, Principles of Private Law and Criminal Laws

YEAR 3
4 non-law courses, Contracts, Equity and Trusts, Admin Law and Lawyers, Ethics and Justice

YEAR 4
2 non-law courses, Land Law, Resolving Civil Disputes, Business Associations, Court Process, Evidence and Proof, Federal Constitutional Law and Law in the Global Context.

YEAR 5
Prescribed law elective and seven law electives.

Career opportunities
Many solicitors act as general practitioners of law, but more and more are specialising in particular areas of the law (for example, commercial law, criminal law or industrial law).

Many private and public sector institutions now employ their own lawyers, and extensive opportunities exist within regulatory and law enforcement agencies as well as the various branches of government.

Professional recognition
You should check with the legal education authority in your home country regarding recognition of UNSW law degrees for registration purposes. To become admitted as a legal practitioner in New South Wales (NSW), you will also need to satisfy the requirements of the NSW Legal Profession Admission Board (www.lpab.justice.nsw.gov.au). Certificates to practise as a barrister or solicitor are granted by the NSW Bar Association and the Law Society respectively.

Note: You should be aware that the summer clerkship positions offered to students in their second last year of study are generally only made available to citizens and permanent residents of Australia.

Dual Award Degree Programs

Bachelor of Actuarial Studies / Bachelor of Laws - page 82
Bachelor of Arts / Bachelor of Laws - page 82
Bachelor of Art Theory / Bachelor of Laws - page 82
Bachelor of Arts & Business / Bachelor of Laws - page 82
Bachelor of Commerce / Bachelor of Laws - page 82
Bachelor of Criminology and Criminal Justice / Bachelor of Laws - page 82
Bachelor of Economics / Bachelor of Laws - page 82
Bachelor of Engineering (Honours) / Bachelor of Laws - page 82
Bachelor of Fine Arts / Bachelor of Laws - page 82
Bachelor of International Studies / Bachelor of Laws - page 82
Bachelor of Media (Communication & Journalism) / Bachelor of Laws - page 83
Bachelor of Media (PR & Advertising) / Bachelor of Laws - page 83
Bachelor of Media (Screen & Sound Production) / Bachelor of Laws - page 83
Bachelor of Medicinal Chemistry / Bachelor of Laws - page 83
Bachelor of Music / Bachelor of Laws - page 83
Bachelor of Planning / Bachelor of Laws - page 83
Bachelor of Science / Bachelor of Laws - page 83
Bachelor of Science (Advanced) / Bachelor of Laws - page 83
Bachelor of Science (Advanced Mathematics) / Bachelor of Laws - page 83
Bachelor of Science (Computer Science) / Bachelor of Laws - page 83
Bachelor of Science & Business / Bachelor of Laws - page 83
Bachelor of Social Research and Policy / Bachelor of Laws - page 84
Bachelor of Social Work (Honours) / Bachelor of Laws - page 84

*Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Life Sciences

Bachelor of Life Sciences Program code 3966	**Faculty** Science	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$37,440
	Minimum years 3 years	**Entry** February and July	**Assumed knowledge** Mathematics, plus one of Biology, Chemistry, Earth and Environmental Science (depending on chosen area of study)

The Bachelor of Life Sciences will satisfy your innate curiosity about life, from the way things work at the molecular level, to the study of entire ecosystems. Life Science underpins health and environmental science. Discoveries in the life sciences are integral to the advancement of our world and society.

As a graduate, you will leave equipped to enter a wide range of interesting and rewarding careers, both in and beyond the sphere of the life sciences. Besides the many employment opportunities, the degree is a useful pathway to postgraduate study, especially in health and medical fields.

The Bachelor of Life Sciences allows you to undertake a wide range of complementary studies. You can also use your studies as a transfer into almost any other degree. Those students who excel in life sciences can undertake an Honours research year in a related field after completing their degree.

Major discipline areas include: Anatomy, Biological Chemistry, Biology, Biotechnology, Ecology, Genetics, Marine Science, Microbiology, Molecular and Cell Biology, Pathology, Pharmacology, Physiology, Psychology

The availability of majors may be subject to periodical review. Please visit the Faculty of Science website for updates: science.unsw.edu.au

Materials Science

Bachelor of Engineering (Materials Science and Engineering) Program code 3135	**Faculty** Science	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$37,440
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths, Physics and Chemistry

Program structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Computing for Engineers, Engineering Design, Physics, Design and Application of Materials

YEAR 2
Diffusion and Kinetics, Engineering Mathematics, Fluid Flow and Heat Transfer, Materials Characterisation, Physical Properties of Materials, Thermodynamics and Phase Equilibria, Mechanical Behaviour of Materials, Sustainable Materials Processing

YEAR 3
Numerical Methods and Statistics, Mechanical Behaviour in Metals, Fundamentals of Ceramic Processes, Design and Application of Materials Science and Engineering, Materials Industry Management, Polymer Science and Engineering, Professional Electives, general education courses

YEAR 4
Materials Engineering Project, professional electives, general education courses

Sample list of professional electives: Engineering in Metallurgy, Phase Transformations, Secondary Processing of Metals, Design and Advanced Ceramics, Process Metallurgy Advanced, Fracture Mechanics and Failure, Composites and Functional Materials, Polymer Science and Engineering, Engineered Surfaces

Career opportunities
As a materials science and engineering graduate, you can find employment with primary production industries, research and development in industrial laboratories or research institutions, consultants, the materials producing industries, utilities (such as power generators, railways and airlines) or the manufacturing sector.

Professional recognition
This degree is accredited by Engineers Australia.

Dual Award Degree Programs

Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Engineering (Chemical Engineering) - page 81
Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Commerce - page 81
Bachelor of Engineering (Materials Science and Engineering) / Master of Biomedical Engineering - page 79

Media Arts

Bachelor of Media Arts (Honours) Program code 4816	**Faculty** Art & Design	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$29,040
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** None

Program structure
In the first year, you will undertake a foundation year made up of Art & Design Gateway courses. Media Arts, Fine Arts and Design students work alongside each other, encouraging multidisciplinary engagement, which provides you with the foundational skills and ways of thinking that are applicable to a wide range of creative studio practices. As a Media Arts student you will focus on studio areas appropriate to the degree in the media arts Gateway and the prescribed elective courses.

In your second and third year of study, you will choose a Media Arts studio stream from animation, visual effects, video sound imaging or cross media arts. You will also need to choose either a second studio stream in the same Media Arts studio area, or another studio stream in Media Arts, Fine Arts or Design (see below).*

The fourth year is an Honours year where you will undertake a major self-initiated project. You will also participate in an industry-based internship where you obtain professional work experience.
MEDIA ARTS STUDIOS*
- Video, Sound and Image
- Animation and Visual Effects
- Interactive Media

continued on next page

DESIGN STUDIOS*
Graphics Media - Spatial Design - Textiles - Jewellery - Object Design - Ceramics

FINE ARTS STUDIOS*
Painting - Drawing – Photography – Printmaking - Sculpture / Performance / Installation

Career opportunities
The Bachelor of Media Arts (Honours) produces creative content developers with sound technical and problem solving skills and the ability to work creatively and collaboratively across a diverse and wide range of disciplines in the creative media world. As a graduate, you will be a lead player in the cultural, digital, entertainment, creative media and technology industries with strengths in creative design and technical innovation.

Our Graduates find employment in areas including:
- Animation Design and Production
- Digital Publishing and Communications
- Video, Online and Mobile Media
- Interaction, User-Experience and Environments
- Game Development and Production
- Digital Strategy
- Film, Television, Online and Mobile Production
- Multiplatform Media Development and Production
- Production Management and Development
- Sound Design, Composition and Production
- Scientific Imaging and Visualization
- Media Strategy and Planning
- Entrepreneurship, Innovation and Digital Media Startups

Dual Award Degree Programs

Bachelor of Media Arts (Honours) / Bachelor of Science (Computer Science) - page 84
Bachelor of Media Arts (Honours) / Bachelor of Education (Secondary) - page 78

Media and Communication

Bachelor of Media (Communication and Journalism) Program code 3429	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$29,040
	Minimum years 3 years	**Entry** February and July	**Assumed knowledge** None

Program structure
The Bachelor of Media (Communication and Journalism) merges theory with opportunities to gain valuable practical experience through industry internships. In addition to fundamental courses in media theory and practice you can also choose specialist elective courses in public relations, writing for digital media, digital media production and marketing.

YEAR 1
Media, Culture and Everyday Life; Media Industry Contexts; Media, Society, Politics; News Reporting; communication and journalism elective; electives

YEAR 2
Publics and Publishing; Advanced Media Writing; Analysing Media Communication; communication and journalism elective; media elective; electives

YEAR 3
Advanced Media Issues; Multiplatform Journalism; Social Innovation and Engagement; Media Portfolio; communication and journalism electives; electives

Career opportunities
The Bachelor of Media (Communication and Journalism) prepares you for a career in journalism and professional communications across a range of contemporary platforms. Graduates have the skills to pursue a career in corporate organisational and public sector communication.

Career options include: Journalism (online, print, broadcast), corporate communications, media account management, internal communications, corporate affairs, media relations and social media.

Dual Award Degree Programs

Bachelor of International Studies / Bachelor of Media (Communication and Journalism) - page 81
Bachelor of Music / Bachelor of Media (Communication and Journalism) - page 84
Bachelor of Media (Communication and Journalism) / Bachelor of Laws - page 83

See also

Bachelor of Arts major in Media, Culture and Technology - page 50

Bachelor of Media (Public Relations and Advertising) Program code 3434	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/144	**Estimated first year tuition** A$29,040
	Minimum years 3 years	**Entry** February and July	**Assumed knowledge** None

Program structure
The Bachelor of Media (Public Relations and Advertising) merges theory with opportunities to gain valuable practical experience through industry internships, developing a portfolio and production courses within the degree. You also have the opportunity to complete free electives from Arts and Social Sciences and other faculties.

YEAR 1
Media, Culture and Everyday Life; Media Industry Contexts; Media, Society, Politics; Public Relations Practices; Public Relations and Advertising elective; electives

YEAR 2
Publics and Publishing; Communication Strategies; media elective; Advertising: The Creative Dimensions; Public Relations and Advertising elective; electives

YEAR 3
Advanced Media Issues; Public Relations Discourse and Change; Public Relations and advertising electives; Social Innovation and Engagement; Portfolio Project; electives

Career opportunities
Bachelor of Media (Public Relations and Advertising) graduates have advanced skills and knowledge in professional work relevant to public relations, media relations and organisational communication.

Career options include: Public relations, advertising and account management, advertising creative services, corporate affairs, media relations, social media, and communications.

Dual Award Degree Programs

Bachelor of Commerce / Bachelor of Media (Public Relations and Advertising) - page 76
Bachelor of Design (Honours) / Bachelor of Media (Public Relations and Advertising) - page 77
Bachelor of International Studies / Bachelor of Media (Public Relations and Advertising) - page 81
Bachelor of Music / Bachelor of Media (Public Relations and Advertising) - page 84

See also

Bachelor of Arts major in Media, Culture and Technology - page 50

Bachelor of Media (Screen and Sound Production)

Program code 3438

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/144	A$29,040
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	None

Program structure

In the Bachelor of Media (Screen & Sound Production) you will develop conceptual and practical production skills. You have opportunities to gain practical experience through industry internships, developing a portfolio, and production courses within the degree. You also have the opportunity to complete free electives from Arts and Social Sciences and other faculties.

YEAR 1

Introduction to Film Studies, Media Culture & Everyday Life, Time Space and Experience, Mediated Storytelling, Creative Sound Technologies, elective

YEAR 2

Media electives, Screen & Sound Production electives, Film Studies electives, free elective, Arts & Social Sciences Elective

YEAR 3

Film elective, Media electives, Screen & Sound Elective, free elective

Career opportunities

The Bachelor of Media in Screen & Sound Production develops practical, creative and conceptual skills in screen and sound-based media with a sophisticated understanding of the theoretical and industry environments of contemporary film and media. Your knowledge and professional skills will prepare you for careers in a wide range of media and communication, audio-visual, music, film and media industries.

Dual Award Degree Programs

Bachelor of International Studies / Bachelor of Media (Screen and Sound Production) - page 81

Bachelor of Music / Bachelor of Media (Screen and Sound Production)) - page 84

See also

Bachelor of Arts major in Media, Culture and Technology – pages 50

Medicine

Bachelor of Medical Studies/ Doctor of Medicine

Program code 3805

Faculty	Units of credit (per year/total)	Estimated first year tuition
Medicine	48/288	A$59,520
Minimum years	**Entry**	**Assumed knowledge**
6 years	February	Chemistry and English

Program structure

The medicine program has a modular structure comprising of a series of fully integrated courses studied over 26 teaching periods, generally each of eight weeks duration. There are four teaching periods in Years 1– 4 approximating the University semester timetable. There is an additional teaching period (summer semester) in years 5 and 6. In most years, the standard UNSW program load of 48 UOC per year will apply.

As part of the program, you are required to satisfy the University's general education requirements. The program is organised into two degrees:

BACHELOR OF MEDICAL STUDIES (BMed)

The BMed includes Phase 1 and Phase 2. Phase 1 commences with the foundations course, followed by seven eight-week courses focusing on basic medical sciences in relation to the human life cycle; social, ethical and legal issues related to health care; and early experience in clinical or other health-related environments. During this phase, you will undertake a variety of learning activities involving students from different stages of the program working collaboratively in small groups.

Phase 2 consists of two 16-week courses, with increased clinical content and an emphasis on correlation between prior and current learning.

DOCTOR OF MEDICINE (MD)

The MD includes the independent learning project (ILP), followed by a clinical transition course prior to the Phase 3 courses. During the independent learning project students should also complete 12 UOC of general education courses in a faculty or faculties other than Medicine.

Phase 3 consists of 10 eight-week courses with a clinical focus, but still includes relevant content from the basic medical sciences and the social sciences. You are required to complete a course in the disciplines of internal medicine, surgery, psychiatry, primary care, obstetrics and gynaecology and children's health (paediatrics). You may choose from a range of other available clinical modules to complete Phase 3 requirements. All clinical courses in Phase 3 adopt the principles of clinical clerkship, in which you learn through experience and participation in the treatment of patients under the care of medical practitioners and/or medical teams to which you are attached.

In all phases of the program, you will be required to travel to various clinical environments associated with UNSW, which will be the predominant locations for learning in Phases 2 and 3. These locations include clinical schools associated with St Vincent's Hospital, Darlinghurst; St George Hospital, Kogarah; Sutherland Hospital; the Randwick Campus Hospitals; various locations in the South Western Sydney Clinical School based around Liverpool. Throughout the program, you may be attached to multiple sites.

Students wishing to undertake a full year of research may be able to enrol in the BSc (Med) Honours program (3831) subject to the approval from the Honours Committee. These students will be exempt from undertaking the independent learning project. Exemption from the independent learning project will also be granted to students who have previously completed a research honours program or higher research degree, or a Master degree.

PHASE 1

Foundation, Beginnings, Growth and Development A, Beginnings, Growth and Development B, Health Maintenance A, Health Maintenance B, Ageing and Endings A, Ageing and Endings B, Society and Health
AND
Phase 1 Portfolio Examination, Phase 1 Written Examination, Phase 1 Clinical Skills Examination

PHASE 2

Integrated Clinical Studies A, Integrated Clinical Studies B
AND
Phase 2 Integrated Clinical Examination, Phase 2 Portfolio Examination

Independent Learning Project

Independent Learning Project 1, Independent Learning Project 2, Clinical Transition

PHASE 3

Medicine, Surgery, Psychiatry, Primary Care, Obstetrics and Gynaecology, Children's Health (Paediatrics), Elective, Emergency, Selective and Print
AND
Phase 3 Portfolio Examination, Phase 3 Biomedical Sciences Viva Examination, Phase 3 Integrated Clinical Examination

Professional recognition

After completing formal program requirements for the award of the BMed MD degrees, you will be provisionally registered by the Medical Board of Australia to work for at least one year in selected hospitals before obtaining final registration as a medical practitioner. International graduates are not guaranteed an internship and should check with state health departments to confirm internship availability. Although the UNSW Medicine degree is recognised internationally, many countries require foreign graduates to sit a licensing examination to ensure the doctor understands the local health problems and health care systems prior to practicing.

Application Process for UNSW Medicine—Bachelor of Medical Studies/Doctor of Medicine for International Students (does NOT apply to Medical Science program)

	Details	Closing Date	Australian or New Zealand HSC or International Baccalaureate	All other students
Step 1	University Application Form – apply through Universities Admissions Centre www.uac.edu.au	30 Sep	●	
OR	All other applicants – apply through UNSW Admissions apply.unsw.edu.au	30 Nov (1)		●
Step 2	International Student Admission Test – apply and sit ISAT www.isat.acer.edu.au	30 Nov (2) check ISAT website to confirm 2015 dates	●	●
Step 3	Medicine Application Form – complete online at med.unsw.edu.au	30 Nov (2)	●	●
Step 4	Selected students will be offered a Skype or telephone interview		●	●
Step 5	Offer of a place – Offers will be made once academic, ISAT and interview results are all available		●	●

(1) Applicants should apply earlier if possible, as places may fill prior to the closing date.
(2) 30 November, 2015 – last day to lodge application for International Students Admission Test (ISAT) with ACER (earlier application is recommended).
ISAT tests are held from March until November, 2015. However, not all test centres may be available for a test if application is made close to the closing date, so earlier application is recommended.

Bachelor of Exercise Physiology

Program code 3871

Faculty	Units of credit (per year/total)	Estimated first year tuition
Medicine	48/192	A$37,710
Minimum years	**Entry**	**Assumed knowledge**
4 years	February	Maths and Chemistry

Program structure

YEAR 1

Foundation science courses and introduction to the profession. Introductory Exercise Science, Chemistry, Molecules, Cells and Genes, Anatomy, Psychology, Statistics, Exercise Programs and Behaviour

YEAR 2

Comprehensive foundation in biomedical sciences plus exercise science courses. Biochemistry, Human Physiology, Exercise Physiology, Functional Anatomy, Biomechanics, Movement Assessment and Instruction, Processes in Disease

YEAR 3

Greater depth in medical science courses and profession specific courses. Physical Activity and Health, Clinical Exercise Physiology, Pharmacology in Exercise, Muscle and Motor Control, Movement Rehabilitation, Neuromuscular Rehabilitation, electives, general education courses

YEAR 4

Courses emphasise the consolidation of clinical skills and knowledge, and skills for independent learning. Major Clinical Practicum, research seminars, research project, electives, general education courses.

Year 3 and 4 electives include: Advanced Exercise Physiology, Physical Activity in Special Populations, Health Promotion, Health Psychology, Nutrition, Advanced Nutrition, Experimental Biomechanics, Neuroanatomy, Visceral Anatomy, Human Biochemistry, Musculoskeletal Diseases, Cardiovascular Physiology, Endocrine Physiology, Neurophysiology, Clinical Pharmacology, Maths, Physics, Cancer Sciences for Exercise Physiology.

Clinical training commences from Year 1 and is primarily supported by the UNSW Lifestyle Clinic. Placements in Year 4 are completed within the UNSW lifestyle clinic and clinical schools in hospitals, as well as other hospitals and private practices.

Career opportunities

Exercise physiologists are employed in rehabilitation clinics and hospitals working in post-acute rehabilitation, aged care, sports medicine clinics, corporate health and private practice for rehabilitation/exercise prescription for people requiring specialist guidance (for example workplace rehabilitation departments). The degree also provides excellent preparation to apply for graduate degrees in nutrition, physiotherapy and other allied-health professions, or research higher degrees (Masters or PhD).

Professional recognition

The Bachelor of Exercise Physiology is accredited by Exercise and Sports Science Australia (ESSA). Graduates are eligible to become members of the professional body, Exercise and Sports Science Australia, and accredited exercise physiologists.

See also

Bachelor of Science with majors in anatomy, biochemistry and molecular biology, chemistry, genetics and molecular genetics, microbiology, pathology, physics, physiology and pharmacology - page 72

Bachelor of Science (Advanced) - page 73

Medical Science

Bachelor of Medical Science Program code 3991	Faculty Science	Units of credit (per year/total) 48/144	Estimated first year tuition A$37,440
	Minimum years 3 years	Entry February	Assumed knowledge Maths and Chemistry

Program structure

YEAR 1
Evoluntionary and Functional Biology or Genetics or Molecular Cell Biology; Molecules Cells and Genes, Chemistry, Anatomy, Perspectives in Medical Science, Statistics for Life and Social Sciences, electives

YEAR 2
Histology, Processes in Disease, Physiology, Microbiology, Principles of Biochemistry, Principles of Molecular Biology, Pharmacology

YEAR 3
Courses taken from disciplines including: anatomy, biochemistry, genetics, microbiology and immunology, pathology, physiology, pharmacology, neuroscience, general education courses

Career opportunities
The Bachelor of Medical Science is an excellent starting point for postgraduate study in medicine and paramedical fields, or a career in biomedical science, health policy and management, medical journalism or a variety of positions in pharmaceutical and other industries related to the medical field.

Medicinal Chemistry

Bachelor of Medicinal Chemistry Program code 3992	Faculty Science	Units of credit (per year/total) 48/192	Estimated first year tuition A$37,440
	Minimum years 4 years	Entry February	Assumed knowledge Maths and Chemistry

Program structure

YEAR 1
Molecules, Cells and Genes, Chemistry, Mathematics, Introductory Medicinal Chemistry, Introductory Biotechnology, electives

YEAR 2
Principles of Biochemistry (Advanced), Physical Chemistry: Molecules and Change, Analytical Chemistry: Essential Methods, Principles of Molecular Biology (Advanced), Organic Chemistry: Mechanisms and Biomolecules, Introductory Pharmacology, electives

YEAR 3
Organic Chemistry: Strategies for Synthesis, Molecular Pharmacology, Analytical Chemistry: Frontier Techniques, Medicinal Organic Chemistry, Rational Drug Design, electives

YEAR 4
Honours program in medicinal chemistry

Career opportunities
Medicinal chemistry graduates are in demand for employment in the pharmaceutical and biotechnology industries. As a graduate, you will be equipped with skills in modern molecular biology and pharmacology. These skills are underpinned with a comprehensive background in chemistry with relevant synthetic skills necessary for synthesising complex drug candidates. You can also find employment opportunities within the research, government, management, legal and education sectors.

Dual Award Degree Programs

Bachelor of Medicinal Chemistry / Bachelor of Laws - page 83

Music

Bachelor of Music Program code 3436	Faculty Arts & Social Sciences	Units of credit (per year/total) 48/192	Estimated first year tuition A$28,560
	Minimum years 4 years	Entry February	Assumed knowledge Audition/Interview required

Program structure
The Bachelor of Music allows you to complete:
- Core courses in music performance, musicianship and musicology
- Your choice of specialist music stream
- Extensive training in ensemble skills and professional practices
- Elective courses that give you the flexibility to combine your music studies with complementary areas

Music Streams
Music Creative Practice - Develop high-level performance or compositional skills

Music Enquiry - Studies in historical musicology, ethnomusicology, and the psychology of music

Sonic Arts - Develop technical and creative skills in electro-acoustic music and provides links to media studies

Music Pedagogy - Provides specialist study in studio music teaching and preparation for further music education studies

Career opportunities
Our graduates are highly skilled musicians with specialist knowledge and practical skills in music cognition, analysis and performance. Career options include: Performance, teaching, broadcasting, arts administration, arts management, composition, conducting, arts advocacy, music recording and film industries, research, and arts journalism.

Dual Award Degree Programs

Bachelor of Music / Bachelor of Arts - page 84
Bachelor of Music / Bachelor of Commerce - page 84
Bachelor of Music / Bachelor of Education (Secondary) - page 79
Bachelor of Music / Bachelor of Engineering (Honours) - page 84
Bachelor of Music / Bachelor of Law - page 83
Bachelor of Music / Bachelor of Media (Communications and Journalism)- page 84
Bachelor of Music / Bachelor of Media (Public Relations and Advertising) - page 84
Bachelor of Music / Bachelor of Media (Screen and Sound Production) - page 84
Bachelor of Music / Bachelor of Science - page 84
Bachelor of Music / Bachelor of Science (Advanced)- page 84

Nanotechnology

Bachelor of Science (Nanotechnology) Program code 3617	Faculty Science	Units of credit (per year/total) 48/192	Estimated first year tuition A$37,440
	Minimum years 4 years	Entry February and July (will require summer semester after first semester of study)	Assumed knowledge Maths, Chemistry and Physics

Program structure

YEAR 1
Chemistry, Physics, Mathematics, Nanotechnology, Design and Application of Materials

YEAR 2 AND YEAR 3
At the commencement of Year 2, you nominate a major in nanodevices or nanomaterials, and take courses relevant to your chosen major in Years 2 and 3, as well as general education and elective courses.

YEAR 4
Nanotechnology project and electives for nominated major.

Career opportunities
Graduates pursue careers across a wide range of disciplines. Many pursue careers in research while others work in the science and technology sector or research and development.

Start-up companies and other organisations seek to exploit nanotechnology principles in the manufacture of devices and products.They employ nanotechnology graduates because of their broad training, capacity to think critically and laterally, and their problem-solving abilities

Planning

Bachelor of Planning Program code 3360	Faculty Built Environment	Units of credit (per year/total) 48/240	Estimated first year tuition A$33,030
	Minimum years 5 years (including one year of work experience)	Entry February	Assumed knowledge None

Program structure

YEAR 1
Development Processes, Environmental Systems and Process, Local Planning, Planning Theory and Practice, Understanding Design, Geographical Information Systems, Urban Society, 1 open elective

YEAR 2
Economics of Planning and Development; History, Heritage and the Built Environment; Quantitative Methods, Resources, Planning and the Natural Environment; Urban Design, Integrated Planning 1, 2 general education courses

YEAR 3
Development Assessment, Integrated Planning 2 - Strategic Planning, Planning Law and Administration, Transport, Land Use and Environment, work experience (6 months)

YEAR 4
Integrated Planning 3 - Master Planning, Qualitative Methods, Social Planning, work experience (6 months), BEIL: interdisciplinary learning courses

YEAR 5
Professionalism, Ethics & Politics; research design; thesis project; specified elective; 1 open elective; 1 BEIL interdisciplinary learning course

Career opportunities
Graduates may pursue careers as an environmental planner, land use planner, strategic planner, urban planner, social planner, or development assessment planner.

Professional recognition
This degree is accredited by the Planning Institute of Australia.

See also

Bachelor of Engineering (Honours) in Surveying - page 61
Bachelor of Environmental Management - page 62
Bachelor of Planning/Bachelor of Laws - page 83

Professional Practice

Diploma of Professional Practice Program code 7018	Minimum years 1 year	Units of credit (total) 48	Estimated first year tuition A$28,080
	Entry February and July	Assumed knowledge None	

The Diploma of Professional Practice provides you with formal, structured work-based opportunities to systematically reflect upon and develop your knowledge, skills and capabilities as a global citizen, leader and professional practitioner. On completion of the diploma, you should have developed a deeper understanding of, and capability for, leadership, and professional practice in an international community.

This program can only be studied after completion of your Bachelor degree at UNSW.

Psychology

Bachelor of Psychology

Program code 3432

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February	Maths

Program structure

YEAR 1
Psychology 1A and 1B, Introduction to Psychology Applications, electives, general education courses

YEAR 2
Research Methods 2, Social and Developmental Psychology, Perception and Cognition, Learning and Physiological Psychology, Assessment, Personality and Psychopathology, electives, general education courses

YEAR 3
Research Methods 3, Physiological Applications, Level 3 Psychology, electives, open electives

Sample list of Level 3 Psychology electives:
Physiological Psychology, Cognitive Science, Vision and Brain, Psychobiology of Memory and Motivation, Language and Cognition, Social Psychology, Behaviour in Organisations, Psychology and Law, Health Psychology, Developmental Psychology

YEAR 4
Psychology 4A and 4B

Career opportunities

A professional qualification in psychology leads to careers in clinical, organisational and forensic settings as well as teaching and research. The main employer of trained psychologists is the government sector where psychologists work in areas ranging from health, education and community services through to police, corrective services, industrial relations and road and traffic authorities.

Other employers are tertiary institutions, management and personnel consultants, market research organisations and banks. Many psychologists also work in private employment as clinical, educational or industrial consultants.

Professional recognition

To become a member of the Australian Psychological Society, and for registration as a psychologist in New South Wales, Australia, you must first complete an approved four-year degree in psychology followed by an accredited postgraduate course in psychology such as one of the Master of Psychology degrees (Clinical, Forensic, Organisational) offered at UNSW. An alternative to postgraduate study is two years of supervised experience in professional practice.

Bachelor of Psychological Science

Program code 3435

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/144	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	Maths

Program structure

YEAR 1
Psychology 1A, Psychology 1B, electives

YEAR 2
Research Methods 2; Social and Developmental Psychology; Perception and Cognition; Learning and Physiological Psychology; Assessment, Personality and Psychopathology; electives or general education courses

YEAR 3
Research Methods 3, Psychological Applications, Level 3 Psychology electives, electives or general education courses

Sample list of Level 3 Psychology electives:
Physiological Psychology, Cognitive Science, Vision and Brain, Psychobiology of Memory and Motivation, Language and Cognition, Social Psychology, Behaviour in Organisations, Psychology and Law, Health Psychology, Developmental Psychology

Complementary majors available: neuroscience, vision science, human resource management, management, marketing, linguistics, criminology, philosophy

Career opportunities

For those wishing to use their degree in psychology as a general training for future employment, the skills acquired during the degree in psychological science are extremely valuable to a wide variety of careers. Psychologists work in a range of organisations within both the public and private sector. These include clinical and health settings such as clinics and hospitals, a diverse collection of commercial and non-profit organisations, and forensic settings such as prisons and law courts. Employers range from the army to schools, from the Roads and Maritime Service to the Department of Health.

For those wishing to practice as a specialist professional psychologist, typical areas of work include clinical, organisational, forensic, counselling and educational psychology.

Psychologists are employed across several industries including health care and social assistance, public administration and safety, education and training, and administrative and support services. This mix of industries is highly favourable for employment growth prospects.

Bachelor of Psychological Science (Honours)

Program code 4518

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/48	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
1 year	February and July	See entry requirements

The purpose of Honours in Psychology is to enable students who have performed well at undergraduate level to deepen their knowledge of approaches, perspectives and traditions in psychology and undertake a significant research project. Honours is a means for connecting undergraduate study with supervised independent research by consolidating and extending work completed in the undergraduate program and providing an academic foundation for students continuing on to a Masters by coursework, a Masters by research, or a PhD.

Admissions requirements

To be eligible for this program, students must have completed a Bachelor's Degree or Graduate Diploma from an approved institution. See the UNSW Online Handbook for more information and details.

See also

- Bachelor of Science (Advanced) major in psychology page 73
- Bachelor of Arts with major in psychology - page 50
- Bachelor of Science with a major in psychology - page 72
- Bachelor of Life Sciences with a major in psychology - page 65

Science

Bachelor of Science

Program code 3970

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/144	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July (may require summer semester after first semester of study	Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Major discipline areas include:

- Anatomy
- Bioinformatics
- Biology
- Biotechnology
- Chemistry
- Earth Science
- Ecology
- Food Science
- Genetics
- Geography
- Marine Science
- Materials Science
- Mathematics
- Mathematics for Education (a stream for a major in Mathematics for Education as part of a concurrent Bachelor of Science/Bachelor of Education program (4076). Only students enrolled concurrently in both a Bachelor of Science and Bachelor of Education program may take this major.)
- Microbiology
- Molecular and Cell Biology
- Neuroscience
- Pathology
- Pharmacology
- Physical Oceanography
- Physical Science
- Physiology
- Psychology
- Statistics
- Vision Science

The availability of majors may be subject to periodical review. Please visit the Faculty of Science website for updates: science.unsw.edu.au

Dual Award Degree Programs

- Bachelor of Actuarial Studies / Bachelor of Science - page 75
- Bachelor of Commerce / Bachelor of Science - page 76
- Bachelor of Science / Bachelor of Science (Computer Science)- page 85
- Bachelor of Economics / Bachelor of Science - page 77
- Bachelor of Science / Bachelor of Education (Secondary) - page 79
- Bachelor of Engineering (Honours) / Bachelor of Science - page 80
- Bachelor of Science / Bachelor of Laws - page 83
- Bachelor of Music / Bachelor of Science - page 84
- Bachelor of Science & Business / Bachelor of Laws - page 83
- Bachelor of Science / Bachelor of Arts - page 85
- Bachelor of Science / Bachelor of Fine Arts - page 85
- Bachelor of Science / Bachelor of Social Research and Policy - page 85
- Bachelor of Optometry / Bachelor of Science - page 85

Bachelor of Science (Honours)

Program code 4500

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/48	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
1 year	February and July	See entry requirements

Admissions requirements

Students are expected to have completed the requirements for a three year full-time undergraduate Bachelor degree typically with a minimum overall WAM (weighted average mark) of a credit, and completed a major within the desired honours discipline.

Students must apply to the relevant School for admission into Honours, and admission requirements as well as the number of places available are determined by the Head of School or nominee. For details of the entry requirements for a particular discipline, please see the relevant plan entry in the UNSW Online Handbook.

See also

- Bachelor of Aviation - page 51
- Bachelor of Engineering (Honours) in various disciplines - pages 56 – 62
- Bachelor of Environmental Management - page 62
- Bachelor of Medical Science - page 69
- Bachelor of Exercise Physiology - page 68
- Bachelor of Optometry/Bachelor of Science - page 85
- Bachelor of Planning - page 70
- Bachelor of Psychology - page 71
- Bachelor of Science (Biotechnology) - page 52
- Bachelor of Food Science (Honours) - page 63
- Bachelor of Science (Nanotechnology) - page 70
- Bachelor of Commerce/Bachelor of Science - page 76
- Bachelor of Engineering (Honours)/Bachelor of Science - pages 80
- Bachelor of Music/Bachelor of Science - page 84
- Bachelor of Science/Bachelor of Education (Secondary) - page 79
- Bachelor of Science/Bachelor of Laws - page 83
- Bachelor of Economics/Bachelor of Science - page 77
- Bachelor of Science/Bachelor of Science (Computer Science) - page 85

Bachelor of Science (International)

Program code 3987

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July (may require summer semester after first semester of study	Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Program structure

You will complete a science-based major; a sequence of language courses; electives which cover cultural studies, international business, development studies and globalisation; and an overseas exchange for two semesters at an approved partner university. You are provided with a contribution towards the expenses of the exchange by the Faculty of Science.

Choose a major from the following areas:

- Anatomy
- Bioinformatics
- Biology
- Biotechnology
- Chemistry
- Earth Science
- Ecology

continued on next page

- Food Science
- Genetics
- Geography
- Marine Science
- Materials Science
- Mathematics
- Microbiology
- Molecular and Cell Biology
- Neuroscience
- Pathology
- Pharmacology
- Physical Oceanography
- Physical Science
- Physiology
- Psychology
- Statistics
- Vision Science

The availability of majors may be subject to review. Please visit the Faculty of Science website for updates: science.unsw.edu.au

See also

Bachelor of Economics/Bachelor of Science - page 77
Bachelor of Science (Advanced)/Bachelor of Laws page 83
Bachelor of Science (Advanced Mathematics)/Bachelor of Laws - page 83
Bachelor of Music/Bachelor of Science - page 84

Bachelor of Science and Business

Program code 3925

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/144	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Program structure

96 UOC of approved science major, 48 UOC of business component, comprising 24 UOC of foundation business courses and 24 UOC of business electives (business law, marketing and management).

Choose a major from the following areas:

- Anatomy
- Bioinformatics
- Biology
- Biotechnology
- Chemistry
- Earth Science
- Ecology
- Food Science
- Genetics
- Geography
- Marine Science
- Materials Science
- Mathematics
- Microbiology
- Molecular and Cell Biology
- Neuroscience
- Pathology
- Pharmacology
- Physical Oceanography
- Physical Science
- Physiology
- Psychology
- Statistics
- Vision Science

Career opportunities

The program has been designed for students whose passion is science, but who also recognise that awareness of contemporary business practices can be vital in the modern workplace.

Dual Award Degree Programs

Bachelor of Science & Business / Bachelor of Laws - page 83

Advanced Science

Bachelor of Science (Advanced)

Program code 3972

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July (may require summer semester after first semester of study)	Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

MAJORS IN ADVANCED SCIENCE

- Advanced Physical Oceanography
- Anatomy
- Archaeology & Palaeoenvironments
- Bioinformatics
- Biological Science
- Biotechnology
- Chemistry
- Climate Dynamics
- Climate Systems Science
- Earth Science
- Ecology
- Genetics
- Geochemistry
- Human Geography
- Marine and Coastal Science
- Materials Science
- Mathematics
- Microbiology
- Molecular and Cell Biology
- Neuroscience
- Pathology
- Pharmacology
- Physical Geography
- Physics
- Physiology
- Psychology
- Statistics
- Vision Science

The availability of the majors may be subject to review. Please visit the Faculty of Science website for updates: science.unsw.edu.au

Dual Award Degree Programs

Bachelor of Commerce / Bachelor of Science (Advanced) - page 76
Bachelor of Economics / Bachelor of Science (Advanced) - page 77
Bachelor of Science (Advanced) / Bachelor of Laws - page 83
Bachelor of Science (Advanced) / Bachelor of Fine Arts - page 86
Bachelor of Science (Advanced) / Bachelor of Science (Computer Science) - page 86
Bachelor of Science (Advanced) / Bachelor of Social Research and Policy - page 86
Bachelor of Science (Advanced) / Bachelor of Engineering (Honours) - page 85

Advanced Mathematics

Bachelor of Science (Advanced Mathematics)

Program code 3986

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/192	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July (may require summer semester after first semester of study)	Maths

MAJORS IN ADVANCED MATHEMATICS

- Applied Mathematics
- Pure Mathematics
- Quantitative Risk*
- Advanced Statistics

*Students can only undertake this major with approval from the head of school.

The Advanced Mathematics degree is aimed at high achieving students who wish to specialise in mathematics as a basis for the increasing range of quantitative careers in areas such as finance, environmental modelling and research. This four-year degree combines advanced coursework with an Honours-level research project in one of the available majors. UNSW offers mathematics students advanced facilities combined with innovative teaching.

Dual Award Degree Programs

Bachelor of Actuarial Studies / Bachelor of Science (Advanced Mathematics) - page 75
Bachelor of Commerce / Bachelor of Science (Advanced Mathematics) - page 76
Bachelor of Economics / Bachelor of Science (Advanced Mathematics) - page 77
Bachelor of Science (Advanced Mathematics) / Bachelor of Laws - page 83
Bachelor of Science (Advanced Mathematics) / Bachelor of Arts - page 86
Bachelor of Science (Advanced Mathematics) / Bachelor of Engineering (Honours) - page 86
Bachelor of Science (Advanced Mathematics) / Bachelor of Science (Computer Science) - page 86

Social Research and Policy

Bachelor of Social Research and Policy

Program code 3420

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/144	A$29,040
Minimum years	**Entry**	**Assumed knowledge**
3 years	February and July	None

Program structure

The Bachelor of Social Research and Policy will give you knowledge and skills in research and analysis needed to understand complex social, environmental and economic problems. You will study nine core courses covering social science, policy analysis and research methods, and a vocational placement program. This will be combined with your choice of major (nine courses) and six electives.

Majors can include:

- Development Studies
- Economics
- Environmental Humanities
- Human Resource Management
- Indigenous Studies
- International Business
- International Relations
- Marketing
- Media Culture and Technology
- Politics
- Sociology and Anthropology

Core courses of the program include:

YEAR 1
Policy and Society, Social Research and Society

YEAR 2
Qualitative Social Research, Policy Analysis

YEAR 3
Social Theory and Policy Analysis, Quantitative Research Project, Social Science and Policy Project, Social Research and Policy Graduates in the Workplace, Social Research and Policy Internship. You also complete open electives and general education electives as part of this program.

Career opportunities

As a graduate you will design research, evaluate policy, manage projects, conduct interviews, field high quality social surveys, use statistics, and understand their role in social change. Our Social Research and Policy graduates are highly successful in gaining employment in diverse roles and areas such as:

Public sector
Research manager, policy analyst, political adviser, project manager.

Community sector
Program management, community development, information management, advocacy and innovation.

Private sector
Organisational management. marketing, market research, corporate affairs management, private consultant, research consultant.

Dual Award Degree Programs

Bachelor of Art Theory / Bachelor of Social Research and Policy - page 75
Bachelor of Science / Bachelor of Social Research and Policy - page 85
Bachelor of Science (Advanced) / Bachelor of Social Research and Policy - page 86
Bachelor of Social Research and Policy / Bachelor of Laws - page 84
Bachelor of Social Work (Honours) / Bachelor of Social Research and Policy - page 86

Social Work

Bachelor of Social Work (Honours)

Program code 4033

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/192	A$30,090
Minimum years	**Entry**	**Assumed knowledge**
4 years	February	None

Program structure

Our Social Work degree has a strong emphasis on practical skills and you will start professional practice right from the first year. The Bachelor of Social Work with Honours includes studies in the areas of social work practice, social and behavioral sciences, contextual studies and research. The degree includes 28 core courses, four electives, field placements, and an Honours year.

YEAR 1
Rethinking the Social, Cultural Experience, Psychology 1A, Introduction to Social Work, Lifespan and Health, Policy and Society, Social Research and Society, free elective

continued on next page

YEAR 2
Sole Clients and Groups, Social Work Practice: Community Work, Culture, Identity, Diversity, Sole Clients and Families, Aboriginal People & Social Work, Policy Analysis, free elective, general education

YEAR 3
Socio Legal Practice, Ethics and Reflective Practice, Organisational Practice, Level Three Placement, Policy and Social Theory, general education.

YEAR 4
Selected Studies 2, Level Four Placement, Evidence Based Research, Mental Health and Trauma, Child and Family Practice

In the fourth year of your degree you will choose between two Honours streams. You can choose to complete & professional portfolio integrating your professional social work courses with your placement experience, or choose to produce a research-based thesis.

Career opportunities
Opportunities for social workers are diverse and include work in government services, hospitals, local government – in social planning and in the organisation and delivery of services for local residents, non-government welfare agencies, and industrial/corporate settings. Social workers can also work in private practice as counsellors or psychotherapists or as consultants in planning and social policy, international aid, politics, rights and education.

Professional recognition
Graduates are eligible for membership of the Australian Association of Social Workers.

Note: please check the qualifications required to be a practicing social worker in your home country.

Dual Award Degree Programs
Bachelor of Social Work (Honours) / Bachelor of Arts - page 86
Bachelor of Social Work (Honours) / Bachelor of Criminology and Criminial Justice - page 86
Bachelor of Social Work (Honours) / Bachelor of Laws - page 84
Bachelor of Social Work (Honours) / Bachelor of Social Research and Policy - page 86

Dual Award Degree Programs

Actuarial Studies

Bachelor of Actuarial Studies / Bachelor of Commerce Program code 3155	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,360
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Actuarial Studies / Bachelor of Economics Program code 3588	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,360
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Actuarial Studies / Bachelor of Science Program code 3154	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,720
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Actuarial Studies / Bachelor of Science (Advanced Mathematics) Program code 3589	**Faculty** Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,720
	Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths

See also
Bachelor of Actuarial Studies/Bachelor of Laws - page 82

Art Theory

Bachelor of Art Theory / Bachelor of Arts Program code 4806	**Faculty** Art & Design	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$29,040
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** None
Bachelor of Art Theory / Bachelor of Social Research and Policy Program code 4815	**Faculty** Art & Design	**Units of credit (per year/total)** 48/216	**Estimated first year tuition** A$29,040
	Minimum years 4.5 years	**Entry** February and July	**Assumed knowledge** None

Commerce

Bachelor of Commerce / Bachelor of Arts Program code 3522	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$32,520
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Aviation (Management) Program code 3835	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,720
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Design (Honours) Program code 3568	**Faculty** Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$32,520
	Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Economics Program code 3521	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,360
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Fine Arts Program code 3567	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$32,520
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Information Systems Program code 3584	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,360
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Media (Public Relations and Advertising) Program code 3559	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$32,520
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Science Program code 3529	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,720
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths and Science
Bachelor of Commerce / Bachelor of Science (Advanced) Program code 3593	**Faculty** Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,720
	Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Science (Advanced Mathematics) Program code 3523	**Faculty** Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,720
	Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths
Bachelor of Commerce / Bachelor of Science (Computer Science) Program code 3967	**Faculty** Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,720
	Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

See also
Bachelor of Commerce / Bachelor of Education (Secondary) - page 77
Bachelor of Commerce / Bachelor of Laws - page 82
Bachelor of Music / Bachelor of Commerce - page 84
Bachelor of Engineering (Honours) / Bachelor of Commerce - page 80

Design

Bachelor of Design (Honours) / Bachelor of Media in Public Relations and Advertising
Program code 4818

Faculty Art & Design	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,040
Minimum years 5 years	**Entry** February and July	**Assumed knowledge** None

See also
Bachelor of Design (Honours) / Bachelor of Education (Secondary) - page 78
Bachelor of Commerce / Bachelor of Design (Honours) - page 76

Economics

Bachelor of Economics / Bachelor of Arts
Program code 3552

Faculty Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$32,520
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

Bachelor of Economics / Bachelor of Science
Program code 3563

Faculty Business School	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$36,720
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

Bachelor of Economics / Bachelor of Science (Advanced)
Program code 3566

Faculty Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,720
Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths

Bachelor of Economics / Bachelor of Science (Advanced Mathematics)
Program code 3564

Faculty Business School	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,720
Minimum years 5 years	**Entry** February and July	**Assumed knowledge** Maths

See also
Bachelor of Commerce/Bachelor of Economics - page 76
Bachelor of Economics/Bachelor of Education (Secondary) - page 78
Bachelor of Economics/Bachelor of Laws - page 82

Education

Bachelor of Arts / Bachelor of Education (Secondary)
Program code 4054

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$30,240
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** None

Program structure
You combine studies in two approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools.

Teaching specialisations are available in Aboriginal studies, Chinese, drama (theatre and performance studies), economics, English, English as a second language (EAL/D), French, geography, German, history, Indonesian, music studies, Japanese, Korean, Spanish and Latin American Studies, legal studies, society and culture.

Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as in education, corporate training and management.

Professional recognition
The Bachelor of Arts/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Commerce / Bachelor of Education (Secondary)
Program code 3462

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$34,860
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

Program structure
You will combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools.

Teaching specialisations are available in business studies and economics.

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Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as careers in education, corporate training and management.

Professional recognition
The Bachelor of Commerce/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Design (Honours) / Bachelor of Education (Secondary)
Program code 4061

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,640
Minimum years 5 years	**Entry** February and July	**Assumed knowledge** None

Program structure
You will combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools. You will also complete Honours study in Design.

Teaching specialisations are available in graphics and multi media technology, visual arts and visual arts extension.

Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as careers in education, corporate training and design.

Professional recognition
The Bachelor of Design (Honours)/Bachelor of Education (Secondary) is recognised by Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Economics / Bachelor of Education (Secondary)
Program code 4058

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$34,860
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

Program structure
You combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools.

Teaching specialisations are available in business studies and economics. Teaching specialisations are available in business studies and economics.

Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as a variety of careers in education, corporate training and management.

Professional recognition
The Bachelor of Economics/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Fine Arts / Bachelor of Education (Secondary)
Program code 4059

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$30,240
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** None

Program structure
You will combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools.

Teaching specialisations are available in graphics and multi media technology, visual arts and visual arts extension.

Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as careers in education, corporate training and the arts.

Professional recognition
The Bachelor of Fine Arts/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Media Arts (Honours) / Bachelor of Education (Secondary)
Program code 4062

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,640
Minimum years 5 years	**Entry** February and July	**Assumed knowledge** None

Program structure
You will combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools. You will also complete Honours study in Media Arts.

Teaching specialisations are available in graphics and multi media technology, visual arts and visual arts extension.

Career opportunities
As a graduate, you can work in secondary school teaching in Australia and internationally, as well as careers in education, corporate training and the media arts industry.

Professional recognition
The Bachelor of Media Arts (Honours)/Bachelor of Education (Secondary) is recognised by Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Bachelor of Music / Bachelor of Education (Secondary)
Program code 3446

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/240	A$31,080
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Audition/Interview required

Program structure
The degree consists of core courses in musicology, musicianship, performance and education combined with elective courses in both music and education. You will also complete an intensive pre-professional training in your choice of stream: music creative practice, music enquiry, sonic arts, or music pedagogy.

Career opportunities
As a graduate, you can work in the areas of secondary teaching, music administration, music production, broadcasting and recording, performance planning, composing and arranging.

The Bachelor of Music/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES).

Bachelor of Science / Bachelor of Education (Secondary)
Program code 4076

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/192	A$35,940
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July	None

Program structure
You combine studies in your approved teaching disciplines with both theoretical and practical aspects of education. In the final two years of the program, you will develop skills in classroom competence and spend 80 days on supervised teaching practice in allocated secondary schools.

Teaching specialisations are available in mathematics, biology, chemistry, physics, or earth and environmental science.

Career opportunities
The Education program prepares graduates for professions in secondary school teaching in Australia and internationally, as well as a variety of careers in education, corporate training and science.

Professional recognition
The Bachelor of Science/Bachelor of Education (Secondary) is recognised by the Board of Studies Teaching and Educational Standards NSW Australia (BOSTES). You should check with the employing authority in your home country regarding your eligibility for a teaching position.

Engineering

Bachelor of Engineering (Honours) / Master of Biomedical Engineering
Program code 3768

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Maths, Physics and Chemistry

The Bachelor of Engineering (Honours) / Master of Biomedical Engineering dual degree is offered in the following Engineering disciplines:
- Bioinformatics Engineering
- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Mechanical Engineering
- Mechatronic Engineering
- Software Engineering
- Telecommunications

Program structure
The first year provides grounding in mathematics, physics and general classes in areas such as chemistry, computing and basic research and reporting skills. As you progress through your following four years, an increasing number of postgraduate biomedical classes are added to your program.

Sample Bachelor of Engineering (Honours) in Electrical Engineering / Master of Biomedical Engineering

YEAR 1
Maths, Physics, Computing, Engineering Design, Engineering Materials & Chemistry, Electrical & Telecommunications Engineering

YEAR 2
Mathematics, Computing, Circuits and Signals, Clinical Laboratory Science, Embedded Systems Design, Analogue Electronics, General Education course

YEAR 3
Digital Circuit Design, Electronics, Electromagnetic Engineering, Principles of Physiology A and B, Real Time Instrumentation, Electrical Energy, Electrical Engineering Design

YEAR 4
Digital Signal Processing, Electrical Design Proficiency, Solid-State Electronics, Biomedical Engineering Elective, Control Systems, Strategic Leadership and Ethics, Thesis

YEAR 5
RF Electronics, Introduction to Biomechanics, Mechanics of Biomaterials, Mechanics of the Human Body, Regulatory Requirements of Biomedical Technology, Digital and Embedded Systems, Biomedical Masters Project

Career opportunities
Biomedical engineers may seek work in any of the traditional areas associated with their chosen Bachelor of Engineering discipline and also in public and private medical research laboratories, the medical device industry, hospitals, universities, health care management, and the bioprocessing, biomechanical and biotechnology industries.

Professional recognition
The Master of Biomedical Engineering is recognised by the College of Biomedical Engineers .

Bachelor of Engineering (Materials Science and Engineering) / Master of Biomedical Engineering
Program code 3138

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July	Maths, Physics

Bachelor of Engineering/ Master of Engineering in Electrical Engineering
Program code 3731

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July*	Maths, Physics

Bachelor of Engineering (Honours) / Bachelor of Arts
Program code 3763

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/264	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5.5 years	February and July*	Maths, Physics

The Bachelor of Engineering (Honours) Bachelor of Arts dual degree is offered in the following Engineering disciplines:
- Aerospace Engineering
- Bioinformatics Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical and Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Surveying
- Telecommunications
- Flexible (for students who have not yet decided which discipline of Engineering they wish to pursue)

Program structure
With this dual degree program, students must successfully complete courses that total at least 264 units of credit, 168 UOC from the Faculty of Engineering and 96 UOC from the Faculty of Arts & Social Sciences. However, the total of 264 units of credit may be reduced to 240 units of credit (5 years) if Mathematics is taken as the minor stream in the BA component.The Faculty of Arts & Social Sciences also offers the dual award degree Music/ Engineering, program 3459 in all engineering disciplines (please see information under Faculty of Arts).

Bachelor of Engineering (Honours) / Bachelor of Commerce
Program code 3764

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5.5 years	February and July*	Maths, Physics and Chemistry

This dual degree is offered in the following Engineering disciplines:
- Aerospace Engineering
- Bioinformatics Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical and Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Telecommunications
- Flexible (for students who have not yet decided which discipline of Engineering they wish to pursue)

Bachelor of Engineering (Honours) / Bachelor of Science
Program code 3767

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July	Maths, Physics and Chemistry

The Bachelor of Engineering (Honours) Bachelor of Science dual degree is offered in the following Engineering disciplines:
- Aerospace Engineering
- Bioinformatics Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical and Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Surveying
- Telecommunications
- Flexible (for students who have not yet decided which discipline of Engineering they wish to pursue)

Program structure
With this dual degree program, students take the 168 units of credit core of the Bachelor of Engineering (Honours) 3707 and the 96 units of credit core of the Bachelor of Science program 3970. Because of the overlap of 24 units of credit of Science courses in both core, the total units of credit required for completion is 240 UOC, rather than 264 UOC. The Faculty of Science also offer the dual degrees Advanced Science /Engineering Program 3762 and Advanced Mathematics/ Engineering program 3761 in all the engineering disciplines. Please see the Faculty of Science for further details.

Bachelor of Engineering (Honours) / Bachelor of Science (Computer Science)
Program code 3772

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$35,760
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July*	Maths, Physics and Chemistry

The dual degree is offered in the following Engineering disciplines:
- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical and Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Telecommunications
- Flexible (for students who have not yet decided which discipline of Engineering they wish to pursue)

Program structure
With this dual degree program, students take the 168 units of credit core of the Bachelor of Engineering (Honours) 3707 and the 96 units of credit core of the Bachelor of Science (Computer Science) program 3978. Because of the overlap of 24 units of credit of courses in both core, the total units of credit required for completion is 240 UOC, rather than 264 UOC.

* Students starting an engineering program in semester 2 may be required to complete summer semesters. Contact the UNSW Engineering for further details.

Bachelor of Engineering (Civil Engineering) / Bachelor of Engineering (Environmental Engineering)
Program code 3631

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July*	Maths, Physics

Bachelor of Engineering (Civil Engineering) / Bachelor of Engineering (Mining Engineering)
Program code 3146

Faculty	Units of credit (per year/total)	Estimated first year tuition
Engineering	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February and July*	Maths, Physics

Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Commerce
Program code 3136

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/264	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5.5 years	February and July	Maths and Physics

Bachelor of Engineering (Materials Science and Engineering) / Bachelor of Engineering (Chemical Engineering)
Program code 3137

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/240	A$37,440
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Maths and Physics

The program includes industrial experience of a minimum of 12 weeks to be taken during the vacation period.

Professional recognition
Engineers Australia recognises the Bachelor of Engineering in both Materials Science and Engineering and Chemical Engineering. In addition, the Bachelor of Chemical Engineering is accredited by the Institution of Chemical Engineers.

Environmental Management

Bachelor of Environmental Management / Bachelor of Arts
Program code 3943

Faculty	Units of credit (per year/total)	Estimated first year tuition
Science	48/216	A$35,160
Minimum years	**Entry**	**Assumed knowledge**
4.5 years	February and July	Maths and Chemistry

See also
Bachelor of Environmental Management - page 62

Fine Arts

Bachelor of Fine Arts / Bachelor of Arts
Program code 4812

Faculty	Units of credit (per year/total)	Estimated first year tuition
Art & Design	48/192	A$29,040
Minimum years	**Entry**	**Assumed knowledge**
4 years	February and July	None

International Studies

Bachelor of International Studies / Bachelor of Media (Communication and Journalism)
Program code 3441

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/240	A$29,400
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of International Studies/ Bachelor of Media (Public Relations and Advertising)
Program code 3442

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/240	A$29,400
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of International Studies/ Bachelor of Media (Screen and Sound Production)
Program code 3443

Faculty	Units of credit (per year/total)	Estimated first year tuition
Arts & Social Sciences	48/240	A$29,400
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Law

Bachelor of Actuarial Studies / Bachelor of Laws
Program code 4737

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$36,240
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Maths

Bachelor of Arts / Bachelor of Laws
Program code 4760

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$30,660
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of Art Theory / Bachelor of Laws
Program code 4703

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$30,660
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of Arts and Business / Bachelor of Laws
Program code 4773

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$32,520
Minimum years	**Entry**	**Assumed knowledge**
6 years	February	None

Bachelor of Commerce / Bachelor of Laws
Program code 4733

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$35,880
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Maths

Bachelor of Criminology and Criminal Justice / Bachelor of Laws
Program code 4763

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$30,660
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of Economics / Bachelor of Laws
Program code 4744

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$35,880
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	Maths

Bachelor of Engineering (Honours) / Bachelor of Laws
Program code 3765

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/312	A$36,960
Minimum years	**Entry**	**Assumed knowledge**
6.5 years	February	Maths, Physics (as per single program)

This dual degree is offered in the following Engineering disciplines:
- Aerospace Engineering
- Bioinformatics Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geospatial Engineering
- Industrial Chemistry
- Mechanical Engineering
- Mechanical and Manufacturing Engineering
- Mechatronic Engineering
- Mining Engineering
- Naval Architecture
- Petroleum Engineering
- Photovoltaics and Solar Energy
- Renewable Energy Engineering
- Software Engineering
- Telecommunications

Bachelor of Fine Arts / Bachelor of Laws
Program code 4704

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/240	A$30,660
Minimum years	**Entry**	**Assumed knowledge**
5 years	February	None

Bachelor of International Studies / Bachelor of Laws
Program code 4765

Faculty	Units of credit (per year/total)	Estimated first year tuition
Law	48/288	A$31,560
Minimum years	**Entry**	**Assumed knowledge**
6 years (includes 2 semesters outside Australia)	February	None

Bachelor of Media (Communication & Journalism) / Bachelor of Laws Program code 4753	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$30,660
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Media (Public Relations & Advertising) / Bachelor of Laws Program code 4751	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$30,660
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Media (Screen & Sound Production) / Bachelor of Laws Program code 4752	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$30,660
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Medicinal Chemistry / Bachelor of Laws Program code 4755	**Faculty** Law	**Units of credit (per year/total)** 48/312	**Estimated first year tuition** A$36,960
	Minimum years 6.5 years	**Entry** February	**Assumed knowledge** Maths and Chemistry
Bachelor of Music / Bachelor of Laws Program code 4774	**Faculty** Law	**Units of credit (per year/total)** 48/312	**Estimated first year tuition** A$33,120
	Minimum years 6 years	**Entry** February	**Assumed knowledge** Audition/Interview required for Music component
Bachelor of Planning / Bachelor of Laws Program code 4707	**Faculty** Law	**Units of credit (per year/total)** 48/336	**Estimated first year tuition** A$33,030
	Minimum years 7 years (with 2 semesters work experience)	**Entry** February	**Assumed knowledge** None
Bachelor of Science / Bachelor of Laws Program code 4770	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,960
	Minimum years 5 years	**Entry** February	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics
Bachelor of Science (Advanced) / Bachelor of Laws Program code 3997	**Faculty** Law	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$36,960
	Minimum years 6 years	**Entry** February	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics
Bachelor of Science (Advanced Mathematics) / Bachelor of Laws Program code 3998	**Faculty** Law	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$36,960
	Minimum years 6 years	**Entry** February	**Assumed knowledge** Maths
Bachelor of Science (Computer Science) / Bachelor of Laws Program code 3984	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$36,960
	Minimum years 5 years	**Entry** February	**Assumed knowledge** Maths
Bachelor of Science & Business / Bachelor of Laws Program code 4772	**Faculty** Law	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$36,960
	Minimum years 6 years	**Entry** February	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics
Bachelor of Social Research and Policy / Bachelor of Laws Program code 4771	**Faculty** Law	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$30,660
	Minimum years 5.5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Social Work (Honours) / Bachelor of Laws Program code 4787	**Faculty** Law	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$31,710
	Minimum years 6.5 years	**Entry** February	**Assumed knowledge** None

NOTE: UNSW Law continually enhances their program offerings to ensure students have the most comprehensive dual degree options available to them. Please check the Law website for up-to-date dual degree program listings as they are confirmed: law.unsw.edu.au/ugprograms

Media Arts

Bachelor of Media Arts (Honours) / Bachelor of Science (Computer Science) Program code 3969	**Faculty** Engineering	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
	Minimum years 5 years	**Entry** February and July*	**Assumed knowledge** Maths

Music

Bachelor of Music / Bachelor of Arts Program code 3456	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,040
	Minimum years 5 years	**Entry** February	**Assumed knowledge** Audition/Interview required
Bachelor of Music / Bachelor of Commerce Program code 3460	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$33,360
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Music / Bachelor of Engineering (Honours) Program code 3459	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/312	**Estimated first year tuition** A$34,080
	Minimum years 6.5 years	**Entry** February	**Assumed knowledge** Audition/interview required
Bachelor of Music / Bachelor of Media (Communications and Journalism) Program code 3465	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,880
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Music / Bachelor of Media (Public Relations and Advertising) Program code 3463	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,880
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Music / Bachelor of Media (Screen and Sound Production) Program code 3464	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$29,880
	Minimum years 5 years	**Entry** February	**Assumed knowledge** None
Bachelor of Music / Bachelor of Science Program code 3457	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$34,080
	Minimum years 5 years	**Entry** February	**Assumed knowledge** Audition/Interview required
Bachelor of Music / Bachelor of Science (Advanced) Program code 3458	**Faculty** Arts & Social Sciences	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$34,080
	Minimum years 6 years	**Entry** February	**Assumed knowledge** Audition/Interview required

Science

Bachelor of Optometry / Bachelor of Science
Program code 3952

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
Minimum years 5 years	**Entry** February	**Assumed knowledge** Maths, Chemistry and Physics

Program structure

YEAR 1
Molecules, Cells and Genes, Chemistry, Biological Chemistry for Optometry, Mathematics, Physics, Vision Science, Optics, Evolutionary and Functional Biology or Psychology

YEAR 2
Optometry, Physiology, Introduction to Ocular Disease, Function of the Visual System, Physiology of the Ocular System

YEAR 3
Optometry, Ocular Disease, Pharmacology for Optometry, Developments in Vision Science, Ageing of the Visual System, general education courses

YEAR 4
Optometry, Medicine and Patient Management, Optometry, Clinical Optometry, Ocular Therapeutics, Professional Optometry, general education courses

YEAR 5
Clinical Optometry, Specialist Clinical Optometry, Clinical Ocular Therapeutics, research project

Career opportunities
Optometry provides graduates with great opportunities to manage their own business. Optometrists may specialise in different areas of clinical practice, including paediatrics, contact lenses, occupational optometry, public health, co-management, low vision rehabilitation, sports vision, behavioural optometry and binocular vision.

Professional recognition
Graduates are eligible for registration as an optometrist in the states and territories of Australia. Please check with local authorities in your home country for professional recognition.

Bachelor of Science / Bachelor of Arts
Program code 3930

Faculty Science	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$33,240
Minimum years 4 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science / Bachelor of Fine Arts
Program code 3926

Faculty Science	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$33,240
Minimum years 4 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science / Bachelor of Science (Computer Science)
Program code 3983

Faculty Engineering	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$37,440
Minimum years 4 years	**Entry** February and July	**Assumed knowledge** Maths

Bachelor of Science / Bachelor of Social Research and Policy
Program code 3937

Faculty Science	**Units of credit (per year/total)** 48/216	**Estimated first year tuition** A$33,240
Minimum years 4.5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science (Computer Science) / Bachelor of Arts
Program code 3968

Faculty Engineering	**Units of credit (per year/total)** 48/192	**Estimated first year tuition** A$34,290
Minimum years 4 years	**Entry** February and July*	**Assumed knowledge** Maths

Bachelor of Science (Advanced) / Bachelor of Arts
Program code 3931

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
Minimum years 5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science (Advanced) / Bachelor of Engineering (Honours)
Program code 3762

Faculty Science	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$37,440
Minimum years 6 years	**Entry** February and July	**Assumed knowledge** Maths, Physics and Chemistry

Bachelor of Science (Advanced) / Bachelor of Fine Arts
Program code 3944

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$33,240
Minimum years 5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science (Advanced) / Bachelor of Science (Computer Science)
Program code 3945

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
Minimum years 5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science (Advanced) / Bachelor of Social Research and Policy
Program code 3938

Faculty Science	**Units of credit (per year/total)** 48/264	**Estimated first year tuition** A$33,240
Minimum years 5.5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Bachelor of Science (Advanced Mathematics) / Bachelor of Arts
Program code 3933

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
Minimum years 5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths

Bachelor of Science (Advanced Mathematics) / Bachelor of Engineering (Honours)
Program code 3761

Faculty Science	**Units of credit (per year/total)** 48/288	**Estimated first year tuition** A$37,440
Minimum years 6 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** Maths and Physics

Bachelor of Science (Advanced Mathematics) / Bachelor of Science (Computer Science)
Program code 3946

Faculty Science	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$37,440
Minimum years 5 years	**Entry** February and July (may require summer session after first semester of study)	**Assumed knowledge** HSC Maths Extension 1

Social Work

Bachelor of Social Work (Honours) / Bachelor of Arts
Program code 4043

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/264	**Estimated first year tuition** A$30,090
Minimum years 5.5 years	**Entry** February	**Assumed knowledge** None

Bachelor of Social Work (Honours) / Bachelor of Criminology and Criminal Justice
Program code 4034

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/240	**Estimated first year tuition** A$30,090
Minimum years 5 years	**Entry** February	**Assumed knowledge** None

Bachelor of Social Work (Honours) / Bachelor of Social Research and Policy
Program code 4044

Faculty Arts & Social Sciences	**Units of credit (per year/total)** 48/264	**Estimated first year tuition** A$30,090
Minimum years 5.5 years	**Entry** February	**Assumed knowledge** None

International undergraduate direct entry table

This table is a guide only and actual entry points may be higher or lower than those indicated. In all cases admission will be determined upon the receipt of an application. The University reserves the right to vary entry requirements to those published without further notice. For further explanations of this table refer to the key on page 89 and 90.

		ATAR	UNSW UFS ❶	GCE A Levels	IB	SAT 1	Singaporean A Levels	Gao Kao	HKDSE	Malaysian STPM	Malaysian UEC	India AISSC	India ISC	Sri Lankan GCE	Canadian OSSD	German Abitur	France Gen Bac.	Norway	Sweden	Korean CSAT	Taiwanese GSAT
Art & Design	B Art Theory ● ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Design (Honours) ● ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Fine Arts (Honours) ● ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Media Arts (Honours) ● ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
Arts and Social Sciences	B Arts ●	76.00	7.0	10	28	1520	14	80	16	8	2	11.5	80	6	60	3.4	11.5	3.0	14.2	309	60
	B Arts and Business	85.00	7.5	11	31	1660	17	83	19	13	2	14.5	88	9	74	2.6	12.5	3.8	15.5	323	N/A
	B Arts/B Education (Secondary)	76.00	7.0	10	28	1520	14	80	16	8	2	11.5	80	6	60	3.4	11.5	3.0	14.2	309	60
	B Commerce/B Education (Secondary)	92.00	8.0	14	34	1790	19	88	20	16	1	17.0	93	10	82	2.2	13.5	4.6	16.5	335	NA
	B Design (Honours)/B Education (Secondary)	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Economics/B Education (Secondary)	90.00	7.8	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Fine Arts/B Education (Secondary)	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Media Arts (Honours)/B Education (Secondary)	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Science/B Education (Secondary)	79.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B International Studies ●	87.00	7.5	12	32	1700	18	83	19	15	2	15.5	89	9	76	2.6	13	4.0	15.8	327	NA
	B Criminology & Criminal Justice	77.00	7.0	10	28	1530	14	80	16	9	2	12.0	81	6	62	3.4	11.5	3.0	14.3	310	61
	B Music ● ● ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Music/B Education (Secondary) ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Media (Communication & Journalism)	80.00	7.5	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Media (Public Relations & Advertising)	80.00	7.5	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Media (Screen & Sound Production)	78.00	7.5	10	29	1540	14.5	80	17	9	2	12.0	82	6	62	3.2	12	3.4	14.5	312	62
	B Social Research & Policy	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
	B Social Work (Honours) ●	75.00	7.0	10	27	1500	14	80	16	8	2	11.0	79	6	60	3.4	11.5	2.5	14.0	308	59
Built Environment	B Architectural Studies	90.00	8.0	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Computational Design	77.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Construction Management & Property	77.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Industrial Design	77.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Interior Architecture	77.00	7.5	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Landscape Architecture	77.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Planning ●	77.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
UNSW Business School	B Actuarial Studies ●	92.50	8.5	15	35	1810	19.5	88	21	16	1	17.0	93	10	82	2.2	13.5	4.6	16.9	338	NA
	B Commerce ●	92.00	8.0	14	34	1790	19	88	20	16	1	17.0	93	10	82	2.2	13.5	4.6	16.5	335	NA
	B Commerce (International)	92.50	8.2	15	35	1810	19.5	88	21	16	1	17.0	93	10	82	2.2	13.5	4.6	16.9	338	NA
	B Economics ●	90.00	7.8	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Information Systems	85.00	7.6	11	31	1660	17	83	19	13	2	14.5	88	9	74	2.6	12.5	3.8	15.5	323	NA
Engineering	B Engineering (Honours) ● ● ❷	88.00	7.3	12	33	1720	18	83	20	15	2	16.0	90	9	78	2.4	13	4.0	15.9	328	NA
	B Engineering (H)/M Biomed Engineering ●	88.00	7.5	12	33	1720	18	83	20	15	2	16.0	90	9	78	2.4	13	4.0	15.9	328	NA
	B Engineering (H) (Elec)/M Engineering (Elec)	92.00	8.0	15	35	1810	19.5	88	21	16	1	17.0	93	10	82	2.2	13.5	4.6	16.9	338	NA
	B Engineering (H) (Civil with Architecture) ●	90.00	NA	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Science (Food Science & Technology) ●	88.00	7.3	12	33	1720	18	83	20	15	2	16.0	90	9	78	2.4	13	4.0	15.9	328	NA
	B Science (Comp Science) ●	88.00	7.3	12	33	1720	18	83	20	15	2	16.0	90	9	78	2.4	13	4.0	15.9	328	NA
Law	B Law (Dual Degree) ● ❸	94.70	8.5	16	37	1910	21	NA	23	19	NA	18.5	96	13	89	1.6	14.5	5.0	18.1	347	NA
Medicine	B Med MD ● ●	96.00	NA	17	38	1960	22	NA	24	19	NA	19.0	97	14	92	1.4	15	5.3	18.5	349	NA
	B Exercise Physiology	83.00	7.5	10	30	1620	16.5	80	18	12	2	14.0	86	8	70	3	12.5	3.4	15.2	320	69
Science	B Aviation (Flying) ●	75.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Aviation (Management)	75.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Engineering (Materials Science & Engineering) ●	80.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Environmental Management ●	75.00	7.5	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Life Sciences	75.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Medical Science ●	88.00	8.0	12	33	1720	18	83	20	15	2	16.0	90	9	78	2.4	13	4.0	15.9	328	NA
	B Medicinal Chemistry	85.00	7.8	11	31	1660	17	83	19	13	2	14.5	88	9	74	2.6	12.5	3.8	15.5	323	NA
	B Optometry/B Science	95.00	NA	16	37	1930	21	NA	23	19	NA	18.5	96	13	89	1.6	14.5	5.0	18.2	347	NA
	B Psychological Science	82.00	7.5	10	30	1610	16	80	18	11	2	13.5	85	7	68	3	12.5	3.4	15.1	318	67
	B Psychology ●	93.00	8.0	15	36	1840	20	88	22	17	1	17.5	94	11	84	2	13.5	4.6	17.2	340	NA
	B Science ●	79.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Science and Business	85.00	7.5	11	31	1660	17	83	19	13	2	14.5	88	9	74	2.6	12.5	3.8	15.5	323	NA
	B Science (Adv Maths) ●	90.00	8.0	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Science (Adv Science) ●	90.00	7.5	13	34	1770	18.5	85	20	16	1	16.5	92	10	80	2.4	13.5	4.4	16.2	334	NA
	B Science (Biotechnology)	79.00	7.0	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	B Science (International)	82.00	7.8	10	30	1610	16	80	18	11	2	13.5	85	7	68	3	12.5	3.4	15.1	318	67
	B Science (Nanotechnology)	80.00	7.5	10	29	1580	15.5	80	17	10	2	13.0	83	7	66	3.2	12	3.4	14.8	315	64
	UNSW Foundation Studies - Transition Program ●	70.00	NA	8	24	1540	10	70	15	7	3	10	70	5	60	3.2	11	3	2.1	295	62

Direct entry table key and notes

Entry Guide Key

- A number of dual degrees exist. Refer to the Coursework Programs section for details. Admission is determined at the higher entry requirement of the two programs.
- There are limited places available in this program. While offers will be made progressively upon receipt of application, applicants should be aware that strict quotas apply for this program and early submission of application is advised. Scores indicated are a guide to the minimum required.
- Applicants who are required to apply through the Universities Admissions Centre (UAC) and are applying for admission to Engineering may be eligible for the Faculty of Engineering Admissions Scheme. For more information, please see eng.unsw.edu.au/feas
- Special program notes

Aviation (Flying)
This program has compulsory additional selection criteria. All applicants must submit an internal application form to the School of Aviation. During the first year of study, all students must obtain a Class 1 medical from a designated aviation medical examiner and be assessed for ICAO English requirement for pilots.

Music
This program has additional selection criteria. All applicants must pass the UNSW Musicianship test and if successful, submit a performance audition for consideration by the School of the Arts and Media. Further details are available at sam.arts.unsw.edu.au

Medicine
All international applicants are required to sit ISAT. Applicants must also submit an online registration form available from med.unsw.edu.au and read the faculty admissions information carefully.

Optometry
UMAT is required for those residing in countries where it is available – currently this includes Australia, New Zealand, Singapore, United Kingdom and the USA.

UNSW Art & Design
Portfolio Entry Scheme: Students with an entry rank/score just below the cut-off maybe considered for admission based on a successful creative portfolio and academic rank/score.

UNSW Foundation Studies - Transition Program
The UNSW Foundation Studies Transition Program is a pathway for entry into most UNSW Bachelor degrees. For further information about entry requirements, please refer to page 103.

Honours programs
A number of options are available. For further details refer to the faculty website.

Program information

❶ Entry requirements for UNSW Foundation Studies will be confirmed prior to the commencement of UNSW study and at the time of printing are still subject to confirmation from some academic areas.

❷ includes Aerospace, Bioinformatics, Chemical, Civil, Computer, Electrical, Environmental, Geospatial, Mechanical, Mechanical and Manufacturing, Mechatronic, Mining, Naval Architecture, Petroleum, Photovoltaics and Solar Energy, Renewable Energy, Software, Surveying, and Telecommunications.

❸ includes Actuarial Studies, Art Theory, Arts, Arts and Business, Commerce, Computer Science, Criminology and Criminal Justice, Economics, Engineering(H), Fine Arts(H), International Studies, Media, Medicinal Chemistry, Music(H), Planning, Science, Science (Advanced Mathematics), Science (Advanced Science), Science and Business, Social Research and Policy, Social Work(H).

GCE A Levels
Entry requirements are based on the best 3 A Level subjects completed in the same academic year. Scores indicated in the table are derived from the following values: A*=6, A=5, B=4, C=3, D=2 and E=1. A fourth A Level subject may also be taken into account for some programs.

HKDSE
Entry requirements are based on the total points achieved from the best 5 Category A subjects. Mathematics is counted as one subject regardless of whether Extension is taken. Category B and C subjects are not counted. Grades for all subjects except Mathematics are counted as follows: Level 5** and Level 5*=6, Level 5=5, Level 4=4, Level 3=3, Level 2=2 and Level 1=1. Grades for Compulsory Mathematics are counted as follows: Level 5** and Level 5*=3, Level 5=2.5, Level 4=2, Level 3=1.5, Level 2=1 and Level 1=0.5. Grades for Extension Mathematics are counted as follows: Level 5** and Level 5*=4, Level 5=3.5, Level 4=3, Level 3=2.5, Level 2=2 and Level 1=1.5.

Korea Republic College Scholastic Ability Test (CSAT)
Entry requirements are based on overall grades from the standard scores from results in Korean Language, Mathematics and Foreign Language (English). Results in other components are not considered for entry. Must be provided in conjunction with evidence of successful completion of Year 12 secondary studies.

Gaokao
Entry requirements are based on the percentage average of all attempted subjects in the National Higher Education Entrance Examination (Gaokao). Refer to the Gaokao Table (see below) for the maximum marks of each province.

Maximum marks are reviewed annually by the Chinese Government. For more current information, please refer to: international.unsw.edu.au/study/degree-programs/undergraduate/undergradate-degree-entry-requirements/

Province	Indicative Points
Anhui	600 (80%) – 660 (88%) **/ 750**
Beijing	600 (80%) – 660 (88%) **/ 750**
Chongqing	600 (80%) – 660 (88%) **/ 750**
Fujian	600 (80%) – 660 (88%) **/ 750**
Gansu	600 (80%) – 660 (88%) **/ 750**
Guangdong	600 (80%) – 660 (88%) **/ 750**
Guangxi	600 (80%) – 660 (88%) **/ 750**
Guizhou	600 (80%) – 660 (88%) **/ 750**
Hainan	720 (80%) – 792 (88%) **/ 900**
Hebei	600 (80%) – 660 (88%) **/ 750**
Heilongjiang	600 (80%) – 660 (88%) **/ 750**
Henan	600 (80%) – 660 (88%) **/ 750**
Hubei	600 (80%) – 660 (88%) **/ 750**
Hunan	600 (80%) – 660 (88%) **/ 750**
Inner Mongolia	600 (80%) – 660 (88%) **/ 750**
Jiangsu	384 (80%) – 422.4 (88%) **/ 480**
Jiangxi	600 (80%) – 660 (88%) **/ 750**
Jilin	600 (80%) – 660 (88%) **/ 750**
Liaoning	600 (80%) – 660 (88%) **/ 750**
Ningxia	600 (80%) – 660 (88%) **/ 750**
Qinghai	600 (80%) – 660 (88%) **/ 750**
Shaanxi	600 (80%) – 660 (88%) **/ 750**
Shandong	600 (80%) – 660 (88%) **/ 750**
Shanghai	480 (80%) – 528 (88%) **/ 600**
Shanxi	600 (80%) – 660 (88%) **/ 750**
Sichuan	600 (80%) – 660 (88%) **/ 750**
Tianjin	600 (80%) – 660 (88%) **/ 750**
Xinjiang	600 (80%) – 660 (88%) **/ 750**
Xizang (Tibet)	600 (80%) – 660 (88%) **/ 750**
Yunnan	617.6 (80%) – 679.36 (88%) **/ 772**
Zhejiang	648 (80%) – 712.8 (88%) **/ 810**

Singapore A Levels
Entry requirements are based on a maximum of the best three H1 subjects, the best three H2 subjects and one H3 subject. Scores indicated in the table are derived from the following values: H1 – A=2.5, B=2, C=1.5, D=1, E=0.5; H2 – A=5, B=4, C=3, D=2, E=1; H3 – Distinction = 2.5, Merit = 1.5, Pass = 1. An additional H2 or H3 subject may also be taken into account for some applications.

International Baccalaureate (IB)
Results based on scores required for entry into UNSW in 2015 and are only applicable if the Diploma has been completed. Students currently attempting the IB can apply directly to UNSW or through the Universities Admissions Centre (UAC). For more details, visit uac.edu.au

Malaysian STPM
Entry requirements can vary depending upon the number of AL subjects chosen. Table based on four Advanced Level subjects where A=7, A-=6, B+=5, B=4, B-=3, C+=2, C=1.

Canadian OSSD
Ontario Secondary School Diploma based on overall average score including six university preparation courses or university/college preparation courses.

All India Senior School Certificate
Awarded by CBSE, overall grade in best four externally examined subjects where A1=5, A2=4.5, B1=3.5, B2=3, C1=2, C2=1.5, D1=1, D2=0.5.

Indian School Certificate
Awarded by ICSE, overall average on best four externally examined subjects.

Sri Lankan General Certificate of Education
Based on best three A-level subjects where A=5, B=4, C=3, S=1.

SAT
Scholastic Aptitude Test (SAT) based on the total of critical reading, mathematics and writing test scores. Must be provided in conjunction with evidence of successful completion of senior secondary studies.

Malaysian Unified Examination Certificate
Entry requirements are based on overall average of the best five subjects (excluding vocational subjects) where A1=1, A2=2, B3=3, B4=4, B5=5, B6=6, C7=7, C8=8, F9=0.

Forecast or Predicted results
Will be considered from applicants sitting the A Levels or the IB Diploma. Results must be printed on official school letterhead and include the institution stamp and signature of the Principal, Registrar or Academic Director. Results should be dated after 1 January (A Levels and IB) for entry in second semester, and after 1 September (A Levels) for March entry. Applicants who meet the entry requirement with predicted results will be given a full offer. Applicants will be required to submit final results and proof of completion when available. Please note that forecast or predicted results will not be considered for admission to Law, Medicine or Optometry.

Taiwanese General Scholastic Aptitude Test (GSAT)
Entry requirements are based on the total score calculated from results for Chinese, English, Mathematics, Natural Sciences and Social Sciences from GSAT, administered by the Taiwan College Entrance Examination Centre. Must be provided in conjunction with evidence of successful completion of senior secondary studies.

Important information regarding UAC

The Universities Admissions Centre (UAC) processes undergraduate program applications for institutions in the Australian states of New South Wales and the Australian Capital Territory.

Do I need to apply through UAC?
International students who are completing one of the following qualifications must apply through UAC:

a) an Australian Year 12 qualification in Australia OR overseas

b) the International Baccalaureate (IB) in Australia OR overseas (optional)

c) the New Zealand National Certificate of Educational Achievement (Level 3)

If you do not fall into the above categories, you must apply directly to UNSW at apply.unsw.edu.au

How do I apply through UAC?
International students within the above mentioned categories must apply through UAC International uac.edu.au/international. The website will guide you through the process and also has a section with frequently asked questions.

Alternatively, UNSW-authorised agents can assist you with the application process.

During the process, you will receive a UAC application number and UAC PIN. You will need to keep these details to be able to log in to the UAC website to check or change your program preferences and access your offer (should you meet the entry requirements of your chosen program).

When do I need to apply?
Applications for 2016 open in early August. Applications for Semester 1 (February intake) close at the end of October.

Applications for Semester 2 (July intake) close in early June.

Check the UAC website for further information on late applications.

What is the cost to apply via UAC?
There is a non-refundable processing charge payable by credit, debit card or via Paypal. This charge covers applications to multiple programs and universities.

How are my results released to UAC?
UAC requires you to provide your permission to allow your results to be released directly to UAC. Contact your school's IB/HSC coordinator before the UAC deadline to confirm that your school has submitted this request on your behalf.

I am an IB student. Can I receive an offer based on my predicted grades?
Applicants completing the IB Diploma in May can be considered for admission in Semester 2 (July intake) based on predicated grades. You must meet current entry requirements for your chosen program. The statement of predicted grades must:

- Be issued on school letterhead and signed by the Principal, School Director, Deputy School Director or Registrar.
- Include the date of issue, expected date of graduation, expected results release date, predicted mark for each subject undertaken and your predicted total aggregate.

Applicants completing the IB Diploma in November will be considered for admission upon release of official final results. This is because your results will be available in time for the Semester 1 offer cycle.

When will I receive my offer?
Offers for programs are released in:
- December to February for Semester 1 (March intake)
- March to June for Semester 2 (July intake)

Accepted qualifications

Country	Accepted Qualifications	Notes
Africa	B D H	Tanzanian Advanced Certificate of Secondary Education, Uganda Advanced Certificate of Education or ZIMSEC GCE Advanced Level
Argentina	B D	
Australia	B D H	Senior Secondary School Certificate with ATAR or OP
Bangladesh	B4	
Brazil	B D	
Canada	B D H	Canadian OSSD, Canadian Matriculation, or other provincial equivalents
China (PRC)	B D H	National Higher Education Entrance Examination (Gaokao)
Colombia	B D	
Denmark	B D H	Danish Studentereksmen or equivalent
European	B D H	European Baccalaureate Union
Fiji	B D H	Fijian Year 13 Certificate
Germany	B D H	German Abitur
France	B D H	General Baccalaureate
Hong Kong	B D H	Hong Kong Diploma of Secondary Education (HKDSE)
India	B D H	All India Senior Secondary School Certificate or Indian School Certificate (Grade 12)
Indonesia	B D	
Israel	B D H	Israel Teudat Bagrut
Italy	B D H	Italian High School Diploma
Japan	B D	
Jordan	B D	
Korea	B D H	Korea Republic College Scholastic Ability Test (CSAT)
Lebanon	B D H	Lebanese Baccalaureate
Malaysia	B D H	Sijil Tinggi Pelarjaran Malaysia (STPM), Malaysian Matriculation Certificate (Matrikulasi) or Unified Examination Certificate
Mexico	B D	
Norway	B D H	Norweigan Certificate of Completion of Upper Secondary School Examination or equivalent
New Zealand	B D H	National Certificate of Educational Achievement NCEA Level 3
Oman	B D	
Pakistan	B4	
Philippines	B D	Completion of the first year of a Bachelor degree at an approved university otherwise a completed Bachelor degree
Russia	B D	
Saudi Arabia	B D	
Singapore	B D H	Singapore-Cambridge GCE Advanced Level
South Africa	B D H	South African National Senior Certificate
Spain	B D H	Spanish Titulo Bachillerato with Prueba de Acceso a la Universidad
Sri Lanka	B D H	Sri Lankan GCE Advanced Level
Sweden	B D H	Swedish Upper Secondary School Leaving Certificate (Slutbetyg fran Gymnasieskolan)
Taiwan (ROC)	B D H	Taiwanese General Scholastic Aptitude Test (GSAT), or a diploma from Junior College
Thailand	B D H	Thailand Certificate of Secondary Education
United Arab Emirates	B D	
United States Of America	B D H	Scholastic Aptitude Test (SAT) or American College Test (ACT), and evidence of successful completion of high school
Vietnam	B D	

The qualifications listed on this page will be considered for entry into undergraduate programs. Students are assessed on actual results achieved and not simply on completion of their qualification.

For further information or If you have completed a qualification not listed on this page, please contact the UNSW Admissions Office:
T: +61 2 9385 3656
W: enquiry.unsw.edu.au

Other accepted qualifications
Foundation Year Programs
Foundation programs of all Australian Group of Eight universities are recognised. In addition to achieving the required grade point average (GPA) and English language cut off, students must meet additional requirements for entry into some programs.

General Certificate of Education Advanced Level
GCE Advanced Level (A2) subjects only. Comparable qualifications include the Pearson-Edexcel International Advanced Levels and the University of Malta Matriculation Certificate examination.

International Baccalaureate (IB)
Completion of the IB Diploma.

Accepted Qualifications Key

B	Completion of the first year of a recognised university Bachelor degree
B4	Completion of the first year of a 4-year Bachelor degree at a recognised university,otherwise a completed 2-3 year Bachelor degree
D	Completion of a recognised college or polytechnic diploma
H	Completion of a recognised high school qualification

Modern campus in desirable Sydney

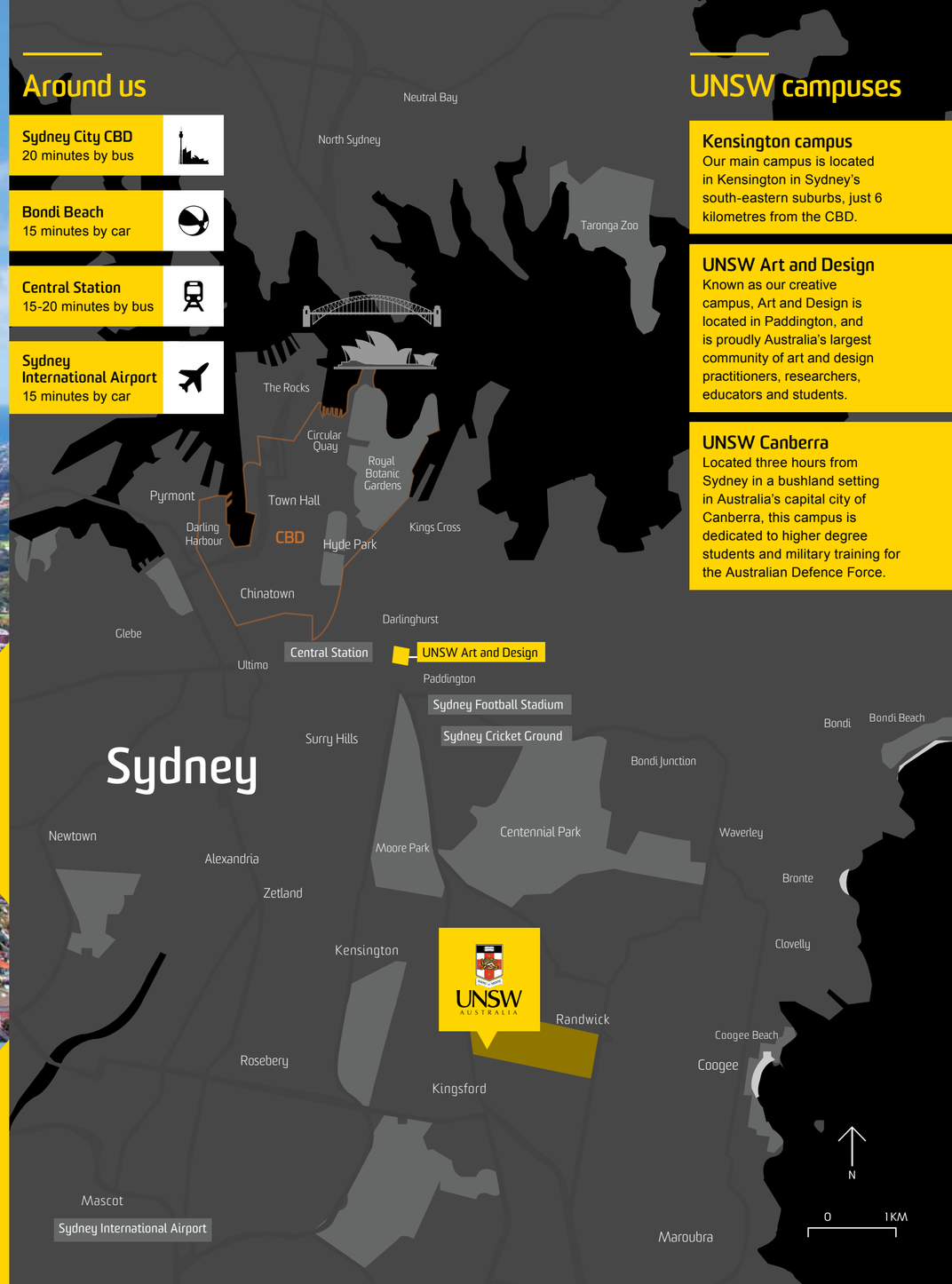
Around us

Sydney City CBD
20 minutes by bus

Bondi Beach
15 minutes by car

Central Station
15-20 minutes by bus

Sydney International Airport
15 minutes by car



UNSW campuses

Kensington campus
Our main campus is located in Kensington in Sydney's south-eastern suburbs, just 6 kilometres from the CBD.

UNSW Art and Design
Known as our creative campus, Art and Design is located in Paddington, and is proudly Australia's largest community of art and design practitioners, researchers, educators and students.

UNSW Canberra
Located three hours from Sydney in a bushland setting in Australia's capital city of Canberra, this campus is dedicated to higher degree students and military training for the Australian Defence Force.

Facilities on campus

Food and entertainment

Bar Navitas
Biblio
Bluestone Cafe
Boost Juice
Bun Me
Campus Village Cafe
Classic Kebab
Coco Cubano
Coffee on Campus Coffee Cart
Exchange Cafe
Gradueat
Guzman Y Gomez
Jewel of India
JG's Café
L'Cinque Café
Library Lawn Coffee Cart
Mamak Village
Max Brenner
Maze Coffee & Food
Moochi
Poolside Cafe
Q Lounge
Quad Food Court
Roundhouse
Satay Delight
Sharetea
Southern Wok
Stellini Pasta Bar
Stockmarket
Subway
Sushi Roll
The Bistro
The Whitehouse
Tropical Green
Uni Bar
UNSW Restaurant
Yummba

Banks and ATMs

ANZ Bank and ATM
Commonwealth Bank and ATMs
RediATM
Westpac ATM

Retail

Arc Graduation and Gift Shop
Australia Post (post office)
New College Village Convenience Store
IGA Supermarket
Secondhand Bookshop
STA Travel Agency
Thoughtful Foods (food cooperative)
UNSW Bookshop
WHSmith

Medical

Chemist/Pharmacy
Dentist
Douglass Hanly Moir
Kensington Physiotherapy and Sports Injury Clinic
Medibank Private
Medical clinic
Optometry clinic
Pathology

Libraries

UNSW Main Library
Law Library

Fitness

Arc Sport
UNSW Fitness and Aquatic Centre
Courts (basketball, badminton, indoor soccer, squash, tennis)
Cricket and football field

Sydney – one of the world's best cities

Australia's largest city and business capital, Sydney is known for its ideal climate, relaxed outdoor lifestyle and friendly locals

Located on the south-east coast of Australia, Sydney is surrounded by beaches and its energetic central business district is positioned on breathtaking Sydney Harbour, meaning a water view is never far away. Sydney was crowned the Australian city with the best living standards and ranked among the top 10 best cities in the world*, making it the number one choice for international students.

*Mercer Quality of Living Survey 2015

The experience of a lifetime

It's no secret that Sydney is world-renowned for its picturesque harbour views and iconic architecture. World-famous attractions include Bondi Beach, Sydney Opera House, Sydney Harbour Bridge, Blue Mountains National Park, Taronga Zoo, Sydney Fish Markets and Sydney Botanic Gardens.

The corporate capital of Australia

The business and intellectual capital of Australia, Sydney is home to more global firms than any other Australian city. Ideally positioned as the gateway to the Asia Pacific, Sydney is consistently voted as one of the most desirable places to live and work in the world. Sydney is where great minds do business.

Endless adventures

Sydney offers a myriad of affordable indoor and outdoor activities. Set off on a beautiful coastal walk, enjoy an Aussie barbeque in a leafy parkland, or ask a local for tips on breathtaking swimming, snorkeling and surfing spots. Sydney is also an ideal base to explore the rest of Australia – it's easy to hop on a train to the Blue Mountains or fly to Melbourne, the Gold Coast and beyond.

Culture and creativity

For something cultural, visit historic museums, contemporary and traditional art galleries, and experience our world-renowned art, music and ideas festivals. Sydney is a fun and inspiring city to explore and study in.

Food and shopping

Sydney is famous for its vibrant food scene and café culture. With thousands of restaurants, cafés and bars, the diversity of cuisine and fresh food is outstanding. Sydney also boasts excellent shopping. From local fashion boutiques and weekend markets to large shopping centres, there is something for everyone.

Sydney's climate

Summer runs from December to February, autumn (fall) from March to May, winter from June to August, and spring from September to November. Generally, Sydney boasts a comfortable temperate climate. The hottest months are January and February, while Sydney's winters are mild.

Getting around

The easiest way to travel to and from UNSW is by modern public buses and trains. In some areas, Sydney is also serviced by ferries and trams. Sydney is an easy city to explore by foot.

For more information, visit:
international.unsw.edu.au/living-sydney/unsw-sydney/

Support services and student life

Our students tell us we are one of the friendliest universities in Australia—UNSW is a place where you'll feel at home. We have modern facilities, societies and social clubs, and an extensive range of dedicated support services you can rely on

Arrival support

From picking you up from the airport, running new arrival workshops and taking you on campus tours, we make sure you feel orientated, safe and well connected. Our dedicated Welcome Centre will be available to help you find all the information you need to settle in.

International student advisers

Make an appointment for personalised advice and information about life at UNSW.

Student Development International

Student Development International offers activities and programs to help international students adapt to life in Australia. These activities include day trips and short holidays and community exchange programs.

Cultural mentors

You can choose to be matched with cultural mentor, a senior UNSW student of your own cultural background. Cultural mentors have been trained to help answer any questions about learning at UNSW, living in Sydney and local Australian culture and customs.

Peer mentors

Once you have arrived, get matched with a peer mentor, an experienced student who can give you insights about your faculty and tips on how to adjust to student life at university.

Academic support

As a UNSW student, you'll get access to free online resources, academic skills workshops and series, individual consultations with peer writing assistants, exam preparation tips and much more - simply book an appointment online.

Looking after **your wellbeing**

Through our Counselling and Psychological Services (CAPS), you'll have the opportunity to talk to a professional counsellor who may be able to assist or help you resolve or manage your situation.

Study areas

Work on your assignments at one of our many indoor computer labs or outdoor study areas, complete with power outlets to charge all your devices. Stay connected to your friends and family with free Wi-Fi throughout the campus.

Language and conversation skills

Improve your English language skills by taking up one of the many programs, workshops, weekly conversation classes or discussion groups available. We also offer one of Australia's leading and most popular language exchange programs. Get matched with other people who speak a language you would like to learn and, in return, teach them a language that you speak.

Religious facilities

Our interfaith religious centre is provided for all UNSW students. Chaplains conduct worship services, lead Bible Studies, hold prayer meetings and offer spiritual counselling. The Islamic Society has an Imam in attendance with meeting and prayer rooms available.

Clubs and **societies**

Joining a club or society is the best way to make new friends. Choose from over 250 student-led clubs and social societies across a range of interests for food lovers, Islamic awareness, running, electrical engineering and telecommunications, biology conservation, the Indonesian community and more.

Student **association**

Arc is our student association – it's run by students for our students. Joining Arc is a great way to get involved. You'll find out about parties and events, and get discounts from partner organisations, free legal advice and assistance with finding a part-time job.

Staying **safe**

Your time at UNSW will be a fulfilling and enjoyable experience in a safe and friendly environment. Our security service provides a 24-hour comprehensive presence across the campus.

Under 18 support

There are specific visa and arrival requirements for students under the age of 18. We recommend that you check these carefully before you apply.

Find out more about student support and student life
guidebooks.international.unsw.edu.au/student-support

SCAN WITH QR READER OR LAYAR APP

Accommodation

Living and studying at UNSW is an unforgettable experience, a time when you'll meet people from all over the world and make lifelong friends. Live within walking distance of your lecture halls, in Sydney's charming eastern suburbs, or find a home located minutes from the beach

Be prepared for your arrival

Living in Sydney will be an exciting change, and if you don't have a confirmed place on campus, we recommend you arrive three to four weeks before classes start to allow enough time to look for accommodation, settle in and attend orientation sessions.

There are a number of accommodation options ranging from on- and off-campus University housing to private rental properties and homestays.

Temporary accommodation

If you require temporary accommodation when you first arrive, try to organise it before you leave home. This can include private hotels, motels, hostels, lodges or furnished apartments ranging from A$45 to A$300 per day.

International Student Housing Assistance (ISHA)

If you need assistance looking for temporary or private accommodation, or if University accommodation isn't available when you apply, Student Development International (SDI) may be able to help: student.unsw.edu.au/housing-assistance

Award-winning accommodation

Our redeveloped and award-winning on-campus accommodation at UNSW Residential Communities means we are now the largest provider of student housing in Sydney. We have six residential colleges, seven self-catered apartment buildings and multiple affiliated communities. Each UNSW College and apartment has its own unique culture and identity to help you become part of a community. For more information, visit: rc.unsw.edu.au

Colleges

Colleges provide a choice of full board, partly catered and self-catered style accommodation. There is also a range of gender options including male only, female only, and mixed male and female accommodation. In most colleges, dietary requirements like halal, kosher and vegetarian can be catered for. For more information or visit: housing.unsw.edu.au

Colleges	Configuration	Catering	Internet	Private bathroom (ensuite)	Weekly rate (2015)
The Kensington Colleges: Basser, Philip Baxter and Goldstein The Kensington Colleges provide a home and foster a strong community with pastoral care, academic mentoring programs, sporting and regular social events.	Single rooms	Fully catered – 21 meals per week	Wi-Fi	Ensuites in some rooms, shared unisex for others	$463 (shared bathroom) $509 (ensuite room)
Fig Tree Hall A culturally supportive, alcohol free college with gender segregated floors and prayer contemplation rooms. If required, dietary needs can be catered for e.g. vegetarian, halal.	Single rooms	Fully catered – 21 meals per week	Wi-Fi	Yes	$509 (ensuite room)
UNSW Hall An older style accommodation, good value for money and the economical option for students.	Single rooms	Part catered – breakfast and dinner	Wi-Fi	No – shared unisex	$329 (shared bathroom)
Colombo House Ideally suited to students who enjoy the benefits of a an integrated community life as well as their independence.	Single rooms	Self catered	Wi-Fi	Yes	$367 (ensuite room)
Creston College Provides accommodation for up to 25 undergraduate and postgraduate full-time female students.	Single rooms	Fully catered – 21 meals per week	Wi-Fi	Private ensuite bathroom in some rooms, shared bathrooms for others	$370 (shared bathroom), $400 (ensuite room)
International House For full-time students in their second year of undergraduate studies or above.	Single rooms	Fully catered – 21 meals per week	Wi-Fi	Yes	$280 (ensuite room)
New College NewCollege is well-known for its vibrant community, academic excellence, pastoral care and Christian Foundations. It welcomes all people.	Single rooms	Fully catered – 21 meals per week	Wi-Fi and wired	Private ensuite bathroom in some rooms, shared single sex bathrooms for others	$448 (shared bathroom), $504 (ensuite room)
Shalom College Warm and friendly, diverse, multi-cultural community open to undergrad and postgrad students.	Single rooms	Fully catered – 19 meals per week	Wi-Fi	Ensuite rooms and rooms with shared single sex bathrooms available	$429 (shared bathroom), $499 (ensuite room)
Warrane College Open to male students at UNSW.	Single rooms	Fully catered – 21 meals per week	Wi-Fi and wired	Shared bathrooms	$420 (shared bathroom)

(Accommodation costs are subject to change and are indicative only.)

Apartments

Apartments provide independent-style accommodation for undergraduates, postgraduates, couples and families with children. Apartments can come furnished with a kitchen and bathroom.

Costs will vary depending on the number of rooms, condition and location. For more information or visit housing.unsw.edu.au

Apartments	Configuration	Catering	Internet	Private bathroom (ensuite)	Weekly rate (2015)
University Terraces Affordable student accommodation, including ground floor cafes and bars — right where the action is! Large communal kitchen and lounge for students to socialise.	Studio and 1 bedroom apartments	Self catered	Wi-Fi	Yes	$366 – $469 per apartment
Barker Apartments On-campus, shared independent living. Smaller apartments available for couples and families with children.	2, 3 and 5 bedroom apartments	Self catered	Wired	No – shared unisex	$249 – $583 per student
Mulwarree Apartments Located close to campus, shared independent living.	5 bedroom apartments	Self catered	Wi-Fi	No – shared unisex	$223 per student
High Street Apartments Close to the university with a family environment, preference given to couples and families.	1 and 2 bedroom apartments	Self catered	Wi-Fi	No – shared unisex	$382 – $541 per apartment
New College Village Quality, fully furnished, air conditioned secure accommodation for postgraduates and selected undergraduates on lower campus.	Single room apartments and studios	Optional catering	Wi-Fi and wired	Yes	$358 per apartment $394 per studio
UNSW Village A range of fully furnished, stylish and contemporary apartments that are conveniently located on campus.	1 bedroom studios and 1 - 8 bedroom apartments	Self catered	Wi-Fi and wired	Ensuite bathrooms in some rooms, shared unisex bathrooms for others	$264 – $425 per student
UniLodge @ UNSW Located only ten minutes from UNSW Kensington Campus ,with a choice of fully furnished studio and shared serviced apartments with 24-hour security and a live-in manager.	Studio and 2 - 5 bedroom apartments	Self catered	Wi-Fi and wired	Ensuite bathrooms in some rooms, shared bathrooms for others	$389 - $480 per student

(Accommodation costs are subject to change and are indicative only.)

Private accommodation options

From apartments to rooms in houses, private accommodation options give students the chance to experience an independent lifestyle, with complete control over expenses, housemates and location.

Rental property

There are lots of properties available for rent in the suburbs surrounding the University. Costs vary according to the number of bedrooms, condition and location. When renting, you can expect to sign a 6 or 12-month lease and pay rent in advance, plus a security deposit called a ‘bond’. Rental properties can come furnished and unfurnished and additional expenses like electricity, gas, telephone and Wi-Fi are not included. Costs vary, but usually range from A$150 – A$300 per student per week in a shared house.

Homestay - Full board and room-only

Homestay options include full board and single room-only accommodation. Full board usually includes a furnished room, use of facilities in the private home of a family or single person plus breakfast and dinner, and some may also include bed linen, a laundry service and weekly room cleaning. Single room-only homestays include a furnished room, gas and electricity expenses, and you’ll be responsible for providing your own food, cooking, cleaning, laundry and telephone costs. Costs vary, but usually range from A$180 – A$305 per student per week.

For more information, view our online database of private accommodation: studystays.unsw.edu.au

Alternative entry pathways

There is more than one way to gain entry to UNSW. To be eligible, you will need to successfully meet both the academic entry requirements and the English language requirements

Application form:
You can find an application form for UNSW Institute of Languages on page 116 of this guide.

Contact us
223 Anzac Parade, Kensington,
Sydney NSW, 2052, Australia
T: +61 2 9385 5396
F: +61 2 9662 2651
E: admissions@unswglobal.unsw.edu.au
W: languages.unsw.edu.au

Academic entry requirements

High School Studies

Direct entry applicants to UNSW must hold high school qualifications that are acceptable to UNSW for admission. As a minimum, you must have a qualification considered to be equivalent to a Year 12 qualification (completion of high school) in Australia. Some of the qualifications accepted by UNSW are listed on page 90. If your qualifications are not listed, contact the UNSW Admissions Office to check whether your qualifications are recognised: enquiry.unsw.edu.au
Direct Entry Table: page 87

UNSW Foundation Studies

UNSW Foundation Studies can be completed by students who do not meet UNSW entry requirements or whose high school qualifications are not recognised by UNSW. After completing Foundation Studies in the appropriate academic stream, if you achieve the grade point average and the English language test result required for entry into the UNSW program, you will qualify for a place to study at UNSW. UNSW Foundation Studies: page 107 and 108 or visit ufs.unsw.edu.au

Recognised Prior Study

Prior study can be recognised for applicants who have graduated with diplomas from recognised institutions – this is called articulation. Entry is based on academic achievement during your diploma studies. If you intend to use a diploma as a pathway to UNSW, we recommend that you confirm accreditation before committing to a study program. The UNSW Admissions Office can confirm whether your study can be recognised: enquiry.unsw.edu.au
Refer to the online articulation tool: articulation.unsw.edu.au

University transfer

To transfer from your current university to UNSW you must have completed at least one year of a Bachelor degree at a recognised university. Entry will be based on academic results achieved during these studies. Some faculties will also consider final year high school qualifications plus results from one year of university study. The UNSW Admissions Office can confirm whether your university studies can be recognised: enquiry.unsw.edu.au

You may also be able to transfer credit for subjects you have already studied. Refer to the online credit transfer tool: credittransfer.unsw.edu.au

English language entry requirements

Evidence of English Language ability

If English isn't your first language, you must provide evidence that your English language ability meets our requirements. This means that you must submit results from an acceptable English language test taken in the last two years prior to starting study at UNSW. See our English language requirements policy: unsw.edu.au/elp

International English language testing system (IELTS) - Academic

Overall minimum score of 6.5 with a minimum score of 6.0 in the sub-tests of listening, reading, speaking and writing is required. www.ielts.org

Test of English as a foreign language (TOEFL)

Internet-based test: overall minimum score of 90 with a minimum in writing of 24. Paper-based test: overall minimum score of 577 with a minimum score of 5.0 in the Test of Written English.
www.ets.org/toefl

University English Entry Course (UEEC)

Intensive English language course conducted at UNSW Institute of Languages. Minimum accepted score: C+ (grade point 7.0) with a minimum of 20 in the writing component. Some UNSW programs require a higher grade.
languages.unsw.edu.au/courses/academic-english/the-university-english-entry-course

Pearson Test of English Academic

Overall minimum score of 68. UNSW also accepts a number of academic qualifications and other English tests as meeting the English language requirements. For information about these qualifications and the full English language requirement policy visit: unsw.edu.au/elp
Direct Entry Table: page 87

UNSW Institute of Languages

Study with UNSW Institute of Languages to meet the English language entry requirements to start your UNSW degree. UNSW Institute of Languages offers a comprehensive range of English language programs which cover academic English, general English and professional English. Programs are developed and delivered by highly qualified and experienced teachers who are specialists in teaching English. They will help you achieve the language skills needed for your academic and career success. Demand for programs is high, and we recommend that you apply at least three months before your intended start date for a UNSW Institute of Languages program. For more information visit:
languages.unsw.edu.au

Foundation English Entry Course (FEEC)

If you are planning to enrol in UNSW Foundation Studies prior to starting a Bachelor degree, this intensive English course offers you a direct pathway to meeting the English language entry requirements. You will not need to retake an IELTS or similar exam after successfully completing the FEEC program.
languages.unsw.edu.au/courses/academic-english/feec

University English Entry Course (UEEC)

This intensive English course may help you get into your UNSW degree sooner. On successful completion of UEEC, you will be accepted into the relevant UNSW degree without having to retake an IELTS or similar exam. Course material is based on UNSW resources and enhanced through the use of online learning and teaching activities. Minimum accepted score: C+ with a minimum of 20 in the writing component. Some UNSW programs require a higher grade.
languages.unsw.edu.au/courses/academic-english/theuniversity-english-entry-course

Tertiary Orientation Program

If you already meet the English language entry requirements for UNSW but need to gain confidence or improve your English skills for an academic environment, you may want to take this intensive five-week course before starting your UNSW degree. It will also give you the chance to settle into Sydney, familiarise with the local accent and meet fellow students.
languages.unsw.edu.au/courses/academic-english/tertiaryorientation-program

Term Dates	2015 Dates	2016 Dates
Term 1	5 Jan – 6 Feb	4 Jan – 5 Feb
Term 2	9 Feb – 13 Mar	8 Feb – 11 Mar
Term 3	16 Mar – 17 Apr	14 Mar – 15 Apr
Term 4	20 Apr – 22 May	18 Apr – 20 May
Term 5	25 May – 26 Jun	23 May – 24 Jun
Term 6	29 Jun – 31 Jul	27 Jun – 29 Jul
Term 7	3 Aug – 4 Sept	1 Aug – 2 Sept
Term 8	7 Sept – 9 Oct	5 Sept – 7 Oct
Term 9	12 Oct – 13 Nov	10 Oct – 11 Nov
Term 10	16 Nov – 18 Dec	14 Nov – 16 Dec

You can find an application form for UNSW Institute of Languages on page 116
Course Fee: for fee information please see languages.unsw.edu.au

Foundation Studies

Complete our foundation program to meet the academic entry requirements to start your degree at UNSW

UNSW Foundation Studies was established in 1988 and is the longest running and leading provider of pre-university programs in Australia. You'll learn high-level academic skills needed for a smooth transition into UNSW undergraduate studies.
If you are an international student who successfully completes a UNSW Foundation Studies program, you will have a guaranteed place in a UNSW bachelor degree. Further conditions may apply to some programs, for more information, contact: admissions@unswglobal.unsw.edu.au

Why study with us?

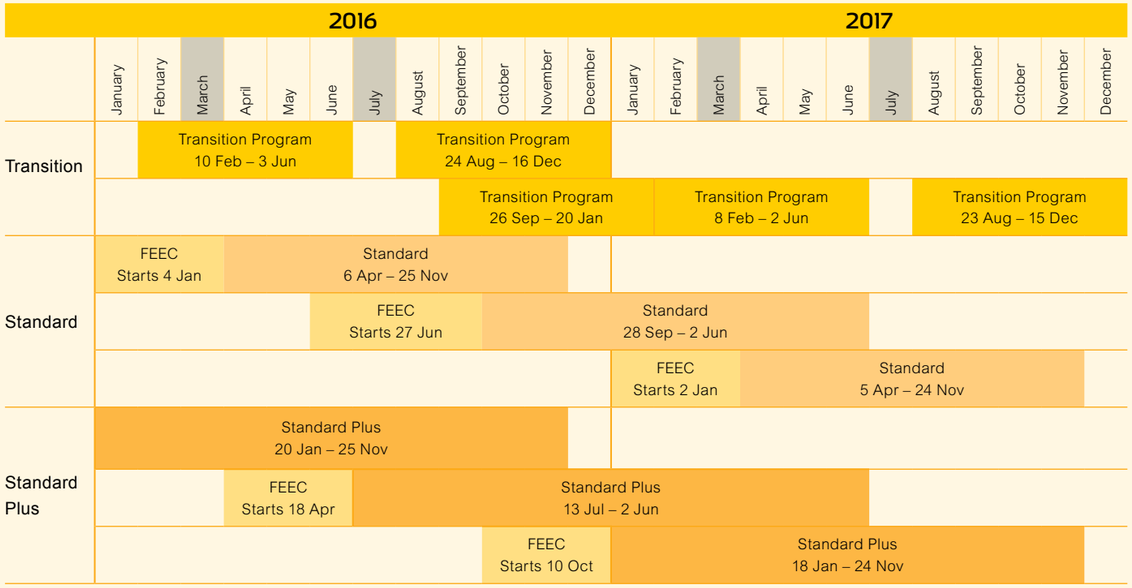
- The prestigious UNSW Foundation Studies programs are accredited academic programs of UNSW – guaranteeing your place to study your UNSW degree upon successful completion.
- Over 20,000 international students have graduated from UNSW Foundation Studies and we're proud to have a high record of success, with over 85% of our students qualifying for entry to university.
- Our teaching style follows university practice with lectures and tutorials. Most tutorial classes have about 18 students, so students receive close attention.
- Extra one-on-one consultation sessions with teachers are offered outside class time to help you achieve your academic goals.
- You'll participate in class activities which help develop your presentation skills and give you greater confidence in speaking English.
- UNSW Pathway Packages are available to give you a seamless study pathway which combines UNSW Institute of Languages (if additional English language training is required), UNSW Foundation Studies and UNSW Bachelor degrees – all on one visa.
- Accommodation is offered at our UNSW Foundation Studies UniLodge, just a five minute walk from campus. See page 101.

Transition Program (4 months)	This intensive, one semester program is recommended if you have very strong English language skills and have graduated from high school. You will need a senior high school qualification such as A-Levels, International Baccalaureate Diploma, GaoKao or HKDSE, plus IELTS of 6.0 or equivalent. **2016 PROGRAM FEE: A$18,850**
Standard Foundation Program (9 months)	This two semester program is recommended if you have strong English language skills and strong academic results. You will have completed 11 or 12 years schooling plus IELTS of 5.5 (minimum 5.0 on individual scores) or equivalent. An offer can be made on the basis of your Year 11 or Year 12 Semester 1 results. **2016 PROGRAM FEE: A$28,000**
Standard Plus Program (12 months)	This extended, two semester program is recommended if you have good English language skills and good academic results but would like a steady pace of study. You will have completed 11 years of schooling (primary and secondary) plus IELTS of 5.5 or equivalent. An offer can be made on the basis of your Year 11 or Year 12 Semester 1 results. **2016 PROGRAM FEE: A$32,850**
Foundation English Entry Course (2 months)	If you have just missed out on the English entry requirement for a Foundation Studies program, you can enrol in a 10-week Foundation English Entry Course followed by either the Standard or Standard Plus program. You will need an IELTS of 5.0 or equivalent to apply for this packaged program. For more details including fees contact: admissions@unswglobal.unsw.edu.au

Application form:
You can find an application form for the UNSW Foundation Studies on page 118

Contact Us
223 Anzac Parade, Kensington,
Sydney NSW, 2052, Australia
T: +61 2 9385 5396
F: +61 2 9662 2651
E: admissions@unswglobal.unsw.edu.au
W: ufs.unsw.edu.au

Academic programs calendar



= UNSW Degree Begins |

Please refer to our website ufs.unsw.edu.au/academic-programs/dates-and-fees for course fees.

Academic and English Language Entry Requirements to UNSW Foundation Studies

	China	International Baccalaureate	British System	Hong Kong	Other Qualifications	English Language Requirement
Transition Program	**Gaokao** 70% of overall score 65% of overall score from some provinces	24 points over 6 subjects from IB 2 year diploma	**GCE A levels** 8 points: A=5, B=4, C=3, D=2, E=1	**HKDSE**15 points over best 5 subjects from category A only	Contact UNSW Foundation or visit: ufs.unsw.edu.au/academic-programs/entry-requirements	**IELTS** 6.0 with 5.5 in writing (or equivalent)
Standard Foundation	Senior 3 (year 12) 80% average Senior 2 (year 11) 90% average	Year 2 of the Diploma/ Certificates with 12 points over 4 subjects	**IGCSE O levels** B grade average	**HKDSE** 11 points over best 5 subjects from Category A only		**IELTS** 5.5 with no band score less than 5.0 (or equivalent)

* If you are not eligible for the transition and standard programs (see above), you are welcome to apply for the standard plus program.

How to apply

Join over 52,000 of the world's best students at a top 50 world university

1 Choose your program
Make sure it suits your interests, skills and career goals. The necessary information is in this guide and you can also check the Online Handbook at handbook.unsw.edu.au

2 Check the program entry requirements
You can find the entry requirements for your chosen program on page 87.

3 Submit your application online
To do this, visit Apply Online: apply.unsw.edu.au. Supporting documents should be uploaded during the online application process. Refer to Apply Online for details of the documentation required for your application.

You will need to supply the following documents:
- Copies of academic transcripts and testamurs (if not in English a NAATI approved translation must be provided). More information can be found at unsw.edu.au/document-certification
- Copies of IELTS or TOEFL (or equivalent) test scores.

4 Track your application
Once you have submitted your application you will be able to track its status online at apply.unsw.edu.au/apply/onlineAppTrackInfo.html

You will also be able to upload any additional documents required to process your application.

5 We will send you a letter of offer
You will be advised of the outcome of your application via email. If you are receiving assistance with your application your nominated representative will also receive a copy.

6 Accept your offer
To do this, go to: gettingstarted.unsw.edu.au/accept-or-defer-your-offer and follow the instructions in your offer letter. Once we receive your acceptance, you will be sent your electronic confirmation of enrolment (eCoE).

7 Enrol online
To do this, go to gettingstarted.unsw.edu.au
After you have accepted your offer you will need to enrol into your chosen courses.

2016 Dates

	Semester 1	Semester 2
Coursework applications deadline	30 Nov 2015	31 May 2016
Orientation dates	22 Feb – 26 Feb 2016	20 Jul – 22 Jul 2016
Semester dates	29 Feb – 27 Jun 2016	25 Jul – 22 Nov 2016

Admissions Office
UNSW Australia
Sydney, NSW 2052 Australia
T: +61 2 9385 3656 | F: +61 2 9385 9437
W: enquiry.unsw.edu.au

Scholarships

We offer a range of highly sought after scholarships for eligible international students. Apart from rewarding academic excellence and exceptional research potential, our scholarships also recognise and assist students for a variety of other reasons

UNSW coursework program scholarships

Some of our scholarships for international undergraduate coursework programs include:

Golden Jubilee Scholarship
UNSW has a close relationship with selected polytechnics in Singapore and Malaysia, and these scholarships recognise the most outstanding students from each of the participating institutions. Successful applicants will receive a full tuition scholarship for up to 96 units of credit (two years) to continue their studies at degree level at UNSW.

UNSW Hong Kong Alumni Award
Established to assist residents of Hong Kong who aspire to contribute to the betterment of society without particular regard for their own personal or commercial gain. This scholarship is valued at A$4,000, for one year.

UNSW Sports Scholarships
UNSW encourages talented athletes to apply for the UNSW Elite Athlete Support Program. It provides access to the very best sporting facilities and flexible study support.

What other kinds of scholarships are available?

There are many scholarships available that are offered by organisations other than UNSW, including the Australian government, industry partners, and organisations in your home country. These are often only available to students from certain countries, and include:

Australian Government Scholarships
Australia Awards Scholarships
www.australiaawards.gov.au

1 Go to: scholarships.unsw.edu.au

2 Search for Scholarships.
Select 'International' in the Residency search box and press the search button to display a list of available scholarships. Read the descriptions and selection criteria to find which ones you are eligible for.

3 Register your details by clicking the register button
To avoid your registration from expiring, you must confirm it within three hours.

4 Complete and submit your scholarship application
Please check the application requirements as some scholarships may have specific questions or require supporting documentation.

UNSW Australia has many scholarships open to International students and new opportunities come up all the time. We recommend that you check our website regularly.

If you're eligible for any scholarships, we encourage you to take the time to apply. Feel free to apply for as many scholarships as you wish. To be considered for a scholarship, you must submit a separate application in addition to your enrolment at UNSW, and we require you to have a satisfactory English language test result.

For more information about UNSW Scholarships visit:
scholarships.unsw.edu.au

Tuition fees and other expenses

Just as each degree is different, so are the costs. This guide will help give you an idea of what your fees could be

Tuition fees for undergraduate coursework programs

* Indicative fee only.

Faculty	2015 (A$/UOC)	2016 (A$/UOC)*
Arts and Social Sciences	$605	$640
International Studies	$635	$675
Performing Arts	$645	$680
Education	$655	$695
Social Work	$605	$640
Business School	$750	$795
Built Environment		
All coursework programs except the B Architectural Studies program	$675	$715
B Architectural Studies program	$720	$765
B Ind Design / B Int Arch program	$665	$705
Art & Design	$605	$640
Engineering	$780	$825
Law	$740	$785
UNSW Medicine		
B Med/ MD program	$1,240	$1,315
Non B Med/ MD program	$790	$845
UNSW Science	$780	$825

Because each student's study choices are different, it's impossible to provide a definitive cost of studying at UNSW. But here are a few things to consider when calculating your expected fees.

Fees are course-based

Fees for international students are set according to the course (subject) and not the program. The fees reflect the relative cost of delivering the course. For example, a science course is likely to cost more than an arts course. For that reason, your total tuition fees will vary depending on which courses you choose.

Fees vary each year

Fees for programs fluctuate from year to year. The tuition fees listed above are for students in 2015. The fees listed for 2016 are indicative only; these fees may change during the program. Actual fees for 2016 will be released in late 2015. my.unsw.edu.au/student/fees/TuitionFees.html

Fees are charged based on the year of commencement

For example, if you start in Semester 2 (July) 2015, the fees for the first semester will be calculated at 2015 rates. Your second semester will be calculated at 2016 rates.

If you are required to complete a course again, you will be charged at the rate applicable to the year you re-take the course.

Estimating your tuition fees

While it isn't possible to give a fixed annual fee for each program, it is possible to provide an estimate.

Estimates for each program are outlined in the Coursework Program section, starting on page 47.

You can also calculate your own expected fees on the following page. Most programs will require 48 units of credit (UOC) per year. Most courses (subjects) are 6 UOC.

General education course fees are charged at the rate set by the relevant faculty. As an example, GENT0803 – Introduction to Australian Cinema will be calculated using the Faculty of Arts and Social Sciences rate.

For more information about the UNSW fees policy, including refund of fees and overpayments, visit: my.unsw.edu.au/student/fees/FeePolicyInternational.html

Other study-related costs

Some programs and courses have costs, which are additional to the tuition fees, for expenses like laboratory kits, equipment and field trips. Textbooks are not considered compulsory, but we recommend budgeting around A$1,000 per year for books.

An estimate of your total costs (tuition and other study-related costs) will be shown on your Confirmation of Enrolment Form (CoE) that will be issued on acceptance of an offer of admission to UNSW.

Fees and cost calculation

*As an example for: Bachelor of Arts (Specialising in Philosophy and Psychology)

	2015			2016			2017		
Courses	**A$/UOC**	**UOC**	**A$/FEE**	**A$/UOC**	**UOC**	**A$/FEE**	**A$/UOC**	**UOC**	**A$/FEE**
Psychology	$780	12	$9,360	$825	18	$14,850	$875	24	$21,000
History	$605	12	$7,260	-	-	-	$680	6	$4,080
Philosophy	$605	12	$7,260	$640	18	$11,520	$680	12	$8,160
Politics	$605	12	$7,260	$640	6	$3,840	-	-	-
General Education (Art & Design)	–	–		$640	6	$3,840	$680	6	$4,080
Total	–	48	$31,140	–	48	$34,050	-	48	$37,320
Total tuition fees (A$)									**$102,510**

* Indicative fee only.

Other study costs (approximate)	$1,000
Living costs (including set up costs)	$22,000
OSHC 1 year (2015)	$585
Total expected first year costs	**$54,725**

Living costs

Living costs vary depending on each student's specific requirements. We estimate a single international student will need about A$20,000 per year to cover general living expenses. This doesn't include the costs of large non-essential items like electrical equipment or a car.

In addition, you will need at least A$2,000 when you arrive in Sydney to cover initial expenses such as a rental bond payment (security deposit), electricity, gas and telephone connection fees and basic furniture and household items.

Overseas student health cover

If you are in Australia on a student visa you will need to pay for health insurance through the Overseas Student Health Cover (OSHC) scheme and maintain insurance for the full duration of your visa.

All international students must be covered by health insurance from the date they arrive in Australia until the date they depart, regardless of when they start or complete their program. It is your responsibility to ensure your health insurance policy matches your arrival and departure dates.

The only exception is for students from Belgium, Norway and Sweden who are covered by CSN or Kammarkollegiet. These students will need to provide proof of official health insurance cover from their home government provider.

There are five registered providers of OSHC

Medibank (UNSW's preferred health cover provider), BUPA Australia Health, Worldcare, NIB OSHC and Australian Health Management.

Medibank OSHC will pay benefits towards your medical and hospital treatment, medically necessary ambulance transport and most prescription medicines. Just be aware that there may be some exclusions for pre-existing conditions and you may have to serve a waiting period to receive certain services.

Certain services are not covered by Medibank's policies. These include optical, physiotherapy, dental and certain pharmaceuticals. If you want to be covered for these expenses, you will need to take out additional insurance.

US financial aid

We're authorised to help approved citizens of the United States extend their national student loans. If you are eligible for this support, the UNSW Financial Aid Office will be able to explain this to you.

For more information, visit: international.unsw.edu.au/study/financial

Canadian student loans

If you are from Canada, we can help you extend funding from your Canada or Provincial Student Loan to cover study programs here at UNSW. We can also assist with confirmation of enrolment forms after you have applied.

UNSW staff in your country

UNSW International Centre

East Wing, Red Centre
UNSW Australia
Sydney NSW 2052

T: +61 2 9385 6996
F: +61 2 9385 9907
E: unsw@prospectivestudent.info
W: international.unsw.edu.au

UNSW representatives

We have UNSW representatives in 500 offices across more than 60 countries around the world.
international.unsw.edu.au/contact

UNSW offices outside Australia

China office
32D, No.1 Zhujiang Plaza,
Zhujiang Road, Nanjing,
Jiangsu Province 210008,
P.R.China
T: +86 25 8359 1551
E: china@unsw.edu.au

Hong Kong office
Unit 2006, 20th Floor, Kinwick Centre
32 Hollywood Road, Central
Hong Kong
T: +852 2841 2800
F: +852 2588 1724
E: info@unsw.com.hk

Singapore office
10 Anson Road,13-07 International
Plaza, Singapore 079903
T: +65 6227 8921
F: +65 6220 3026
E: info@unsw.com.sg
W: singapore.unsw.edu.au/about/contact-us

Vietnam office
Ho Chi Minh City
5th Floor, Lucky Star Building
102 Bis Le Lai, District 1
Ho Chi Minh City
T: +84 8 3925 2679
F: +84 8 3925 6765
E: info.hcmc@unsw.edu.vn
W: unsw.edu.vn

UNSW International regional contacts

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T: +86 25 8359 1551
E: rachel.wei@unsw.edu.au

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T: +62 811 980 964
E: n.syarbini@unsw.edu.au

Malaysia – Soon Choo Chua
T: +60 (3) 3319 2811
E: soonchoo.chua@unsw.edu.au

North America – Ashley Waggener
T: +1 202 577 9216
E: a.waggener@unsw.edu.au

North Asia – Jen Zee
T: +852 2841 2806
E: j.zee@unsw.edu.au

South Asia – Ashok Mathews
T: +91 99029 11151
E: a.mathews@unsw.edu.au

Mekong Region – Don Evans
T: +84 8 3925 2679
E: drevans@unsw.edu.vn

Apply online data entry form

UNSW AUSTRALIA

This form is to record your details at a recruitment event. Once completed, this form should be submitted to your agent within two weeks of the event. This is NOT an application form. Please do not send this form to UNSW. To apply, please go to apply.unsw.edu.au

1. Personal Details

If you have applied to UNSW before, what is your student ID:

Family name:

First given name:

Second given name:

Date of birth (dd/mm/yy): Gender: ☐ M ☐ F

Country of residency: Country of citizenship:

Are you an Australian permanent resident? YES ☐ NO ☐ If yes, provide your visa number:

Email address (compulsory):

Home phone number:

Daytime phone number:

Mobile phone number:

Mailing address (This is the address the University will send all correspondence to):

Residential address (This is the address where you currently live. Please do not use a PO Box address):

OFFICE USE ONLY – Fee Waiver Code

UNSW ONLINE APPLICATION FEE (non-refundable)

A$100 unless a fee waiver code has been provided by a UNSW representative or staff member at a recruitment event, or by your agent.

2. Visa Details

What visa type will you hold during your studies? (eg. student visa)	
If you require a student visa, in which country will you be applying for the visa?	
Which Australian Immigration Office will you be applying for the student visa? (eg. Australian Embassy Berlin)	
If you currently have a passport, what is the passport number?	
If you currently hold an Australian visa, what is the visa number (as it appears on your passport)? This information is required if you intend to submit your application for a student visa to a DIBP (Immigration) office in Australia.	

3. Program Preferences – you may nominate up to three coursework program choices.

Preferred year of study: Preferred semester: Semester 1 (February) ☐ Semester 2 (July) ☐ Study mode: Full-time ☐ Part-time ☐

Preference	Program code e.g. 8404	Program name: e.g. Master of Commerce	Specialisation: e.g. Finance
1st			
2nd			
3rd			

4. Sponsorship

If your tuition fees will be paid by an organisation that has an established official sponsorship agreement with UNSW, please provide the details below. If you are being sponsored, you must submit documentary proof of your sponsorship agreement to UNSW. Defence funding for UNSW Canberra students does not need to be recorded below.

I will be sponsored: YES ☐ NO ☐

If yes, my sponsor details are: (organisation, country)

5. English Language Proficiency – for further details please visit, unsw.edu.au/elp

English is my first language.	YES ☐ NO ☐
OR the sole language of instruction and assessment in my Degree or diploma (within the last 2 years) was English. Please note that these studies must have been for a minimum duration of one year full-time.	YES ☐ NO ☐
OR I have been or will have been a resident in one or more English speaking countries for a period of at least five years immediately prior to the commencement of my program at UNSW.	YES ☐ NO ☐
OR I hold a certificate of English proficiency from an approved test (e.g. IELTS or TOEFL) undertaken within the last two years.	YES ☐ NO ☐

This is NOT an application form. Please do NOT send this form to UNSW. To apply, please go to apply.unsw.edu.au

5. English Language Proficiency – for further details please visit, unsw.edu.au/elp

If yes, Test name: Test score:	Test date: / / (dd/mm/yy)
OR I will be sitting a test: Test name:	Test date: / / (dd/mm/yy)

Please note that you can apply for admission without having satisfied UNSW's English language requirements and you may be eligible to receive a Conditional offer. A confirmed offer will not be issued until all requirements have been met.

6. Admissions Qualifications – Please complete the relevant section

6.1 Application for undergraduate programs – If you are applying for postgraduate programs, you do not have to provide these details.

Country in which I attended high school:	
Name of qualification:	
Name of institution:	
Have you been awarded this qualification?	YES ☐ NO ☐
If yes, what was your score or grade?	
Date qualification was/will be awarded:	/ / (dd/mm/yy)

6.2 Application for postgraduate programs

Study level (e.g. undergraduate, postgraduate):	
Country:	
Name of institution:	
Qualification awarded:	
Have you completed this qualification?	YES ☐ NO ☐
If yes, what was your score, GPA or overall achievement?	
Dates of study:	From: / / To: / / (dd/mm/yy)
Date qualification was/will be awarded:	/ / (dd/mm/yy)
Honours category (if relevant):	
Are you seeking credit for any of the above tertiary study?	YES ☐ NO ☐

7. Other qualifications held – if not appropriate, do not complete this section

Please include details of other qualifications and/or memberships of professional bodies relevant to your application. e.g. Institute of Chartered Accountants (ICAA) or Engineers Australia (IEAust).	1.
	2.

8. Employment details: Complete this section if you are applying for a program that includes work experience as one of the criteria for admission. You should provide details of your current/most relevant employment here. Otherwise, leave this section blank.

Description of relevant position:

Division/Department (if applicable):

Company/Organisation:

Number of years of professional/management experience:

9. Declaration and signature

I declare that the information declared on this form is complete and correct. I authorise the University to obtain information from any educational institution previously or currently attended by me. If any information supplied by me is considered to be untrue, incomplete or misleading in any respect, I understand the University may take such action as it believes necessary including the disclosure of the information to any person or body the University considers has a legitimate interest in receiving it and I consent to such disclosure. I understand the University reserves the right to vary or reverse any decision made on the basis of untrue, incomplete or misleading information. I have made this application having had access to sufficient information regarding UNSW programs, courses, fees, costs, facilities and services. I understand the University reserves the right to make alterations to any matter offered in this publication without notice and that this agreement does not remove my right to take further action under the Australian consumer protection laws.

Name (Print): Date:

Signature:

This is NOT an application form. Please do NOT send this form to UNSW. To apply, please go to apply.unsw.edu.au

CRICOS PROVIDER CODE: 00098G

UNSW Institute of Languages
Application form

UNSW Global AUSTRALIA

Before completing the application form, please visit: languages.unsw.edu.au or the current UNSW Institute of Languages booklet for the entry requirements. You can also apply through our new online application form.
We will endeavour to place you in your requested course/s. If you do not meet the entry requirements, or there are no longer places available, where possible, we will offer you an alternative pathway best suited to your needs and chosen study plan.

1. Personal Details (as in passport)

Family Name Given Name

Other Names (i.e. your English name, if any):

Date of Birth: (DD/MM/YYYY) / / Gender Male ☐ Female ☐

Country of Birth: Nationality: Passport No.:

Please attach a copy of the first page of your passport which shows your photograph.

Will you be under 18 on arrival? Yes ☐ No ☐

*Please note: if you are under 18 years of age on commencement of study, certain visa regulations apply.

2. Emergency Contact Details

Family Name Given Name

Relationship Mobile

Telephone Email

3. Citizenship

Are you a citizen of Australia ☐ Yes* ☐ No New Zealand ☐ Yes ☐ No

Are you a temporary resident of Australia ☐ Yes* ☐ No New Zealand ☐ Yes ☐ No

Are you a permanent resident of Australia ☐ Yes* ☐ No New Zealand ☐ Yes ☐ No

*If you ticked Yes to any of the above questions, you will need the following: Attach evidence of Australian Citizenship/Permanent Residency status
If you ticked a box with an asterisk (*), you will need Overseas Student Health Cover (OSHC). This can be arranged by UNSW Institute of Languages in section 8.

What type of visa will you be applying for? ☐ Student ☐ Student Dependant ☐ Tourist ☐ Working Holiday

4. Correspondence Address (of student)

Address

City State/Province Country Postcode

Telephone Email

5. English Programs

Academic English Pathways

☐ Academic English ☐ Tertiary Orientation Program (TOP)
☐ IELTS Test Preparation (ITP) ☐ Foundation English Entry Course (FEEC) ☐ University English Entry (UEEC)

General English

☐ General English (Beginner to Advanced) ☐ GE Cambridge Exam Preparation

Professional English

☐ English for Business Communication ☐ English for Law

Term and start date? Term: _____ Start date: / /

How many weeks do you intend to study English? (minimum 5 weeks) *number of weeks*

6. Scholarships

Have you been granted a scholarship? ☐ Yes ☐ No Scholarship's Name or Sponsor's Name:

7. English Language Test Scores

If you have taken an IELTS or TOEFL or other test, please give details and attach a copy of the test result if available.
Test must have been taken within 12 months of the enrolment date.

IELTS Score (Overall):	IELTS Writing Score:
IELTS Test Report Form No:	Cambridge Score:
TOEFL/IBT/PBT Score:	PTE Score:

UNSW Foundation Studies
Application form

UNSW Global AUSTRALIA

Before completing the application form, please visit: ufs.unsw.edu.au/academic-programs/entry-requirements.asp or refer to the 2015 Foundation Studies Student Guide for the academic and English requirements. You can also apply through our new online application form. We will endeavour to place you in your requested course/s. If you do not meet the entry requirements, or there are no longer places available, where possible, we will offer you an alternative pathway best suited to your needs and preferred undergraduate degree.

Personal Details (as in passport)

Family Name | Given Name

Other Names

Date of Birth: (DD/MM/YYYY) / / | Gender Male ☐ Female ☐

Country of Birth

Nationality* | Will you be under 18 on arrival? Yes ☐ No ☐

*Please attach a certified copy of your passport (if available)

Emergency Contact Details

Family Name | Given Name

Telephone | Mobile | Email

Citizenship

Please select your citizenship status ☐ Australian Citizen ☐ Australian Permanent Resident or New Zealand Citizen ☐ Australian Temporary Resident ☐ International Student – (see next question)

If you are an International Student, which type of visa will you be applying for? ☐ Student ☐ Other _____

Correspondence Address (of student)

Address

City | State/Province | Country | Postcode

Telephone | Email

Previous Study

Name of Secondary School

Name of Qualification* | Level Completed

Country | Level Completed

*Please attach certified copies of your academic qualifications.

UNSW Degree Selection

UNSW Undergraduate Degree Preferences

Preference | UNSW Code

Preferred Start ☐ Semester 1 (March) ☐ Semester 2* (July)

*Please check that your preferred undergraduate degree has a Semester 2 intake.

UNSW Foundation Studies

Preferred Program: ☐ Transition ☐ Standard ☐ Standard Plus

Preferred Intake: ☐ Next available ☐ Date[1] / /

[1] For more information on these Program dates, please refer to the Academic Programs Calendar on page 106.

Preferred Stream[2]: ☐ Physical Science ☐ Life Science ☐ Commercial/Actuarial

Preferred Intake: ☐ Design/Fine Arts[3] ☐ Arts(SS) / International Studies / Arts(Law)[3]

[2] If your preferred program and stream do not match your preferred undergraduate degree, we will offer you the most appropriate program and stream.

[3] These streams are available in Standard and Standard Plus only.

Scholarships

Have you been granted a scholarship? ☐ Yes ☐ No Scholarship's Name or Sponsor's Name:

8. Do you have future study plans in Australia?

☐ No ☐ Yes, UNSW Foundation Studies ☐ Yes, UNSW ☐ Yes, other university

Level of course: ☐ Bachelor Degree (Undergraduate) ☐ Master Degree (Postgraduate) ☐ PhD (Doctorate)

Name of course: Faculty

Do you have a Letter of Offer? ☐ No ☐ Yes ☐ Yes, Package offer ☐ Yes, Conditional offer

Commencement date: UNSW Student ID Number (if available)

9. Accommodation

Would you like to receive information about accommodation?

☐ UNSW Accommodation ☐ UNSW Foundation Studies Residential College, UniLodge@UNSW ☐ Homestay ☐ Other

Proposed Accommodation start date: / / Proposed length of stay _____ weeks

10. Airport Pick-up A$150

Do you require airport pick-up? Yes ☐ No ☐ If yes, please complete the following:

Airport pick-up: $150. Please provide arrival details at least two weeks (14 days) prior to scheduled departure.

Arrival date: Arrival time: Airline / Flight number:

11. Overseas Students Health Cover (OSHC)

You must maintain OSHC for the proposed duration of your student visa. UNSW Institute of Languages can arrange visa-length cover with Medibank, our preferred provider of OSHC.

Yes, please arrange

☐ Single rate for myself OR ☐ Couple rate for myself and partner OR ☐ Family rate for myself and dependant/s

The length of OSHC will be calculated and advised, depending on your proposed enrolment period. If you wish to combine your English course together with your UNSW academic program under one student visa and you would like us to arrange OSHC to cover the entire period of the visa, please provide a copy of your UNSW offer letter.

☐ No, I will make my own arrangements for the duration of my student visa

If you have a current OSHC, please quote your OSHC policy number: and expiry date:

12. Agent Information

Agent Name | Branch Name

Contact Name | Agent Email

13. Additional Information

How did you hear about UNSW Institute of Languages?

14. Checklist

☐ Application Form filled out completely and correctly?

☐ Attached certified copies of all required documents?

☐ Listed your program preferences and commencement date?

☐ Copy of your UNSW offer letter (if applicable).

☐ Signed the declaration on this form? If under 18 years of age, your parent/legal guardian must also sign.

Declaration

I certify that the information on the form is correct and complete in every detail, and I understand that inaccuracies or omissions may result in non-acceptance or cancellation of enrolment at any time. I have read and understood the Conditions of Enrolment[1] and acknowledge that the personal information provided is covered under the Privacy Policy[2].

Signature of Student (as it appears in your passport): Date (dd/mm/yyyy) / /

(Unsigned applications cannot be processed. Please sign your name on the signature box. A typed-in name cannot be accepted. Education Representatives cannot sign on behalf of the student.)

If applicant is under 18 years of age the signature of a Parent or Legal Guardian is required.

Signature of Parent or Legal Guardian Date (dd/mm/yyyy) / /

Correspondence

Lodge the completed form with a UNSW Global representative in your country or post to:

UNSW Institute of Languages, PO Box 853, Kensington NSW 1465, Australia

T: 61 2 9385 5396 | F: +61 2 9662 2651 | E: admissions@unswglobal.unsw.edu.au

UNSW Global Pty Limited CRICOS Provider Code: 01020K UNSW Global Pty Limited ABN 62 086 418 582

An online application form is available at languages.unsw.edu.au/forms/application-form.asp?param1=ft

1. www.unswglobal.unsw.edu.au/coen.pdf
2. languages.unsw.edu.au/privacy.html

English Proficiency

Have you sat an IELTS, TOEFL or other recognised English proficiency test?
Your test must have been taken within 12 months of the official course commencement date.

☐ Yes → Please attach a certified copy of your English test results or provide the IELTS TRF number:

Note: If your English test results do not meet the English Language entry requirements, you will receive a conditional UNSW Foundation Studies offer, and an UNSW Institute of Languages offer for the Foundation English Entry Course (FEEC) or English course best suited to your needs.

☐ No → A conditional UNSW Foundation Studies offer will be issued until the English Language requirements have been met.

Please indicate if you are interested in undertaking your English Language studies with UNSW Institute of Languages: ☐ Yes ☐ No

Accommodation

Would you like to receive information about accommodation?
☐ UNSW Accommodation ☐ UNSW Foundation Studies Residential College, UniLodge@UNSW ☐ Homestay ☐ Other

Proposed Accommodation start date: / / Proposed length of stay _____ weeks

Airport Pick-up A$150

Do you require airport pick-up? Yes ☐ No ☐ If yes, please complete the following:

Airport pick-up: $150. Please provide arrival details at least two weeks (14 days) prior to scheduled departure.

Arrival date: Arrival time: Airline/Flight number:

Overseas Students Health Cover (OSHC)

You must maintain OSHC for the proposed duration of your student visa. UNSW Institute of Languages can arrange visa-length cover with Medibank, our preferred provider of OSHC.

Yes, please arrange
☐ Single rate for myself OR ☐ Couple rate for myself and partner OR ☐ Family rate for myself and dependant/s

The length of OSHC will be calculated and advised, depending on your proposed enrolment period. If you wish to combine your English course together with your UNSW academic program under one student visa and you would like us to arrange OSHC to cover the entire period of the visa, please provide a copy of your UNSW offer letter.

☐ No, I will make my own arrangements for the duration of my student visa

If you have a current OSHC, please quote your OSHC policy number: and expiry date:

Agent Information

Are you applying through an agent? Yes ☐ No ☐

Agency Name

Branch Address

Agent Contact Name | Agent Email

Checklist

- ☐ Application form is filled out completely and correctly. Incomplete application forms will incur delays in processing.
- ☐ Nominated your preferred Undergraduate Degree and preferred start
- ☐ Provided your preferred Foundation Studies program and preferred stream
- ☐ Signed the declaration on this form. If under 18 years of age, your parent/legal guardian must also sign.
- ☐ Attached certified copies of the following documents:
  Please note that each page must be certified in accordance with our guidelines available at ufs.unsw.edu.au/apply/how-to-apply
  - ☐ Academic transcripts
  - ☐ English Proficiency test scores (if applicable)
  - ☐ Passport (if applicable)
  - ☐ Visa (if available)
  - ☐ Any other documents relevant to your application

Declaration

I certify that the information on the form is correct and complete in every detail, and I understand that inaccuracies or omissions may result in non-acceptance or cancellation of enrolment at any time. I acknowledge that the personal information provided is covered under the Privacy Policy[1]. (Unsigned applications cannot be processed. Please sign your name on the signature line. A typed name cannot be accepted. Education representatives cannot sign on behalf of the student.)

Signature of Student (as it appears in your passport): Date (dd/mm/yyyy) / /

If applicant is under 18 years of age the signature of a Parent or Legal Guardian is required.

Signature of Parent or Legal Guardian Date (dd/mm/yyyy) / /

[1] ufs.unsw.edu.au/privacy-policy

Correspondence

Lodge the completed form with a UNSW Global representative in your country, or post to:
UNSW Foundation Studies, UNSW Sydney NSW 2052, Australia
T: +61 2 9385 5396 E: admissions@unswglobal.unsw.edu.au

UNSW Foundation Studies Programs are delivered under UNSW CRICOS Provider Code: 00098G by UNSW Global Pty Ltd (ABN 62 086 418 582).

Social Media

- www.facebook.com/unsw
- www.twitter.com/unsw
- www.gplus.to/unsw
- www.youtube.com/user/UNSW
- http://e.weibo.com/ozunsw
- http://i.youku.com/u/UNTc1OTIyMTQ4
- www.pinterest.com/unsw
- www.linkedin.com/company/university-of-new-south-wales
- www.instagram.com/unsw

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All costs and fees are provided in Australian Dollars (A$). Any agreement with the University does not remove the right to take action under Australia's consumer protection laws.

COMPLIANCE: The Education Services for Overseas Students (ESOS) Act 2000 sets out the legal framework governing delivery of education to overseas students studying in Australia on a student visa. UNSW in providing education services to overseas students complies with the ESOS Framework and the National Code of Practice for Registration Authorities and Providers of Education and Training to Overseas Students 2007 (The National Code).

A description of the ESOS framework can be found at the following link: https://internationaleducation.gov.au/Regulatory-Information/Pages/Regulatoryinformation.aspx

UNSW quicklinks

UNSW Faculties

Arts and Social Sciences
arts.unsw.edu.au

Art and Design
artdesign.unsw.edu.au

Built Environment
be.unsw.edu.au

Business School
business.unsw.edu.au

Engineering
engineering.unsw.edu.au

Law
law.unsw.edu.au

Medicine
med.unsw.edu.au

Science
science.unsw.edu.au

Applying to UNSW

Apply Online
apply.unsw.edu.au

Student portal access point
my.unsw.edu.au

Online Handbook
handbook.unsw.edu.au

UNSW Institute of Languages
languages.unsw.edu.au

UNSW Foundation Studies
ufs.unsw.edu.au

More about UNSW

UNSW Home page
unsw.edu.au

UNSW International
international.unsw.edu.au

UNSW China 中文官网
china.unsw.edu.au

UNSW online TV channel
tv.unsw.edu.au

Student Life@UNSW
unsw.edu.au/life

UNSW Alumni
alumni.unsw.edu.au

Student services

Accommodation
rc.unsw.edu.au

University Library
library.unsw.edu.au

UNSW Scholarships
scholarships.online.unsw.edu.au

Student Development International (SDI)
international.student.unsw.edu.au

Careers and Employment
careers.unsw.edu.au

Arc@UNSW
arc.unsw.edu.au

Government resources

Student visas
www.immi.gov.au

Australian diplomatic missions
www.dfat.gov.au/missions