UNSW AUSTRALIA POSTGRADUATE 2016

UNSW AUSTRALIA

International Student Guide 2016
Postgraduate

Never Stand Still

THE FUTURE OF CHANGE

Australia's leading research university

Contents

Digital journey

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Welcome to UNSW Australia

Your successful career starts here

With our ranking as 48th in the world and reputation as Australia's premier university focused on science, technology, business and the professions, UNSW Australia attracts postgraduate students from all over the world.

We understand that some of the most important factors when choosing a university for postgraduate study are the career and academic opportunities provided by your degree. That's why we have completed extensive research matching our world-class postgraduate degrees with opportunities in rapidly expanding and emerging global industries.

We have a proud tradition of discovery, innovation and influence. Our postgraduate students are taught by internationally respected academics who are leaders in their fields. As a postgraduate student at UNSW you will benefit from our flexible degree structures, the number and diversity of course options, our industry links and numerous scholarship opportunities. We support this with solid regional and international engagement, a vibrant research environment, and a practical blend of research and real-world application.

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.

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.

Be ready, countless possibilities lie ahead.

Become the hottest global prospect

Take your career to the next level

A postgraduate degree can provide you with a platform for further research or enable you to develop high-level skills and advanced knowledge to further your career. As a postgraduate student of UNSW, you will be joining an acclaimed group of world-leading researchers who share ideas, expertise and technology to tackle global challenges.

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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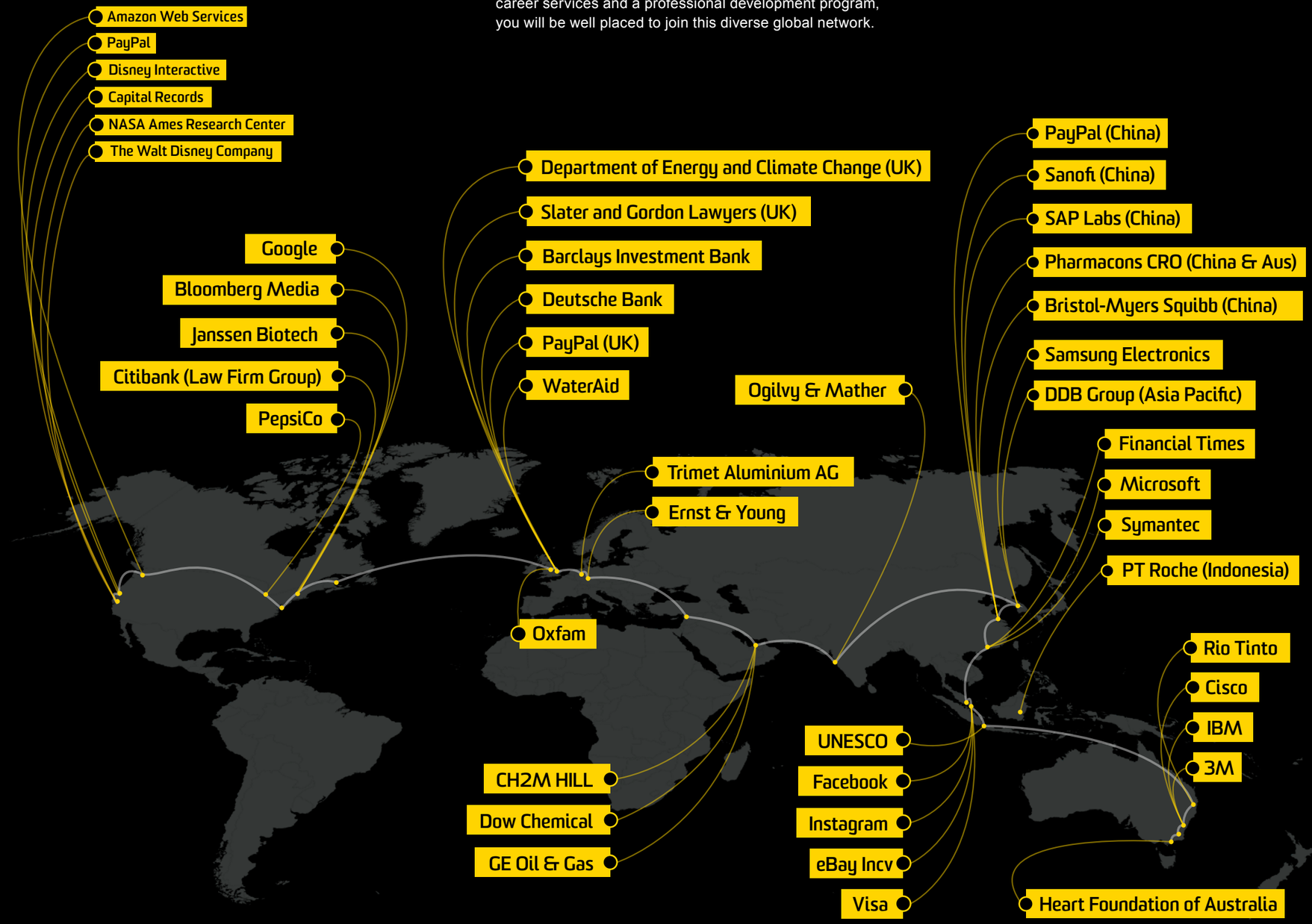

Revolutionary research and discovery

We've been breaking new ground since the very beginning

As Australia's leading research and teaching university, we have one of the country's largest research communities with over 4,300 dedicated research students.

Our University 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 resources and funding in 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.

We are also home to a number of national centres for research excellence and we are affiliated with many of Australia's outstanding research institutes. Our award-winning researchers won the greatest amount of Australian Research Council funding in the country – with $45.3 million across three funding schemes for 2015. The grants cover fields such as evolutionary biology, medicine, engineering, physics, the environment, economics, education, history, psychology, technology, mathematics and law.

The Graduate Research School

Higher degree research candidates can pursue their research careers with outstanding opportunities offered through The Graduate Research School. This provides funding for conference travel, coursework options to enhance your skills, tailored seminars in research management and career development, and the opportunity in many disciplines to obtain teaching experience.

To find out more about research at UNSW visit: research.unsw.edu.au

Learn more about research and innovation at UNSW

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A culture of innovation

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

Sharpen your competitive edge

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.

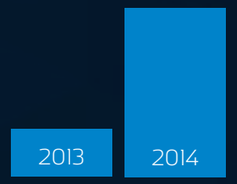
From the moment you begin, you'll join this prestigious group of legal pioneers and innovative thinkers. You'll have the opportunity to forge valuable connections with employers, mentors, world-class peers and alumni to ensure you stay ahead of the latest economic trends.

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

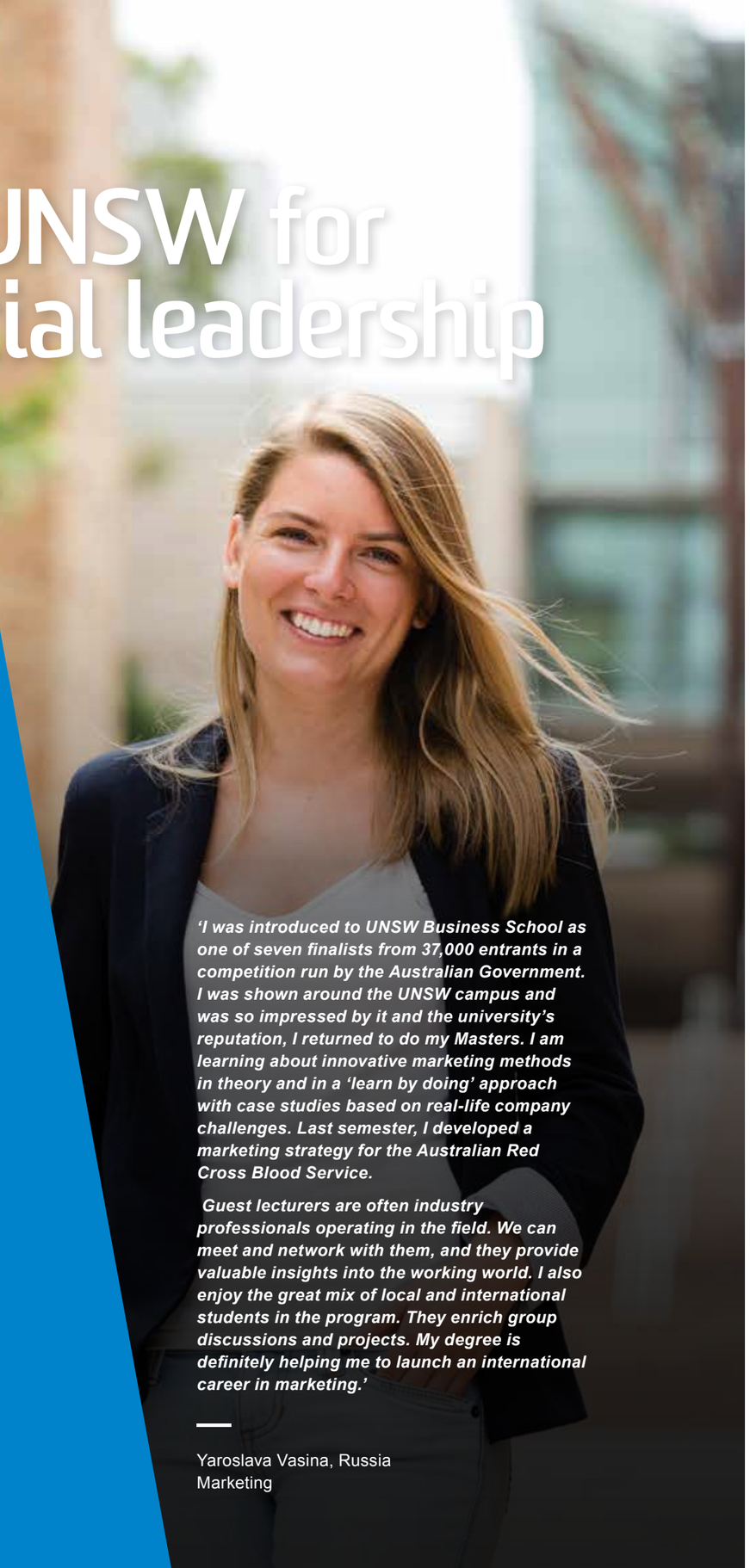
Accountants
Actuarial analysts
Attorneys
Auditors
Chartered legal executives
Corporate and commercial law experts
E-commerce specialists
Equity advisors
Financial analysts
Financial planners
Funds managers
Human resources officers
In-house legal counsel
Insurance specialists
Intellectual property lawyers
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
Business Administration
Business Economics
Business Law
Business Strategy
Commerce
Corporate and Commercial Law
Cyber Security
Dispute Resolution
Economics
Econometrics
Finance
Financial Analysis
Human Resource Management
Information Systems
Innovation Law
International Business and Economic Law
Journalism and Communication
Law
Logistics Management
Management
Marketing
Mathematics
Planning
Property and Development
Public Relations and Advertising
Taxation
Technology Management
Urban Policy and Strategy



'I was introduced to UNSW Business School as one of seven finalists from 37,000 entrants in a competition run by the Australian Government. I was shown around the UNSW campus and was so impressed by it and the university's reputation, I returned to do my Masters. I am learning about innovative marketing methods in theory and in a 'learn by doing' approach with case studies based on real-life company challenges. Last semester, I developed a marketing strategy for the Australian Red Cross Blood Service.

Guest lecturers are often industry professionals operating in the field. We can meet and network with them, and they provide valuable insights into the working world. I also enjoy the great mix of local and international students in the program. They enrich group discussions and projects. My degree is definitely helping me to launch an international career in marketing.'

Yaroslava Vasina, Russia
Marketing

Become an in-demand business and law graduate

Top ranked **full-time MBA program**

UNSW Business School offers one of the top 100 MBA Programs globally.
/ Financial Times UK and Forbes Magazine

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.

Top 15 **for law**

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

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.

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.

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

Aeronautical engineers

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

Construction lawyers

Digital map creators

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

Space engineers

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Choose UNSW for connectivity

Areas of **study**

Aeronautical Engineering
Architecture
Aviation Management
Biomedical Engineering
Chemical Process Engineering
Civil Engineering
Construction Project Management
Cyber Security
Electrical Engineering
Energy Systems
Environmental Engineering
Geospatial Engineering
IT and Computing
Manufacturing Engineering and Management
Materials Technology
Mathematics
Mathematics and Statistics
Mechanical Engineering
Mechatronic Engineering
Mining Engineering
Petroleum Engineering
Physics
Photovoltaics and Solar Energy
Planning
Project Management
Property and Development
Renewable Energy Engineering
Space Engineering
Space Operations
Structural Engineering
Sustainable Built Environment
Systems Engineering
Telecommunications
Transport Engineering
Urban Development and Design
Urban Policy and Strategy

'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

Excellence in **research**

Our Urban and Regional Planning Research is ranked No.1 in Australia and UNSW is the only university with 5 stars in the Excellence in Research Australia Report in this category.

Relevant **industry training**

In our Master of Engineering programs, students are required to complete 60 days of relevant industrial training which improves 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 Engineerng.
/ QS World University Rankings by Subject 2015

More postgraduate specialisations

We offer more postgraduate engineering specialisations than any other Australian university, allowing you to develop career paths in multiple industries.

Enhanced learning at Canberra

UNSW Canberra has the best student to academic staff ratio in Australia. We offer a supportive and stimulating environment for postgraduate research students.

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 environment, energy and sustainability

Areas of **study**

Architecture
Biological Chemistry
Biology
Botany
Chemical Engineering
Chemistry
Civil Engineering
Climate System Science
Construction Project Management
Development Studies
Earth Science
Ecology
Economics
Electrical Engineering
Energy Systems
Environmental Engineering
Environmental Humanities
Environmental Management
Environmental Microbiology
Environmental Policy
Food Process Engineering
Food Science and Technology
Geochemistry
Geography
Industrial Chemistry
Law
Marine Science
Materials Science
Mathematics
Mining Engineering
Petroleum Engineering
Photovoltaics and Solar Energy
Physical Oceanography
Planning
Project Management
Renewable Energy Engineering
Software Engineering
Sustainable Built Environment
Sustainment Management
Urban Development and Design
Urban Planning
Urban Policy and Strategy
Water Engineering
Water, Wastewater and Waste Engineering

'UNSW's Solar Photovoltaics Engineering and Renewable Energy Engineering courses are famous worldwide for being one of the best specialist courses in the industry. Many major assignments were based on relevant industry issues and helped me develop practical skills that I now use in my job when I design commercial PV systems.

Renewable Energy Engineering attracts smart and energetic students who bring with them a great positivity and ambition to improve the status quo, and this is something that helps sustain the great reputation of UNSW. I met Sam Mo, who is now my business partner, at UNSW and in 2009 we launched Tivok, a company focusing on energy saving solutions.

I'm proud to say that we currently employ a number of undergraduates and PhD graduates from UNSW. They were specifically chosen because we knew the program content and lecturers at UNSW would equip them with the knowledge and skills they would need to begin working in the industry.'

George Guse and Sam Mo, Australia and China
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.

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%.

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.

Leading **research** in 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.

Flagship research centre

UNSW is host to the nation's flagship $28 million Cooperative Research Centre on Low Carbon Living (CRC LCL). The CRC brings together key property, planning and policy organisations working with leading Australian researchers from several universities to develop new social, technological and policy tools for reducing greenhouse gas emissions in the built environment.

Protecting **important 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.

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.

We prepare students for careers that can help improve population health, health promotion, primary health care, policy formulation, and the research, implementation and management of health programs. Our award-winning research scientists create technology to help restore sight, develop better pharmaceuticals to improve treatment options for patients and work closely with other medical professionals to improve the physical and mental quality of life for people over their lifespan.

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 trials managers

Community health professionals

Doctors

Geneticists

Intellectual property lawyers

Laboratory technicians

Mental health experts

Microbiologists

Patent lawyers

Pharmaceutical developers

Physicists

Public Health professionals

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
Food Science and Technology
Genetics
Health Management
Immunology
Mathematics and Statistics
Medical Science
Medicine
Medicinal Chemistry
Microbiology
Molecular and Cell Biology
Nanotechnology
Neuroscience
Optometry and Vision Science
Patent Law
Pathology
Pharmaceutical Medicine
Pharmacology
Physiology
Public Health
Psychology
Reproductive Medicine
Women's Health

'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

Research excellence

Our medical sciences regularly top UNSW's research performance and account for more than 40% of the University's entire research income.

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

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.

World-leading facilities

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

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.

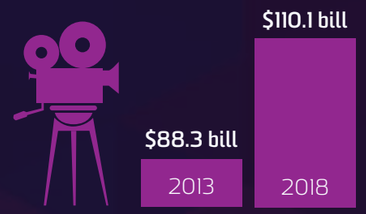
Kickstart your media, design and creative career

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

Artists

Arts managers

Communication specialists

Copyright and licensing lawyers

Creative directors

Creative writers

Curators

Designers

Digital media designers

Film or television producers

Game designers

Graphic designers

Graphic media designers

Illustrators

Industrial designers

Intellectual property lawyers

Interaction designers

Interior architects

Journalists

Landscape architects

Media specialists

Media strategists

Musicians

Performing arts teachers

Public relations specialists

UX designers

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 media, design and creativity

Areas of **study**

Animation and Visual Effects
Architecture
Art Theory
Design
Design Communication
Drawing
Exhibition Design
Fine Arts
Illustration
Industrial Design
Intellectual Property Law
Interaction Design
Interior Architecture
Jewellery Design
Journalism and Communication
Landscape Architecture
Media Arts
Media and Technology Law
Painting
Performance
Photography
Printmaking
Product Design
Public Relations and Advertising
Sculpture and installation
Textiles
Urban Development and Design

'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

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.

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.

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.

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.

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.

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 the 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 by 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**

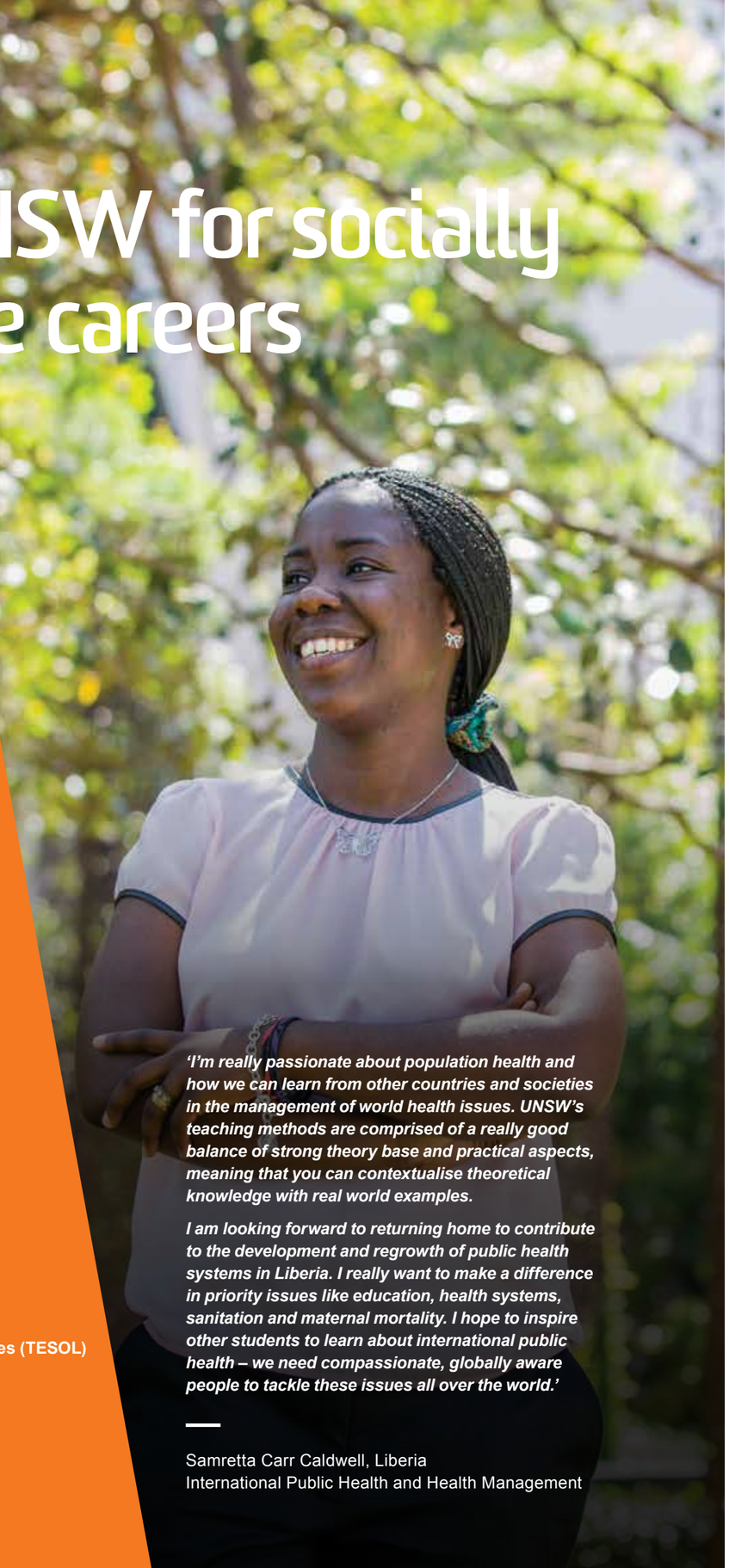
- **Architects**
- **Community legal support**
- **Cross-cultural consultants**
- **Development specialists**
- **Doctors**
- **Economists**
- **Environmental engineers**
- **Food scientists**
- **Gender specialists**
- **Geospatial information scientists**
- **Human rights lawyers**
- **International 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**
- **Teachers**
- **Urban planners**

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 socially responsible careers

Areas of **study**

Architecture
Architectural Studies
Business
Construction Project Management
Criminology and Criminal Justice
Design
Development Studies
Economics
Education
Environmental Engineering
Environmental Management
Food Process Engineering
Food Science and Technology
Human Geography
Human Rights Law
Immunology
Industrial Design
International Relations
Interpreting and Translation
Journalism and Communication
Law
Landscape Architecture
Medicine
Optometry and Vision Science
Photovoltaics and Solar Energy
Planning
Project Management
Property and Development
Public Policy and Governance
Renewable Energy
Reproductive Medicine
Science
Social Impact
Social Research and Policy
Sustainable Built Environment
Teaching English to Speakers of Other Languages (TESOL)
Urban Development and Design
Urban Planning
Urban Policy and Strategy
Women's Health



'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

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

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.

$10 million commitment

The Judith Neilson $10 million Chair in Architecture is a ground-breaking commitment of global significance for the research, teaching and public debate of architecture to improve the lives of displaced and disadvantaged people.

Justice for all

UNSW Law's commitment to justice for all is demonstrated through 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** 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.

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.

Postgraduate degree programs
Index

Accounting

Master of Accounting and Business Information Technology

Program code 8426

Faculty
Business School

Program Duration
1.5 years

Estimated first year tuition
A$38,160

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) in business, commerce or information systems, with a credit average, as determined by UNSW Business School. Please consult the following website for further: business.unsw.edu.au

Program structure
This program consists of 12 courses (72 UOC):
* 2 compulsory accounting courses
* 2 compulsory information systems courses
* At least 3 accounting elective courses (from List A and C)
* At least 3 information systems elective courses (from List B and C)
* 1 capstone course (from List C)

Accounting Core Courses	UOC
Financial Accounting	6
Management Accounting and Business Analysis	6

Information Systems Core Courses	UOC
E-Business	6
Accounting Information Systems	6

List A Accounting Elective Courses (Sample list)	UOC
International Financial Statement Analysis	6
Auditing and Assurance Services	6
Business Analysis and Valuation	6
Business Risk Management	6
Managing Intangible Resources	6
Strategic Management Accounting	6
Corporate Accounting and Regulation	6
Advanced Financial Reporting	6
Managing Agile Organisations	6
Reporting for Climate Change and Sustainability	6
International Corporate Governance	6

List B Information System Elective Courses (Sample list)	UOC
Business Process Management	6
Project, Portfolio and Program Management	6
Information Systems Auditing and Assurance	6
Business Intelligence Methods	6
Enterprise Systems	6
IS Strategy, Innovation and Agility	6
Business Analytics	6
Security and Ethics in Cyberspace	6
Managing IS / IT Risk	6

List C Capstone Courses	UOC
Enterprise Strategy for Management Accountants	6
AND/OR	
Business Systems Project	6

Actuarial Studies

Master of Actuarial Studies

Program code 8411

Faculty
Business School

Program Duration
1.5 years

Estimated first year tuition
A$38,160

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) in actuarial studies, econometrics, mathematics or statistics with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au

Program structure
This program consists of 12 courses (72 UOC): four core courses plus eight elective courses.

Core Courses (24 UOC)	UOC
Probability and Statistics for Actuaries	6
Financial Mathematics	6
Finance and Financial Reporting for Actuaries	6
Business Economics	6

Elective Courses (sample list)	UOC
Select eight courses from the following:	
Superannuation and Retirement Benefits	6
Project Report – Actuarial Studies	6
Actuarial Theory and Practice A	6
Stochastic Modelling for Actuaries	6
Actuarial Statistics	6
Life Insurance and Superannuation	6
Insurance Risk Models	6
Financial Economics for Insurance and Superannuation	6
Actuarial Theory and Practice B	6
Risk and Capital Management	6
Models for Risk Management	6
Asset-Liability Management	6
Risk Management Strategies	6
Retirement Saving and Spending over the Life cycle	6
Fundamentals of Risk and Risk Management	6
Risk Tools	6
Risk Decisions	6
Or other courses as approved by the Program Director	

Master of Actuarial Studies (Extension)

Program code 8416

Faculty
Business School

Program Duration
2 years

Estimated first year tuition
A$38,160

Entry
Februart and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) in actuarial studies, econometrics, mathematics or statistics with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au

Program structure
This program consists of 16 courses (96 UOC): four core courses, and 12 elective courses.

Core Courses (24 UOC)	UOC
Probability and Statistics for Actuaries	6
Financial Mathematics	6
Finance and Financial Reporting for Actuaries	6
Business Economics	6

Elective Courses (sample list)	UOC
Choose twelve courses from the following:	
Superannuation and Retirement Benefits	6
Project Report – Actuarial Studies	6
Actuarial Theory and Practice A	6
Stochastic Modelling for Actuaries	6

continued on next page

Actuarial Statistics	6	Models for Risk Management	6	Fundamentals of Risk and Risk Management	6
Life Insurance and Superannuation	6	Risk and Capital Management	6	Risk Tools	6
Insurance Risk Models	6	Asset-Liability Management	6	Risk Decisions	6
Financial Economics for Insurance and Superannuation	6	Risk Management Strategies	6	Or other courses as approved by the Program Director	
Actuarial Theory and Practice B	6	Retirement Saving and Spending over the Life cycle	6		

Applied Linguistics

Master of Applied Linguistics
Program code 8236

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
February and July

Entry requirements
Admission to the Master of Applied Linguistics is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) *OR*
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), *plus* one year relevant professional experience *OR*

1 Year Program (48 UOC)
- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) *OR*
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), *plus* one year relevant professional experience.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

Relevant disciplines include: Linguistics, Languages, TESOL, Cognitive Science, Speech Pathology, Interpreting and Translation and Health Sciences.
Relevant professional experience includes: Work in a language-related area including teaching English as a second or foreign language or a language other than English, translating and interpreting, curriculum design, and other appropriate language professions.

Program structure
1.5 Year Program (72 UOC):
1. Applied Linguistics Core Courses (24 UOC)
2. Advanced Disciplinary Courses (24 UOC)
3. Elective Courses (24 UOC)

1 Year Program (48 UOC):
1. Advanced Disciplinary Courses (24 UOC)
2. Elective Courses (24 UOC)

Core Courses (1.5 year stream only)	UOC
Complete 4 Core Courses:	
Language Testing and Evaluation	6
The Grammar of English	6
Linguistics Approaches to Spoken English	6
Introduction to Linguistic Analysis	6

Advanced Disciplinary Courses	UOC
Complete 4 Courses:	
Second Language Acquisition	6
Bilingualism	6
Cross-cultural Pragmatics	6
Introduction to Psycholinguistic Enquiry	6

Elective Courses	UOC
Complete 4 courses from the following list (2 must be chosen from the first 4):	
Discourse Analysis	6
Research Methods in Applied Linguistics	6
Thesis Writing 1	6
Thesis Writing 2	6
Translation in the Media	6
Text Analysis for Translation	6
Ethnographic and Action Research	6
Experimental Research Design	6
Survey Research, Design and Analysis	6

For full list visit: handbook.unsw.edu.au

Career opportunities
Your advanced education in applied linguistics theory and practice will prepare you for a successful career as a linguistic specialist in areas such as:
- language acquisition and pathology
- language policy and planning
- language education in multicultural environments including, EALD* and EFL (TESOL) teaching in private schools in Australia and internationally..

**EALD English as an Additional Language or Dialect*
**TESOL Teaching English to Speakers of Other Languages*
**EFL English as a Foreign Language*

Architecture

Master of Architecture
Program code 8143

Faculty
Built Environment

Estimated first year tuition
A$34,560

Program Duration
2 years

Entry
February and July

Entry requirements
Graduates of undergraduate architecture degree programs from UNSW and other institutions who achieved credit average results across their entire degree may apply directly to the UNSW Admissions Office.

Applications are required to include:
- A statement of intent (maximum 1000 words) outlining why you wish to study architecture at UNSW
- Demonstration of six months work experience in the office of an architectural practice. Preference will be given to applicants who have obtained work experience post completion of their undergraduate degree
- Curriculum vitae
- A portfolio of their design work. A portfolio in digital format is preferred but hard copy portfolios will be accepted. The portfolio should include sample works from various stages of their first degree, text should accompany all drawings/ images to explain the projects. Professional work can be included, but the degree of responsibility of the work must be stated.

Program structure
A total of 96 units of credit (UOC) is required, consisting of core courses (60 UOC) and elective courses (36 UOC). There is a wide range of elective courses offered by the Faculty (additional to the following list of electives) which may be studied. You should check with the Faculty at time of enrolment.

Core Courses (60 UOC)	UOC
Design Studio 1	6
Design Studio 2	6
Construction and Structures	6
Environment	6
Professional Practice	6
Research Studio	12
Architecture in Asia	6
Major Design Studio	12

continued on next page

Elective Courses (36 UOC)	UOC
Suggested courses:	
Social Planning	6
Modernity to Deconstruction	6
A History of Housing	6
Architectural Spatialisation	6
Classical Architecture	6
Resources, Materials and Sustainability	6
Energy and the Built Environment	6
Land and Environment Law	6
Sustainable Development & the Urban Environment	6
Design and Technology – Timber	6
Documentation Techniques for Major Buildings	6

Most courses are offered in only one semester per year. Some courses may not be offered every year. Please check course availability with the Faculty Student Centre prior to enrolment.

Professional recognition
The Master of Architecture builds upon the UNSW Bachelor of Architectural Studies degree. The Master of Architecture has full five-year accreditation from the Architects Accreditation Council of Australia (AACA), NSW Architects Registration Board and Australian Institute of Architects (AIA). The combined Bachelor of Architectural Studies and Master of Architecture is recognised by the Australian Institute of Architects and through the 2008 Canberra Accord by the following accreditation agencies:
- Commonwealth Association of Architects (CAA)
- Canadian Architectural Certification Board/ Consiel canadien de certification en architecture (CACBCCCA)
- Consejo Mexicano de Acreditacion de Ensenanza de la Arquitectura/Comite para la Practica Internacional de la Arquitectura (COMAEA/ COMPIAR)
- Korea Architecture Accrediting Board (KAAB)
- National Architecture Accrediting Board (NAAB) (US)

Master of Architecture graduates are able to prepare for the NSW Architects Registration Board professional practice and examination requirements necessary to become a registered Architect in NSW.

Career opportunities
Graduates gain professional experience in a variety of private, corporate and government practice settings to enable them to meet the requirements for registration as an architect. These practice settings range from large multidisciplinary built environment practices to medium to small scale architectural practices. Graduates may contribute to practice teams working on large scale civic and institutional buildings, urban and infrastructure projects or multi-density residential projects. These contributions may range from contract documentation, design development to design concept schemes and often include competitions.

As the Architecture program is constantly under review, this may result to changes in the program for 2016. Check the online handbook and website for latest program content.

Art

Master of Art
Program code 9314

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
2 years

Entry
February and July

Students in the Master of Art program can major in the following disciplines:
Planar Practices – painting, drawing, printmaking and the screen
Temporal and Spatial Practices – photography, video, sound, sculpture, installation and performance
Future Making – ceramics, textiles, metal, jewellery, furniture and lighting

Students can also choose from the Design streams offered in the Master of Design.

Entry requirements
Depending on the level and related nature of your prior qualifications, admission to the Master of Art makes provision for three entry points:
1. Bachelor degree [AQF Level 7] in any field. This provides admission into the foundational disciplinary course component of the program - requiring completion of 96 UOC (2.0 years).
2. Bachelor degree in Visual Arts [FOE codes 1003], Media [FOE codes 1007] provides admission into the disciplinary course component of the Master of Art - requiring completion of 72 UOC (1.5 years).
3. Honours Degree [AQF Level 8] or equivalent in Visual Arts [FOE codes 1003], Media [FOE codes 1007], permits admission to the advanced disciplinary component of the Master of Art - requiring completion of 48 UOC (1 year).

Program structure – 2 years program

Program structure	UOC
4 Core Art Studio Courses	30
6 Art Studio Specialisation Courses	36
5 Core Contextual Studies Courses	30
Total units of credit (UOC)	96

Core Art Studio Courses	UOC
Studio Concepts and Practices	6
Process and Materiality	6
The Consolidated Studio	6
Capstone Project	6

Art Studio Specilisations	UOC
Select six of the following courses from Studio Specialisations (36UOC)	
Planar Practices	
The Contemporary Image: Colour & Tone	6
The Reproduced Image: Series & Seriality	6
Line & Mark: Past & Futures	6
Figure & Figuration: Mapping the Body	6
Temporal and Spatial Practices	
Lens and Studio Craft	6
Additive Approaches to Art	6
Temporal Approaches to Art	6
The Laptop Atelier	6
Future Making	
New Technologies, Traditional Techniques: Hybrid Crafting	6
Material Thinking	6
Crafting a Sustainable Future	6
Society, Collaboration and Cultural Practices	6

Art Contextual Studies Courses	UOC
Communication Skills for Creative Disciplines	6
Art After Postmodernism	6
Research Foundations in Art & Design	6
Fine Arts Professional Practice or History/Theory course	6
Project Paper	6

Career opportunities
Many UNSW Art & Design graduates have established significant careers as artists. They have been recognised with major exhibitions in leading institutions, national and international prizes, grants, awards and commissions as well as artist residencies. In addition to becoming practising artists, UNSW graduates also secure employment in related creative and cultural professions such as the photographic industry, theatre and television production, prop making, digital and video production, multimedia industries, galleries and museums. Skills and insights that are learned within this degree could enable graduates to work in many other related fields.

Graduate Diploma of Art

Program code 5307

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
1 year

Entry
February and July

Your choice of studio specialisations includes:
Planar Practices – painting, drawing, printmaking and the screen
Temporal and Spatial Practices – photography, video, sound, sculpture, installation and performance
Future Making – ceramics, textiles, metal, jewellery, furniture and lighting

Entry requirements
Admission to the Graduate Diploma in Art requires a Bachelor degree in any field, which has been conferred within the last 10 years, or through articulation from the Graduate Certificate in Art.

Applicants who apply with a bachelor degree completed more than 10 years ago can be admitted to the Graduate Certificate in Art if they have 5 or more years professional experience in an art, design or media-related field since graduation. They can articulate up to the Graduate Diploma provided they hold a credit average in their courses taken under the Graduate Certificate.

Applicants without a Bachelor degree may also be admitted to the Graduate Certificate on a case-by-case basis by the Program Director, on the basis of a Portfolio of work and professional experience. The student may articulate up to the Graduate Diploma if they hold a credit average in their courses taken under the Graduate Certificate.

Program structure – 1 year program

Program structure	UOC
2 Art Studio Core courses	12
3 Art Studio Specialisation courses	18
3 Art Context courses	18
Total units of credit (UOC)	48

Core Art Studio Courses	UOC
Studio Concepts and Practices	6
Process and Materiality	6

Art Studio Specilisations	UOC
Select three of the following courses from Studio Specialisations (18 UOC)	
Planar Practices	
Chromatic & Tonal Approaches to Contemporary Art	6
The Reproduced Image: Series & Seriality	6
Temporal and Spatial Practices	
Lens and Studio Craft	6
Additive Approaches to Art	6
Future Making	
New Technologies, Traditional Techniques: Hybrid Crafting	6
Material Thinking	6

Art Contextual Studies Courses	UOC
Communication Skills for Creative Disciplines	6
Art After Postmodernism or Contemporary Creative Practices: Methods	6
Research Foundations in Art & Design	6

Graduate Certificate of Art

Program code 7307

Faculty
Art & Design

Estimated first year tuition
A$14,280

Program Duration
6 months

Entry
February and July

The Graduate Certificate provides an intensive studio practice based postgraduate experience in contemporary fine art. The program is structured to provide either a foundation or an extension for people who are, or aim to become, practising artists in the visual arts or related creative fields.

Your choice of studio specialisations includes:
Planar Practices – painting, drawing, printmaking and the screen
Temporal and Spatial Practices – photography, video, sound, sculpture, installation and performance
Future Making – ceramics, textiles, metal, jewellery, furniture and lighting

Entry requirements
Admission to the Graduate Certificate in Art requires a Bachelor degree in any field.

Applicants who apply with a bachelor degree completed more than 10 years ago can be admitted to the Graduate Certificate in Art where they have 5 or more years professional experience in a design or media-related field since graduation.

Applicants without a Bachelor degree may be admitted to the Graduate Certificate on a case-by-case basis by the Program Director, on the basis of a Portfolio of work and professional experience.

Program structure – 6 months program

Program structure	UOC
1 Core Course	6
1 Stream Course	6
2 Contextual Studies courses	12
Total units of credit (UOC)	24

Core Art Studio Courses	UOC
Select one of the following courses:	
Studio Concepts and Practices	6
Process and Materiality	6

Art Studio Specilisations	UOC
Select one of the following courses from Studio Specialisations (6UOC)	
Planar Practices	
Chromatic & Tonal Approaches to Contemporary Art	6
The Reproduced Image: Series & Seriality	6
Temporal and Spatial Practices	
Lens and Studio Craft	6
Additive Approaches to Art	6
Future Making	
New Technologies, Traditional Techniques: Hybrid Crafting	6
Material Thinking	6

Art Contextual Studies Courses	UOC
Communication Skills for Creative Disciplines	6
Art After Postmodernism or Contemporary Creative Practices: Methods	6

Master of Arts (Specialisation)

Program code 8175

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Arts enables students to specialise in Military History, Strategy and Security, or Strategy and Management.
For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8175.html

Aviation

Master of Aviation Management

Program code 8741

Faculty
Science

Estimated first year tuition
A$31,680

Program Duration
1 to 2 years by distance (Part-time mode is also available)

Entry
February and July

Entry requirements
Recognised three-year Bachelor degree in any discipline; or recognised Bachelor of Aviation degree; or recognised three-year Bachelor degree in any discipline plus a minimum of 6 months relevant professional experience.

Program structure
Students in the MAvMgmt are required to complete a total of 96 UOC comprised of a 6 UOC compulsory research project, and 90 UOC selected from the list of electives.

Compulsory Course	UOC
Aviation Research Project	6

Note: This course is to be undertaken in the final year of the Master's degree

Elective Courses	UOC
Airworthiness of Transport Category – Aircraft	6
Airline Operations and Delay Management	6
Law and Regulation in Aviation	6
Aviation and Security	6
Aviation Safety and Accident Prevention	6
Airline Operational Management	6
Airport Planning	6
Airport Operations Management	6
Air Traffic Management	6
Airline Corporate Management	6
Safety Management Systems	6
Human Factors in Transportation Safety	6
Aviation Human Factors	6
Aircraft Accident Investigation Tech	6
Flight Deck Operations for Advanced Transport – Aircraft	6
Aviation & Tourism	6
Econometrics in Aviation	6
Airport Economics, Management and Policy	6
SRM: Human Performance	6
SRM: Physical Hazards	6

Graduate Diploma of Aviation Management

Program code 5741

Faculty
Science

Estimated first year tuition
A$31,680

Program Duration
6 months – 1 year by distance

Entry
February and July

Entry requirements
Minimum entry requirement is at least 1 year of relevant industry experience. Applicants with more experience may be eligible for advanced standing and complete the diploma in less time.

Program structure
The program consists of courses totalling 48 units of credit. A credit average (65%) must be achieved to continue on to the Master of Aviation Management. Available courses are listed under the entry for the Master of Aviation Management.

Biomedical Engineering

Master of Biomedical Engineering

Program code 8660

Faculty
Engineering

Estimated first year tuition
A$36,960

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised four-year Bachelor degree in engineering, science or medicine, with an average grade of 65%.

Program structure
The program consists of courses totalling 72 UOC of which a minimum of 48 UOC must be from courses offered by the Graduate School of Biomedical Engineering. The remaining 24 UOC may be at either postgraduate or undergraduate level and can be selected from other schools of the University if approved by the Graduate School of Biomedical Engineering.

Background Courses	UOC
Examples of courses available include:	
Fundamentals of Anatomy	6
Physiology 1A	6
Physiology 1B	6

Biomedical Engineering Courses	UOC
Medical Imaging	6
Biomedical Systems Analysis	6
Mass Transfer in Medicine	6
Biocompatibility	6
Cellular and Tissue Engineering	6
Regulatory Requirements of Biomedical Technology	6
Clinical Laboratory Science	6
Chemistry and Physics of Synthetic and Biological Polymers	6
Clinical Information Systems	6
Introductory Biomechanics	6
Mechanics of the Human Body	6
Biomechanics of Physical Rehabilitation	6
Mechanical Properties of Biomaterials	6
Biological Signal Analysis	6
Biomedical Instrumentation	6
Biosensors and Transducers	6
Implantable Bionics	6
Dynamics of the Cardiovascular System	6
Modelling Organs Tissues and Devices	6
Advanced Bionics	6
Masters Project Report	12
Engineering Statistics and Experiment Design	6

Graduate Diploma in Biomedical Engineering
Program code 5449

Faculty
Engineering

Estimated first year tuition
A$36,960

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised three-year Bachelor degree in a related discipline.

Program structure
For details visit: engineering.unsw.edu.au/biomedical-engineering OR /master-of-biomedical-engineering

Biotechnology and Biomolecular Sciences

Graduate Diploma (Research)
Program code 5304

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 year

Entry
February, July (Entry is dependent on the availability of a suitable academic supervisor.)

Research in Biotechnology and Biomolecular Sciences (BABS) spans fundamental to applied sciences, and includes human bacterial pathogens, hepatitis viruses, tissue engineering, cancer, bioinformatics, functional genomics, extremophiles, astrobiology, and more. Research is grouped into four main disciplines:

- Environmental Microbiology
- Systems and Cellular Biology
- Molecular Medicine
- Infectious Disease

The wide array of scientific research conducted in BABS is represented by the active research projects in the School, some of which are suitable for Graduate Diploma students – see babs.unsw.edu.au/research-projects.

Students interested in one of these Research areas or projects, should apply for this Biotechnology and Biomolecular Science stream. Students who successfully complete the Graduate Diploma (Research) with a sufficiently high weighted average mark are qualified to continue further in their research careers by undertaking postgraduate studies by research (Masters or PhD level).

Entry requirements
Applicants are required to have a recognised three year full-time Bachelor degree with a minimum average mark greater than 55, specialising in:

- Molecular Cell Biology;
- Genetics;
- Microbiology; or
- Biotechnology

Students must also demonstrate in their application that they have research experience in one of the relevant disciplines for this stream. Students without demonstrated research experience will be considered at the discretion of the Postgraduate Coordinator in the School of Biotechnology and Biomolecular Sciences.

It is essential that applicants identify an appropriate academic supervisor and obtain agreement prior to submitting an application for postgraduate study. Identifying and negotiating with prospective supervisors is up to applicants, and applicants need to align their interest with the research area of one of the School's academics.

Program structure
Students typically enrol in courses as follows:

Courses

- 18 UOC of postgraduate courses from the School of Biotechnology and Biomolecular Sciences. Students may enrol in these courses semester 1 or semester 2 depending on the scheduling of courses. Students should discuss their course selection with their supervisor. It is strongly recommended that all students enrol in BABS7180 Research Techniques. Postgraduate courses not from the School of Biotechnology and Biomolecular Sciences may be taken where a student can demonstrate that the course is relevant to their research project and this is approved by the student's supervisor and the Postgraduate Coordinator;
- 30 UOC of research project, comprised of a combination of the following courses (depending on the amount of coursework completed each semester): BABS5019 Research Project (6 UOC), BABS5029 Research Project (12 UOC), BABS5039 Research Project (18 UOC), BABS5049 Research Project (24 UOC).

Built Environment

Graduate Certificate in the Built Environment
Program code 7131

Faculty
Built Environment

Estimated first year tuition
A$15,480

Program Duration
6 months

Entry
February

Entry requirements
You will require a four year bachelor degree (with credit average) in a non-design related field for entry in this program. Upon graduation (with Credit average), you will then be able to enrol for the Master of Urban Development and Design (MUDD) or MUDD extension.

Program structure
Four core courses (24 UOC).

Business

Master of Business
Program code 8388

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The MBus program is designed to provide students with advanced understanding of the concepts and principles that underpin effective management, business decision-making and leadership. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8388.html

Business Administration

AGSM MBA
Program code 8350

Faculty
Business School

Estimated fees to complete
A$75,840

Program Duration
16 months or 24 months

Entry
Session 1 (January)

Entry requirements
There are two pathways into the AGSM MBA program:

1. A strong undergraduate degree (or equivalent qualification) and a minimum of 2 years professional or managerial work experience
2. At least 6 years of professional work experience

Applicants must also submit supporting documentation including four personal statements (each approximately 250 words in length), examining leadership, experience, community connectivity and problem solving capability; a detailed curriculum vitae demonstrating business management leadership potential; two referee reports and proof of identify. Applicants must also provide a minimum overall GMAT score of 550 with minimum scores of verbal 25, quantitative 35 and AWA 4.0.

Program structure
The AGSM MBA program has a two-stage structure – the core phase and the elective phase.

Stage 1 – Core phase (54 UOC)	UOC
Nine core courses completed over 2 sessions	
Accounting	6
Data Analysis and Decision Making under Uncertainty	6
Economics	6
Finance	6
Marketing Management	6
Operations Management	6
Organisational Behaviour	6
Strategy	6

Stage 2 – Elective phase (42 UOC)

Seven elective courses from the following disciplines

- Accounting
- Economics
- Finance
- General management
- Marketing
- Organisational behaviour
- Statistics and operations management.

During the elective phase, you may apply to go on an international exchange program at one of the prestigious partner schools in Europe, North America and Asia including London Business School, The Wharton School of the University of Pennsylvania and Northwestern University. Internships, management projects and individual studies in management may also be undertaken during this phase.

Career and recruitment services
Career Services is an integral part of the AGSM and this team goes far beyond sourcing potential employment opportunities. AGSM Career Services Unit provides you with the opportunity to develop career management skills during the course of the MBA program. The range of career services is specifically designed to provide you with the tools for successful job searching and career advancement as well as the guidance and support needed to map out their long-term career paths. The tailored services provided include:

Career management programs - These programs provide you with a range of skills to pro-actively manage your career. These are delivered face-to-face via classroom/team sessions or online through the AGSM MBA Career Centre.

Career advice/guidance - Individual counselling sessions are available by appointment with the professional AGSM MBA Careers Services team to obtain more tailored career guidance and support.

Recruitment services - The AGSM Career Services Unit builds and develops strong relationships with companies who can benefit from having an MBA graduate in their organisation. Successfully aligning the skills and experience of MBA students with the needs of business is our key objective.

The Career Services Unit continually markets to previous and prospective recruiters and leverages from our strong alumni base. Prestigious clients include ABN AMRO Bank N.V., A.T. Kearney, Barclays Bank PLC, BMW (Japan), Boral Limited, Mercer LLC (China), and McKinsey & Company.

Professional recognition
The AGSM MBA program is accredited by the Association to Advance Collegial Schools of Business (AACSB) and has European Foundation for Management Development (EFMD) EQUIS accreditation, which places AGSM in an exclusive group of the world's leading business schools – only 142 of more than 13,000 business schools in the world have received EQUIS accreditation.

Scholarships
The AGSM prepares great people to achieve great things. We offer a range of scholarships for exceptional candidates who demonstrate leadership potential, academic ability and a commitment to their community. agsm.edu.au

AGSM MBA(X)
Program code 8625

Faculty
Business School

Estimated fees to complete
visit agsm.edu.au

Program Duration
3 to 7 years part-time (Distance/e-learning only. Visit business.unsw.edu.au/agsm for more information)

Entry
Session 1 (February), Session 2 (May), Session 3 (September)

Entry requirements
There are two pathways into the AGSM MBAx program:

1. A strong undergraduate degree (or equivalent qualification) and a minimum of 2 years professional or managerial work experience
2. At least 6 years of professional work experience.

Program structure
This is a newly designed flexible online specialist MBA. The program is contemporary and relevant and suitable for busy professionals seeking career advancement. The program consists of 12 courses (72 UOC): six core courses, and six specialisation courses from Technology, Change or Social Impact.
***International students can only study this program outside of Australia through distance learning.**

Core Courses	UOC
Select six courses from the following:	
Introduction to Management	6
Principles of Marketing	6
Accounting: A User Perspective	6
Business Economics	6
Fundamentals of Corporate Finance	6
Fundamentals of People Management	6
Quantitative Methods for Business Decision Making	6
Leadership in a Complex Environment	6
Strategy	6

Specialisation Course (sample list)	UOC
Select six courses (including one capstone course) from any of the streams below:	
Technology	
Project Management	6
Business Management for a Sustainable Environment	6
Management of Innovation and Technical Change	6
Information Systems Management	6
Strategic Management of Business and Technology	6
Information Technology in Business	6
e-Business Strategy and Management	6
Managing for Organisational Sustainability	6
Business Law and Technology	6
Supply Chain Management	6
Enterprise Risk Management	6
Intrapreneurship	6
Change	
Approaches to Change	6
Change Skills	6
Redesigning the Organisation	6
Systems for Change	6
Project Management	6
Managing Agile Organisations	6
Managing for Organisational Sustainability	6
Social Impact	
Social Impact: Entrepreneurs and Social Innovation (compulsory)	6
Corporate Responsibility and Accountability	6
Demonstrating Social Impact	6
Social Investment and Philanthropy	6
Social Impact Field Project	6
Design for Social Innovation	6
Leadership for Social Impact	6
Collaboration for Social Impact	6

Business Law

Master of Business Law

Program code 9231

Faculty
Law

Estimated first year tuition
A$37,680

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate non-law degree – minimum credit average OR undergraduate non-law degree with with minimum two years relevant professional experience.

Program structure
You are required to complete the compulsory course Legal Concepts, Research and Writing for Business Law in your first semester of study. In addition, if you have not previously undertaken legal studies within your Bachelor degree you are also required to complete two compulsory courses: Legal Foundations of Business, and Corporations and Business Associations Law. Students who have previously undertaken legal studies can select elective courses in place of these two courses.

To incorporate a specialisation, you will be required to obtain no less than 24 of the 48 UOC required for the award of the degree from the courses allocated to that specialisation. See law.unsw.edu.au/mbl for more information.

Specialisations
You can tailor the program to your needs by completing a generalist degree or choosing to specialise in one of the following areas:
- Corporate and Commercial Law
- Corporate, Commercial and Taxation Law
- Innovation Law
- International Business and Economic Law
- Media and Technology Law
- Taxation.

Career opportunities
The MBL is suited to commercial, government or international careers which have a legal aspect but do not require a person to be a lawyer such as an entrepreneur, small-business owner, accountant, company secretary, commercial transaction negotiators and managers, human resources, sales and marketing and corporate governance professionals. It is also a valuable qualification if you are seeking a career in a field where knowledge of legal requirements is an advantage.

Graduate Diploma in Business Law

Program code 5231

Faculty
Law

Estimated first year tuition
A$28,260

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate non-law degree. See law.unsw.edu.au/gdbl for more information.

Capability Management

Master of Capability Management

Program code 8399

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Capability Management is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications in management or a related discipline and/or extensive relevant professional experience who wish to gain a more detailed understanding of the managerial and technical skills and expertise relevant to planning and acquisition of complex technology and systems. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8399.html

Commerce

Master of Commerce

Program code 8404

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
The Master of Commerce consists of 12 courses (72 UOC):
2 core courses
3 gateway courses
6 specialisation courses
1 capstone course

Specialisations (to be decalred upon application):
Select one specialisation from the following:
Banking
Business Strategy
Economics and Finance
Enterprise Systems and Business Design
Finance
Human Resource Management
International Business
Management Accounting
Marketing
Organisation and Management Studies
Risk Management

Core Courses
Teams, Ethics, and Competitive Advantage (This course will focus on developing your skills to critique business practice, emphasising teamwork, ethics, and sustainability.)
Data Analysis course
(Select 1 course from the following – depending on your chosen specialisation):
Quantitative Methods for Business or Data Analysis for Business or Business Forecasting

Gateway Courses
Select three courses from the following (depending on your chosen specialisation):
Business Economics
E-Business

continued on next page

Elements of Marketing
Financial Accounting
Financial Literacy for Business Decisions
Financial Markets and Institutions
Fundamentals of Risk and Risk Management
Investments and Portfolio Selection
Legal Foundations of Business
Managing and Leading People

Specialisation Courses
Six courses (from your chosen specialisation)

One Capstone Course
The capstone course will consolidate your learning and allow you to develop technical skills in the area studied.
Capstone Portfolio Management Process (For Banking, Economics and Finance, and Finance specialisation)
Strategy Management Accounting (For Management Accounting specialisation)
Strategy, Marketing and Management (For all other specialisations)

Note: There is opportunity for high performing students to study a practicum course in place of the nominated capstone course.

Master of Commerce (Extension)

Program code 8417

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
2 years

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
The Master of Commerce (Extension) consists of 6 courses (96 UOC):
2 core courses
3 gateway courses
6 specialisation courses
4 elective courses
1 capstone course

Specialisations (to be decalred upon application):
Select one specialisation from the following:
Banking
Business Strategy
Economics and Finance
Enterprise Systems and Business Design
Finance
Human Resource Management
International Business
Management Accounting
Marketing
Organisation and Management Studies
Risk Management

Core Courses
Teams, Ethics, and Competitive Advantage (This course will focus on developing your skills to critique business practice, emphasising teamwork, ethics, and sustainability.)
Data Analysis course
(Select 1 course from the following – depending on your chosen specialisation):
Quantitative Methods for Business or Data Analysis for Business or Business Forecasting

Gateway Courses
Select three courses from the following (depending on your chosen specialisation):
Business Economics
e-Business
Elements of Marketing
Financial Accounting
Financial Literacy for Business Decisions
Financial Markets and Institutions
Fundamentals of Risk and Risk Management
Investments and Portfolio Selection
Managing and Leading People
Legal Foundations of Business

Master of Commerce and Master of Commerce (Extensions) Specialisations

Banking

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Financial Literacy for Business Decisions	6
Business Economics	6
Financial Markets and Institutions	6

Specialisation Courses	UOC
Required Specialisation Courses	
Investments and Portfolio Selection	6
Capital Budgeting and Financial Decisions	6
Financial Institution Management	6
Credit Risk and Loan Policy	6
International Banking Management	6

Elective Specialisation Course (sample list)	UOC
Select one course from the following:	
Personal Financial Planning and Management	6
International Corporate Finance	6
Applied Portfolio Management and Model	6
Alternative Asset Classes	6
Interpersonal Corporate Governance	6
Risk and Insurance	6
Real Estate Finance and Investment	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest Rate Derivatives	6
Financial Planning Advice and Ethics	6
Takeovers, Restructuring and Corporate Governance	6
Asia Pacific Financial Markets	6
Trading - Financial Securities	6

Capstone Course	UOC
Capstone Portfolio Management Process	6

Business Strategy

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Financial Literacy for Business Decisions	6
Business Economics	6
Managing and Leading People	6

Specialisation Courses	UOC
Required Specialisation Courses	
Economics of Strategy	6
Organisational Economics	6
Global Business and Multinational Enterprise	6
Global Business Strategy and Management	6

Elective Specialisation Course (sample list)	UOC
Select two courses from the following:	
Strategic Management Accounting	6
Global Business Operations and Management	6
Financial Systems and the Economy	6
Business Forecasting	6
Corporate Strategy in East Asia	6
Management Work and Organisation	6
Strategic Management Technology Innovation	6
Managing Organisational Change	6
Strategic Human Resource Management	6
Social Impact Field Project	6
Entrepreneurship and New Venture Management	6
Managing Human Capital for Sustainability	6

Capstone Course	UOC
Strategy, Marketing and Management	6

Economics and Finance

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Financial Literacy for Business Decisions	6
Business Economics	6
Financial Markets and Institutions	6

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Specialisation Courses	UOC
Required Specialisation Courses	
Financial Economics	6
Financial Systems and Economy	6
Investments and Portfolio Selection	6

Elective Specialisation Course (sample list)	UOC
Select three courses from the following:	
Real Estate Economics and Public Policy	6
Financial Econometrics	6
Business Forecasting	6
Capital Budgeting and Financial Decisions	6
International Corporate Finance	6
Financial Institution Management	6
Derivatives and Risk Management Techniques	6
Social Impact Field Project	6

Capstone Course	UOC
Capstone Portfolio Management Process	6

Enterprise Systems and Business Design

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Compulsory Gateway Courses	
Financial Literacy for Business Decisions	6
e-Business	6

Elective Gateway Courses	UOC
Select one course from the following:	
Business Economics	6
Elements of Marketing	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6
Legal Foundations of Business	6
Managing and Leading People	6

Specialisation Courses	UOC
Required Specialisation Courses	
Enterprise Systems	6
Business Analysis and Consulting	6

Elective Specialisation Course (sample list)	UOC
Select three courses from the following:	
Business Process Management	6
Project Management	6
Business Analytics	6
Service and Quality Management	6
Information Systems Auditing and Assurance	6
Security and Ethics in Cyberspace	6
Managing IS/IT Risk	6
Business Intelligence Methods	6

Select one courses from the following:	
Managing Agile Organisations	6
Management Accounting and Business Analysis	6
Economics of Strategy	6
Organisational Economics	6
International Corporate Governance	6
Takeovers, Restructuring and Corporate Governance	6
E-Business and the Law	6
Distribution, Retail Channels and Logistics	6
New Product and Service Development	6
Global Business and Multinational Enterprise	6
Social Impact Field Project	6
Global Business Operations and Management	6
Asia Pacific Business and Management	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

Finance

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Financial Literacy for Business Decisions	6
Business Economics	6
Financial Markets and Institutions	6

Specialisation Courses	UOC
Required Specialisation Courses	
Investments and Portfolio Selection	6
Capital Budgeting and Financial Decisions	6

Elective Specialisation Course (sample list)	UOC
Select four courses from the following:	
Personal Financial Planning and Management	6
International Corporate Finance	6
Applied Portfolio Management and Modelling	6
Alternative Asset Classes	6
International Corporate Governance	6
Financial Institution Management	6
Risk and Insurance	6
Real Estate Finance and Investment	6
Credit Risk and Loan Policy	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest Rates	6
Financial Planning Advice and Ethics	6
Takeovers, Restructuring and Corporate Governance	6
Asia Pacific Financial Markets	6
Behavioural Approach Finance	6
Advanced Investment and Advanced Funds Management	6
Applied Funds Management	6
International Banking Management	6
Social Impact Field Project	6
Trading - Financial Securities	6

One Capstone Courses	UOC
Capstone Portfolio Management Process	6

Human Resource Management

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Compulsory Gateway Courses	
Financial Literacy for Business Decisions	6
Managing and Leading People	6

Elective Gateway Courses	UOC
Select one course from the following:	
Business Economics	6
e-Business	6
Elements of Marketing	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6
Legal Foundations of Business	6

Specialisation Courses	UOC
Required Specialisation Courses	
Organisations and People	6
Human Resource Management	6
Employment Relations	6
Strategic Human Resource Management	6

Elective Specialisation Course (sample list)	UOC
Select two courses from the following:	
Cross-Cultural Management	6
Employment and Industrial Law	6
Negotiation Skills	6
Technology, Management and Innovation	6
Strategic Management Technology Innovation	6
Organisational Behaviour	6
Leadership for Social Impact	6
Managing Organisational Change	6
Remuneration and Performance Management	6
International Human Resource Management	6
Social Impact Field Project	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

International Business

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis course	6

Gateway Courses	UOC
Compulsory Gateway Courses	
Financial Literacy for Business Decisions	6
Managing and Leading People	6

Elective Gateway Courses	UOC
Select one course from the following:	
Business Economics	6
e-Business	6
Elements of Marketing	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6
Legal Foundations of Business	6

Specialisation Courses	UOC
Required Specialisation Courses	
Global Business and Multinational Enterprise	6
Cross-Cultural Management	6
Global Business Strategy and Management	6
Asia Pacific Business and Management	6

Elective Gateway Courses	UOC
Select two courses from the following:	
Management Control Systems	6
International Corporate Finance	6
Business Law in a Global Economy	6
International Business Tax	6
Chinese Business and Management	6
Corporate Strategy in East Asia	6
Global Business Operations and Management	6
Special Topic in International Business	6
International Human Resource Management	6
Entrepreneurship and New Venture Management	6
Social Impact Field Project	6
Business and Security	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

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Management Accounting

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
Quantitative Methods for Business	6

Gateway Courses	UOC
Financial Accounting	6
Business Economics	6
Investments and Portfolio Selection	6

Specialisation Courses	UOC
Required Specialisation Courses	
Business Analysis & Valuation	6
Corporate Accounting and Regulation	6
Advanced Financial Reporting	6
Management Accounting and Business Analysis	6
Project Management	6

Elective Gateway Courses	UOC
Select one course from the following:	
Management Control Systems	6
Capital Budgeting and Financial Decisions	6
Accounting Information Systems	6
Elements of Marketing	6
Global Business and Multinational Enterprise	6
Human Resource Management	6
Social Impact Field Project	6

Capstone Courses	UOC
Strategy Management Accounting	6

Marketing

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis Course	6

Gateway Courses	UOC
Compulsory Gateway Courses	
Financial Literacy for Business Decisions	6
Elements of Marketing	6

Elective Gateway Courses	UOC
Select one course from the following:	
Business Economics	6
e-Business	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6
Legal Foundations of Business	6
Managing and Leading People	6

Specialisation Courses	UOC
Required Specialisation Courses	
Consumer Behaviour	6
Creativity and Innovation	6
Applied Marketing Research	6

Elective Specialisation Course (sample list)	UOC
Select three courses from the following:	
Marketing Communication and Promotion	6
Distribution Retail Channels and Logistics	6
e-Marketing	6
International Marketing in Asia	6
Services Marketing	6
Non-Profit and Social Marketing	6
Contemporary Issues in Marketing	6
Events Management and Marketing	6
Social Impact Field Project	6
Brand Management	6
Marketing Analytics	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

Organisation and Management

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis Course	6

Gateway Courses	UOC
Compulsory Gateway Courses	
Financial Literacy for Business Decisions	6
Managing and Leading People	6

Elective Gateway Courses	UOC
Select one course from the following:	
Business Economics	6
e-Business	6
Elements of Marketing	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6
Legal Foundations of Business	6

Specialisation Courses	UOC
Required Specialisation Courses	
Negotiation Skills	6
Organisational Behaviour	6
Competitive Advantage Through People	6
Organisations and People in Context	6

Elective Specialisation Course (sample list)	UOC
Select two courses from the following:	
Managing Intangible Resources	6
Managing Agile Organisations	6
Cross-Cultural Management	6
Global Business Strategy and Management	6
Global Business Operations and Management	6
Technology Management and Innovation	6
Strategic Management of Technology Innovation	6
Managing Organisational Change	6
Strategic Human Resource Management	6
Social Impact Field Project	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

Risk Management

Core Courses	UOC
Teams, Ethics and Competitive Advantage	6
One Data Analysis Course	6

Gateway Courses	UOC
Financial Literacy for Business Decisions	6
Financial Markets and Institutions	6
Fundamentals of Risk and Risk Management	6

Specialisation Courses	UOC
Required Specialisation Courses	
Investments and Portfolio Selection	6
People, Organisations and Risk	6
Legal Risk Analysis	6

Elective Specialisation Course (sample list)	UOC
Select three courses from the following:	
Business Risk Management	6
Managing IS/IT Risk	6
Governing and Managing Organisational Risk	6
Financial Institution Management	6
Risk and Insurance	6
Strategic Management of Risk and Loan Policy	6
Social Impact Field Project	6
Business and Security	6

Capstone Courses	UOC
Strategy, Marketing and Management	6

Community Eye Health

Master of Community Eye Health
Program code 8761

Faculty
Science

Estimated first year tuition
A$33,840

Program Duration
1 year by distance learning

Entry
February and July

Entry requirements
A recognised Bachelor degree and at least two years of work experience relevant to community eye health.

Program structure
Students complete 48 UOC of core courses as described below:

Core Courses	UOC
Introduction to Community Eye Health	6
Community Eye Health Needs Assessment	6
Epidemiology of Blinding Eye Diseases	6
Advocacy and Education in Community Eye Health	6
Eye Health Economics and Sustainability	6
Eye Care Program Management	6
Research Project	12

Construction Project Management

Master of Construction Project Management
Program code 8121

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised Bachelor degree in a relevant field such as building, construction management, construction economics, civil engineering, mining engineering, architecture, quantity surveying, property development and real estate. In addition to the academic requirement, you are required to have a minimum of 12 months management experience in the construction industry.

Program structure
A total of 72 units of credit (UOC) is required, consisting of six core courses (36 UOC), three elective courses (18 UOC), Research Seminar (6 UOC) and a research project (12 UOC).
*Applicants with a relevant bachelor degree with Honours, or a relevant bachelor degree with credit average or above and 12 months industry experience at a management level, will be entitled to 24 units of transfer credit.

Core Courses (36 UOC)	UOC
Construction Informatics	6
Management of Construction Organisations	6
Construction Contract Administration	6
Practice of Construction Project Management	6
The Theory of Construction Project Management	6
Construction Risk Management and Business Analytics	6

PLUS

Elective Courses (18 UOC)	UOC
Suggested Elective courses:	
Construction Planning and Control	6
Construction Cost and Value Management	6
International Construction	6
Property Performance Analysis	6
Property Development and Feasibility Analysis	6
Resources, Materials and Sustainability	6

Research Courses (18 UOC)	UOC
Research Seminar	6
Research Project	6

All courses are offered in only one semester per year. Some courses may not be offered every year. Please check with the Faculty Student Centre prior to enrolment.

Career opportunities
This program is appropriate if you are seeking to advance your career in construction project management, design management, contracts management, construction corporate management (including human resource management), value management and international project management.

Criminal Justice and Criminology

Master of Criminal Justice and Criminology
Program code 9285

Faculty
Law

Estimated first year tuition
A$34,980

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree - minimum credit average OR undergraduate degree with minimum two years relevant professional experience.

Program structure
You are required to complete the compulsory course, Explaining Crime, in the first year of study, and non-law graduates must also complete the compulsory courses Legal Concepts, Research and Writing for Criminal Justice and Criminology, and Conceptualising Criminal Laws. See law.unsw.edu.au/mcjc for more information

Career opportunities
This program provides graduates (lawyers and non-lawyers) with a specialisation in contemporary criminal justice challenges across a diverse area (including areas such as international criminal law, fraud and money-laundering and human rights). This degree offers advanced career options for lawyers in criminal legal practice or in the development of public policy, both nationally and internationally. For non-law graduates this qualification may build on existing criminal justice and criminological expertise or it may be the basis of developing a specialised expertise in criminal justice and criminological issues. Career opportunities arise in criminal justice-related environments such as in corrective services, court administration and in fields of health and welfare that intersect with criminal justice.

Graduate Diploma in Criminal Justice and Criminology
Program code 5285

Faculty
Law

Estimated first year tuition
A$26,790

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree. See the Master of Criminal Justice and Criminology entry and law.unsw.edu.au/gdcjc for further information.

Curating and Cultural Leadership

Master of Curating and Cultural Leadership
Program code 9318

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
1 – 2 years

Entry
February and July

Entry requirements
Depending on the level and nature of prior qualifications, admission to the Master of Curating and Cultural Leadership makes provision for three entry points with different durations:
- A recognised Bachelor degree with at least a credit average (65) or equivalent. The Bachelor degree can be in any field. This provides admission into the 2 year program (96 UOC).
- A recognised Bachelor degree in a related field with at least a credit average (65) or equivalent. This provides admission into the 1.5 year program (72 UOC).
- An Honours Degree in a related field with at least 12 months industry experience. This provides direct admission to the advanced 1 year program (48 UOC)

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Related disciplines include Art History, Art Theory, Art Curating, Art Education, Museum and/or Heritage Studies, Cultural Heritage Materials Conservation, Design Education.

Specialisations
- **Curating:** focuses on contemporary curating as a diverse and dynamic profession, which plays a key role in setting cultural agendas and discovering new ground. The curatorial strand emphasises experimentation and the development of a strong independent practice through curatorial studios and live public projects.
- **Cultural Leadership:** includes museum management, public programming and engagement, education, policy, critical writing, promotion, production and the many new roles emerging in contemporary digital culture. It emphasises the fluid boundaries between all of these activities, and promotes a collaborative approach. This strand fosters a vision of leadership that is diverse and limited by neither age nor status, it educates students to develop a unique individual philosophy underpinned by a robust and flexible skill set.

Program structure – 2 year program

Program structure	UOC
8 Prescribed Core Courses	48
6 Stream Courses	36
2 Open Electives	12
Total units of credit (UOC)	96

Core Courses	UOC
Communication Skills for Creative Disciplines	6
Research Foundations in Art & Design	6
Australian Arts Ecology	6
Writing for Different Cultures	6
Cultural Property, Ethics & Law	6
Internship	6
Art after Postmodernism OR Beyond Modernities	6
Research Paper or Exhibition Project	6

Cultural Leadership Stream (36 UOC)	
Leadership	6
Arts and Cultural Policy	6

Curating Stream (36 UOC)	
Exhibiting Cultures	6
Contemporary Curating	6

Select 4 of the following courses:	UOC
Financial Literacy for Business Decisions	6
Managing Agile Organisations	6
Designing Exhibitions	6
World Biennales: Field Trip	6
Management and Organisation	6
Contemporary Curating	6
Education and Public Programs	6
Marketing and Promotion	6
History of Exhibition of Australia Art	6
Registration and Handling	6
Aboriginal Art Issues	6
Visual and Museum Cultures of the Asia Pacific Region	6
Exhibiting Cultures	6
Curatorial: Social Space	6
Curatorial: Site and Situation	6
Collections and Re-collections	6

Elective Courses	UOC
One elective course	6
One advanced disciplinary level elective course	6

Career opportunities
The program equips graduates with the intellectual tools, contextual understanding and professional skills needed to enter a career in arts organisations and work in various capacities with practitioners, audiences, sponsors and funding bodies on interdisciplinary initiatives in the creative industries.

The Master of Curating and Cultural Leadership program also prepares individuals for research should they wish to pursue a higher research degree.

Graduate Diploma in Cultural Leadership
Program code 5312

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
1 year

Entry
February and July

Entry requirements
Depending on the level and nature of prior qualifications, admission to the Graduate Diploma in Curating and Cultural Leadership makes provision for three entry points with different durations:
- A recognised Bachelor degree with at least a credit average (65) or equivalent. The Bachelor degree can be in any field. This provides admission into the 1 year program (48 UOC).
- A recognised Bachelor degree in a related field with at least a credit average (65) or equivalent. This provides admission into the 0.5 year program (24 UOC). Related disciplines include Art History, Art Theory, Art Curating, Art Education, Museum and/or Heritage Studies, Cultural Heritage Materials Conservation, Design Education.
- A Graduate Certificate in Arts Administration or equivalent. This provides admission into the 0.5 year program (24UOC).

Program structure

Program structure	UOC
4 Prescribed Core Courses	24
3 Stream Courses	18
1 Elective Course	6
Total units of credit (UOC)	48

Core Courses	UOC
Communication Skills for Creative Disciplines	6
Research Foundations Art & Design	6
Australian Arts Ecology	6
Art after Postmodernism or Contemporary Creative Practices: Methods	6

Stream Courses (18 UOC)	UOC
Select three courses from the following:	
Cultural Leadership	
Financial Literacy for Business Decisions	6
Managing Agile Organisations	6
Marketing and Promotion	6
Arts and Cultural Policy	6
Visual and Museum Cultures of the Asia Pacific Region	6
Leadership in the Cultural and Creative Industries	6
Management of Arts Organisations	6
Audience Engagement, Education and Public Programs	6
Right Here Right Now: Contemporary Issues in Aboriginal Art	6
Curating	
World Biennales	6
Contemporary Curating: Histories Theories, Practices	6
Design the Experience: Exhibitions and Beyond	6
Histories and Exhibitions of Australian Art	6
Exhibitions Cultures	6
Conservation, Registration and Handling	6
Curatorial: Social Space	6
Curatorial: Site and Situation	6
Collections and Re-collections	6

Elective Courses	UOC
One art or design studio elective course	6

Graduate Certificate in Cultural Leadership

Program code 7318

Faculty
Art & Design

Estimated first year tuition
A$14,280

Program Duration
6 months

Entry
February and July

Entry requirements
A recognised Bachelor degree with at least a credit average (65) or equivalent. The Bachelor degree can be in any field.

Program structure – 6 months program

Program structure	UOC
2 Prescribed Core Courses	12
1 Stream Course	6
1 Art/Design/Media Elective	6
Total units of credit (UOC)	24

Core Courses	UOC
Communication Skills for Creative Disciplines	6
Art after Postmoderism OR Contemporary Creative Practices: Methods	6
Add one of the following: Introduction to Arts and Cultural Policy (Cultural Leadership course)	6
OR Exhibiting Cultures (Curatorial Practice Stream students)	6

Cyber Security

Master of Cyber Security

Program code 8628

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Cyber Security is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications in IT, computer science, electrical computer or systems engineering or a related discipline and/or extensive relevant professional experience who wish to gain a more detailed understanding of the technical skills and expertise relevant to the technical implementation and leadership of the cyber security function. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8628.html

Master of Cyber Security Operations

Program code 8629

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Cyber Security Operations is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications in management or a related discipline and/or extensive relevant professional experience who wish to gain a more detailed understanding of the managerial and technical skills and expertise relevant to planning, operation and acquisition of the cyber security function. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8629.html

Design

Master of Design

Program code 9313

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
2 years

Entry
February and July

Entry requirements
Depending on the level and nature of prior qualifications, admission to the Master Design makes provision for three entry points with different durations:
- A recognised Bachelor degree with at least a credit average (65) or equivalent. The Bachelor degree can be in any field. This provides admission into the 2 year program (96 UOC).
- A recognised Bachelor degree in a related field with at least a credit average (65) or equivalent.
- This provides admission into the 1.5 year program (72 UOC).
- An Honours Degree in in a cognate field. This provides direct admission to the advanced 1 year program (48 UOC)

Program structure – 2 year program

Program structure	UOC
4 Core Design Studio courses	30
6 Design Studio Specialisation courses	36
5 Design Context courses	30
Total units of credit (UOC)	96

Core Courses	UOC
Interdisciplinary Studio 1: Insights, Processes and Communication	6
Interdisciplinary Studio 2: Critical Approaches to Practice	6
Interdisciplinary Studio 3: Culture, Identity and Principles	6
Design Studio Project	12

Design Studio Specialisation	UOC
Select six of the following courses	

Experience Design

Interdisciplinary courses focused on the design of products, processes, services, events and spatial environments, with a focus on the quality of the user experience.

Transforming the Everyday: Domestic Futures	6
Designing the Experience: Exhibitions and Beyond	6
Participatory Design for Commercial Contexts	6
People, Places and Cultural Contexts	6

Graphic Communication

Involves graphic design for paper and print, interactive media and broadcast encompassing contemporary typography, graphic design and cross-cultural communication strategies in designing for different audiences.

Collaboration & Communication in Graphic Design: An Introduction	6
Graphics Media: Contemporary Typography	6

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Graphics and Contemporary Society	6
Graphic Design for Screen	6

Visualisation and Visual Effects

Involves designing for animation, 3D, sound, film, video, illustration, computing and other digital media

Exploring 3D Visualisation	6
3D Digital Aesthetics	6
3D Immersion and Interaction	6
Design and Production in Context	6

Future Making

The designing and making of objects with new materials using digital technologies and craftsmanship. Future Making works with jewellery design, ceramics, metal, textiles, furniture and lighting design.

New Technologies, Traditional Techniques: Hybrid Crafting	6
Material Thinking	6
Crafting a Sustainable Future	6
Society, Collaboration and Cultural Practices	6

Interaction Design

Involves interactive visual communication and user experience across graphics, media and emergent interactives.

Fundamentals of Interaction Design: Human - Computer Interactions	6
Interactive Design Proposals for Products and Services	6
Tangible Interfaces, Immersive Interactions	6
Design and Production in Context	6

Design Context Courses	UOC
Communication Skills for Creative Disciplines	6
Research Foundations in Art & Design	6
Imperatives for a Sustainable Future	6
Entrepreneurship Innovation & Creativity	6
Leadership in the Cultural and Creative Industries	6

Career opportunities
The Master of Design program provides established and early career design professionals with new perspectives on design practice, concentrating on flexible, integrated, interdisciplinary approaches to design informed by a combination of the latest industry thinking and academic research.

The Master of Design program combines an industry-engaged, studio-based and exploratory approach that incorporates opportunities for students to work collaboratively and to experiment with new and unfamiliar technologies. The combination of design theory, research and development, that underpins this program along with the opportunities it offers for students to pursue and experiment with innovative and new technical studio practices is conceived to prepare and inform graduate designers to assist them to contribute to and shape rapidly evolving international design contexts and future workplace cultures in response to significant creative, social and environmental challenges and opportunities.

Graduate Diploma in Design

Program code 5306

Faculty
Art & Design

Estimated first year tuition
A$28,560

Program Duration
1 year

Entry
February and July

Entry requirements
- A recognised Bachelor's degree.
- Applicants who submit evidence of other academic qualifications in a cognate field, with an additional minimum 2 years of verified professional design experience

In exceptional cases an applicant who submits evidence of such other academic qualifications and professional experience, as may be approved by the Committee, may be permitted to enrol for the qualification as a pathway to the Master of Design.

Program structure – 6 months program

Program structure	UOC
2 Design Core Studio courses	12
4 Studio Specialisation courses	24
2 Design Context courses	12
Total units of credit (UOC)	48

Core Courses	UOC
Interdisciplinary Studio 1: Insights, Processes and Communication	6
Interdisciplinary Studio 2: Critical Approaches to Practice	6

Design Studio Specialisation	UOC
Select four of the following courses	

Experience Design

Transforming the Everyday: Domestic Futures	6
Designing the Experience: Exhibitions and Beyond	6

Graphic Communication

Collaboration & Communication in Graphic Design: An Introduction	6
Graphics Media: Contemporary Typography	6

3D Visualisation and Visual Effects

Exploring 3D Visualisation	6
3D Digital Aesthetics	6

Future Making

New Technologies, Traditional Techniques:	6
Material Thinking	6

Interaction Design

Fundamentals of Interaction Design: Human - Computer Interactions	6
Interactive Design Proposals for Products and Services	6

Design Contextual Studies Courses	UOC
Communication Skills for Creative Disciplines	6
Research Foundations in Art & Design	6

Graduate Certificate in Design

Program code 7306

Faculty
Art & Design

Estimated first year tuition
A$14,280

Program Duration
6 months

Entry
February and July

Entry requirements
- A recognised Bachelor's degree.
- Applicants who submit evidence of other academic qualifications in a cognate field, with additional minimum 2 years verified professional design experience

In exceptional cases an applicant who submits evidence of such other academic qualifications and professional experience, as may be approved by the Committee, may be permitted to enrol for the qualification as a pathway to the Master of Design.

Program structure – 6 months program

Program structure	UOC
1 Core Design studio course	6
2 Studio Specialisation course	12
1 Design Context courses	6
Total units of credit (UOC)	24

Core Courses	UOC
Interdisciplinary Studio 1: Insights, Processes and Communication	6

Design Studio Specialisation	UOC
Select two of the following courses:	
Transforming the Everyday: Domestic Futures	6
Identity, Symbols and Information	6
Managing Change, Innovation and Creativity	6
New Technologies, Traditional Techniques	6

Design Contextual Studies Courses	UOC
Communication Skills for Creative Disciplines	6

Development Studies

Master of Development Studies

Program code 8942

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
February and July

Our Master of Development Studies offers you a flexible and interactive postgraduate degree that provides specialist studies in development at the local, national and international level.

You are able to choose from two specialisations:
- International Development
- Refugees and Displacement

Entry requirements
Admission to the Master of Development Studies is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) *OR*
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), *plus* one year relevant professional experience *OR*
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%).

1 Year Program (48 UOC)
- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) *OR*
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), *plus* one year relevant professional experience.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

Relevant disciplines include: Social Sciences, Humanities, Business, Economics, Law, Public Health, Communications and Social Work.

Relevant professional experience can include: Work or volunteer experience in community, social and economic development, social research and policy, public health, the environment, displacement, poverty alleviation, human rights and advocacy based programs and projects. This can be developed through working for relevant organisations including non-governmental, social service, community-based, philanthropic, United Nations or inter-governmental agencies or local, state and federal governments departments.

Program structure
1.5 Year Program (72 UOC)
1. Core Courses (36 UOC)
2. Research Course (6 - 18 UOC)
3. Elective Courses (18 - 30 UOC)

1 Year Program (48 UOC)
1. Core Courses (24 UOC)
2. Research Course (6 - 18 UOC)
3. Elective Courses (6 - 18 UOC)

Courses

International Development Specialisation

Core Courses	UOC
Non-Government Organisations and Development	6
International Government Policy	6
Development, Rights and Health	6
Community Development	6
Research Methods (1.5 year stream only)	6
Project Design (1.5 year stream only)	6

Research Courses	UOC
Complete 1 research course:	
Research Report	6
Research Project*	12
Research Thesis*	18

* Pathway to higher degrees research for students who achieve high grades.

Elective Courses	UOC
Complete between 6 to 30 UOC of elective courses depending on your program duration and research course selection. Electives include:	
Climate Change and Development	6
The Legal Landscape of the Sharing Economy	6
International Organisations and Global Politics	6
The International Political Economy	6
Politics of International Law	6
Developing Countries and International Relations	6
Politics of International Aid	6
Rights Based Project Design and Evaluation	6
Refugees and Forced Migration	6
Protection in Practice	6
International Advocacy: Development and the UN	6
Policy Analysis	6
Policy and Advocacy	6
Power, Politics and Policy	6
Research Methods (1 year stream only)	6

Refugees and Displacement Specialisation

Core Courses	UOC
International Development Policy	6
Community Development	6
Refugees and Forced Migration	6
Protection in Practice	6
Research Methods (1.5 year stream only)	6
Project Design (1.5 year stream only)	6

Research Courses	UOC
Complete 1 research course:	
Research Report	6
Research Project*	12
Research Thesis*	18

* Pathway to higher degrees research for students who achieve high grades.

Elective Courses	UOC
Complete between 6 to 30 UOC of elective courses depending on your program duration and research course selection. Electives include:	
Non-Government Organisations and Development	6
Development, Rights and Health	6
Climate Change and Development	6
International Organisations	6
The International Political Economy	6
Politics of International Law	6
Developing Countries and International Relations	6
Politics of International Aid	6
Rights Based Project Design and Evaluation	6
International Advocacy: Development and the UN	6
Policy Analysis	6
Policy and Advocacy	6
Power, Politics and Policy	6
Research Methods (1 year stream only)	6

Career opportunities
Graduates have built diverse and rewarding career paths in local and international development, from practice-based roles to research and policy within education and government. Graduates are found in roles in the United Nations, local and international development agencies, policy and advocacy groups, community based organisations and government departments.

Dispute Resolution

Master of Dispute Resolution

Program code 9235

Faculty
Law

Estimated first year tuition
A$37,200

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree - minimum credit average OR undergraduate degree with minimum two years relevant professional experience.

Program structure
You are required to complete two compulsory courses, Dispute Resolution and Principled Negotiation (12 UOC) with the balance of the program selected from the elective courses on offer. Non-law graduates must complete one of the following courses: Legal Concepts, Research and Writing for Business Law or Legal Concepts, Research and Writing for Criminal Justice and Criminology. See law.unsw.edu.au/mdr for more information.

Career opportunities
Lawyers and practitioners from non-legal backgrounds have identified the need to expand their skills and knowledge in the new and ever changing field of professional dispute resolution. This program would be of particular relevance to professions such as court registrars, policy advisors, lawyers, mediators, arbitrators, managers, diplomats, and industrial relations specialists.

Graduate Diploma in Dispute Resolution

Program code 5235

Faculty
Law

Estimated first year tuition
A$27,900

Program Duration
1 years

Entry
February and July

Entry requirements
Undergraduate degree. See the Master of Dispute Resolution entry and law.unsw.edu.au/gddr for further information.

Economics

Master of Economics

Program code 8412

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1 year

Entry
February

Entry requirements
There are three categories of entry:

Category A - A recognised Honours degree (with a research thesis) in economics with a Second Upper Class (2.1) or better.

Category B - A recognised Bachelor degree (or equivalent) majoring in economics with a minimum overall average of 70%, as determined by UNSW Business School. The economics major must include second- or third- year courses in microeconomics, macroeconomics, econometrics and mathematical economics at a minimum average grade of 70% for these courses.

Category C - A Graduate Certificate in Economics (equivalent to that offered at UNSW) with a minimum overall average of 70%, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure

Core Courses	UOC
Microeconomic Analysis	6
Macroeconomic Analysis	6
Econometric Analysis	6
Mathematical Economics	6

Elective Courses (Sample list)	UOC
Choose four courses from the following:	
Advanced Microeconomic Analysis	6
Advanced Macroeconomic Analysis	6
Advanced Econometric Theory	6
Policy Evaluation Methods	6
Applied Econometrics	6
Strategic Market Behaviour	6
International Trade	6
Economics of Labour Markets	6
Environmental Economics	6
Microeconometric Modelling	6
Health Economics	6
Special Topics in Economics	6
Economic Measurement	6
Advanced Experimental Economics	6
With approval from the Program Director, elective courses may be selected from the following:	
Financial Economics	6
Superannuation and Retirement Benefits	6
Financial Econometrics	6
Business Forecasting	6
Retirement Saving and Spending over the Life cycle	6
Real Estate Economics and Public Policy	6

Education

Master of Education

Program code 8910

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 year

Entry
March and July

The Master of Education one year degree programs are designed for qualified teachers and educators who wish to expand their career opportunities and enhance their professional development.

Specialisations
Specialisations available in:
- Assessment and Evaluation
- Educational Psychology
- Educational Studies
- Gifted Education
- Higher Education
- Special Education
- TESOL (Teaching English to Speakers of Other Languages)
- Visual Arts Education

Entry requirements
- A recognised Bachelor degree or a postgraduate teaching qualification (e.g. Graduate Diploma of Education or Master of Teaching) OR
- A four year pre-service teacher education qualification, including professional experience, equivalent to the qualifications required for graduate

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teacher status in New South Wales, Australia.
For students seeking a secondary teacher qualification, please see Master of Teaching (8926).

Professional accreditation
These programs are endorsed by the Board of Studies, Teaching and Educational Standards NSW (BOSTES) as registered professional development.

Program structure

Assessment and Evaluation – 48 UOC or 8 courses

Assessment and Evaluation Core Courses	24 UOC
Complete 4 core courses from the following list:	
Educational Assessment	6
Introduction to Modern Testing	6
Curriculum and Assessment	6
Evaluation of Educational Programs	6
Assessment for Learning	6

Assessment and Evaluation Research Courses	12 UOC
Complete 1 research methodology course from the following list:	
Ethnographic Methodology	6
Experimental Research Design	6
Qualitative Research	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Assessment and Evaluation Elective Courses	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Educational Psychology – 48 UOC or 8 courses

Educational Psychology Core Courses	24 UOC
Complete 2 core courses:	
Learning and Problem Solving	6
Human Development and Education	6
AND complete 2 courses from the following list:	
Behaviour Management	6
Motivation in Education	6
Leading Individuals and Teams	6
Creativity and Giftedness	6

Educational Psychology Research Courses	12 UOC
Complete 1 research methodology course from the following list:	
Experimental Research Design	6
Survey Research	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Educational Psychology Elective Courses	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Gifted Education – 48 UOC or 8 courses

Gifted Education Core Courses	24 UOC
Key Concepts and Issues in Gifted Education *OR*	6
Current Issues in Education of Intellectually Gifted Children	6
AND 3 courses from the following list:	
Leadership for Gifted Children	6
Identification of Gifted Children	6
Developing Effective Programs for Gifted Children	6
Curriculum Differentiation and Assessment in Gifted Education	6
Social and Emotional Development of Intellectually Gifted Children	6

Gifted Education Research Courses	12 UOC
Complete 1 research methodology course from the following list:	
Ethnographic Methodology	6
Experimental Research Design	6
Survey Research	6
Qualitative Research Method	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Gifted Education Elective Courses	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Higher Education – 48 UOC or 8 courses

Higher Education Core Courses	24 UOC
Complete 1 core course:	
Issues in Higher Education	6
AND complete 3 courses from the following list:	
Student Learning in Higher Education	6
Educational Design for Learning in Higher Education	6
Enhancing Learning & Teaching in Higher Education	6
Adult Learning	6

Higher Education Research Courses	12 UOC
Complete 1 research methodology course from the following list:	
Ethnographic Methodology	6
Experimental Research Design	6
Survey Research	6
Qualitative Research Method	6
Classroom-based Research	6
Researching in Higher Education	
AND complete 1 research project course:	
Research Project	6

Higher Education Elective Courses	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Special Education – 48 UOC or 8 courses

Strand 1 (48 UOC)
For qualified teachers seeking an accredited specialist qualification in Special Education and have no prior studies in this area.

Strand 2 (24 UOC)
For qualified teachers who hold an accredited specialist qualification in Special Education and who wish to update and/or extend their professional learning, with the option of going on to higher degree research.

Special Education Core Courses	48 UOC
Strand 1 – Complete 8 core courses	
Strand 2 – Complete 4 core courses from the following list:	
Behaviour Management of Exceptional Students	6
Teaching Methods for High Incidence Disabilities	6
Intellectual Disabilities	6
Students with Autism Spectrum Disorders: Educational Practices	6
Communication Disorders and Assistive Technology	6
Transitions in the Lives of Students with Disabilities	6
Inclusive Education: Planning, Policy and Pedagogy	6
Professional Practice for Special Education	6

Special Education Research Courses	24 UOC
Strand 2 – complete 1 research methodology course from the following list:	
Ethnographic and Action Research	6
Experimental Research Design	6
Survey Research Design and Analysis	6
Qualitative Research	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Special Education Elective Courses	12 UOC

Strand 2 – complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

TESOL – Teaching English to Speakers of Other Langages – 48 UOC or 8 courses

Strand 1 (48 UOC)
For qualified teachers who require an accredited specialist qualification in TESOL, and have no prior studies in Linguistics or TESOL. Students undertake a sequence of courses to meet Australian TESOL accreditation requirements, including 25 days of supervised professional practice in an intensive ESL setting and or working with ESL classes in mainstream school context.

TESOL Strand 1 Core Courses	48 UOC
Complete 8 core courses:	
Issues in Language Education	6
TESOL Professional Practice	6
Advanced TESOL Method	6
TESOL Curriculum Design and Assessment	6
Second Language Acquisition	6
Discourse Analysis	6
Linguistics of Spoken English	6
Linguistics Analysis	6

Strand 2 (24 UOC)
For qualified teachers who hold an accredited specialist qualification in TESOL who want to update and /or extend their professional learning, with the option of going on to higher degree studies.

TESOL Strand 2 Core Course	6 UOC
Contemporary Issues in Language Education	6

TESOL Strand 2 Applied Linguistics Courses	24 UOC
Complete 4 courses from the following list:	
Special Project in Applied Linguistics	6
Second Language Acquisition	6
Testing and Evaluation	6
The Grammar of English	6
Bilingualism	6
Discourse Analysis	6
Cross-cultural Pragmatics	6
Linguistic Approached to Spoken English	6
Introduction to Linguistic Analysis	6
Linguistics and Cognitive Science	6

Select elective courses OR research courses:

TESOL Strand 2 Elective Courses	18 UOC
Complete 3 of the following courses:	
Teaching Oral Communication	6
Adult Learning	6
Scaffolding EAL/D Learners in the Challenging Zone	6
Assessment for Learning: From Theory to Practice	6
Culture, Communication and the Curriculum	6
Developing Literacies: From Kindergarten to University	6
Language and Learning: Sociocultural Perspectives	6

OR

TESOL Strand 2 Research Courses	18 UOC
Complete 1 elective course (from list above) and 1 of the following research methodology courses:	
Qualitative Research: Ethnographic Methodology and Methods	6
Interventionist/Experimental Research Design and Analysis	6
Survey Research Design and Analysis	6
Qualitative Research: Critical Reading and Enquiry	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Visual Arts Education – 48 UOC or 8 courses

Visual Arts Education Core Courses from Education	12 UOC
Complete 2 courses:	
Critical Issues and Practice in Visual Arts Education	6
Theoretical Frameworks in Visual Arts Education	6

Visual Arts Education Core Courses from Art & Design	12 UOC
Complete 2 courses from the following list:	
New Technologies, Traditional Technique	6
Material Thinking	6
Designing the Experience: Exhibitions and Beyond	6
Audience Engagement	6
Arts and Cultural Policy	6
History of Exhibitions of Australian Art	6
Exhibiting Cultures	6
Lens and Studio Craft	6
Additive Approaches to Art	6
The Contemporary Image: Colour and Tone	6
Transforming the Everyday: Domestic Futures	6
Interaction Design: Human-Computer Interactions	6
Interactive Design: Products and Services	6
Exploring 3D Visualisation	6
3D Digital Aesthetics	6
The Reproduced Image: Series and Seriality	6

Visual Arts Education Research Courses	12 UOC
Complete 1 research methodology course from the following list:	
Qualitative Research: Ethnographic Methodology and Methods	6
Interventionist/Experimental Research Design and Analysis	6
Survey Research Design and Analysis	6
Qualitative Research: Critical Reading and Enquiry	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Visual Arts Education Elective	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Educational Studies

Educational Studies Research Courses	12 UOC
Complete 1 research course from the following list:	
Qualitative Research: Ethnographic Methodology and Methods	6
Interventionist/Experimental Research Design and Analysis	6
Survey Research Design and Analysis	6
Qualitative Research: Critical Reading and Enquiry	6
Classroom-based Research	6
AND complete 1 research project course:	
Research Project	6

Elective courses in Education	36 UOC
Complete 6 elective courses from the following list:	
Ethnographic and Action Research	6
Experimental Research Design	6
Survey Research Design and Analysis	6
Educational Assessment and Measurement	6
Teaching Methods for High Incidence Disabilities	6
Introduction to Modern Test Theory	6
Developing a Performance Based Culture	6
Educational Leadership for Gifted Students	6
Intellectual Disabilities	6
Autism Spectrum Disorders: Educational Practices	6
Investigating Issues in Curriculum and Assessment	6
Professional Practice for Special Education	6
Qualitative Research: Critical Reading and Enquiry	6
Introduction to University Learning and Teaching	6
Student Learning in Higher Education	6
Educational Design for Learning in Higher Education	6
Enhancing Learning and Teaching in Higher Education	6
Issues in Higher Education: Purpose, Role and Organisation	6
Coaching and Mentoring in Educational Leadership	6
Communication Disorders and Assistive Technology	6
Transitions in the Lives of Students with Disabilities	6
Leadership in Action	6
Teaching Oral Communication: A Discourse Based Approach	6
Inclusive Education: Policy, Planning and Pedagogy	6
Critical Issues and Practice in Visual Arts Education	6
Theoretical Frameworks in Visual Arts Education	6
Leading Educational Change	6
Critical Perspectives in Educational Leadership	6
Leading Educational Change	6
Philosophical Issues in Education	6
Current Research in Science Education	6
Learning, Problem Solving, and the Development of Expertise	6
Human Development and Education	6
Mental Processes and Instructional Procedures	6
Adult Learning	6
Building Resilience in the Workplace	6
Individual Differences and Education	6
Motivation in Educational Settings	6
Scaffolding EAL/D Learners in the Challenge Zone	6
Technology and Language Skills	6
TESOL Advanced Professional Practice	6
Financial Issues in Educational Leadership	6
Organisation Theory in Education	6
Evaluation of Educational Programs	6
Leadership Theory, Research and Practice	6
Legal, Industrial and Ethical Issues in Educational Leadership	6
Advanced TESOL Methodology	6
Advanced TESOL Curriculum Design and Assessment	6
Assessment for Learning: From Theory to Practice	6
Contemporary Issues in Language Education	6
Workplace Leadership Development Project	6
Classroom-based Research	6
Leading Individuals, Teams and Organisations	6
Educational Policy: Theory and Practice	6
Culture, Communication and the Curriculum	6
Developing Literacies: From Kindergarten to University	6
Human Resource Management in Education	6
Language and Learning: Sociocultural Perspectives	6
Literature Review in Education	6
Researching Higher Education	6
School Based Management and Accountability	6
Specialist Study in Education	6
Contemporary Issues in Educational Leadership	6
Teacher Leadership	6
Engaging the Educational Research Literature	6
Teaching Internship	6
Effective Schools	6
Current Issues in the Education of Intellectually Gifted Children	6
Identification of Gifted Children	6
Developing Effective Programs for Gifted Students	6
Curriculum Differentiation and Assessment in Gifted Education	6
Creativity and Giftedness	6
Social and Emotional Development of Intellectually Gifted Children	6
Key Concepts and Issues in Gifted Education	6
Research Project	6

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Master of Educational Leadership

Program code 8960

Faculty
Arts & Social Sciences

Program Duration
1 year

Estimated first year tuition
A$28,320

Entry
January, February and July

The Master of Educational Leadership is designed for qualified or practicing teachers and educators wishing to advance their knowledge of the latest theory and research that informs educational leadership practice.

Entry requirements
- A recognised Bachelor degree and a postgraduate teaching qualification (e.g. Graduate Diploma of Education or Master of Teaching) OR
- A four year pre-service teacher education qualification, including professional experience, equivalent to the qualifications required for Graduate teacher status in NSW.

Program structure
Students complete 8 courses (48 UOC), including 2 core courses (12 UOC) and 6 elective courses (36 UOC) with a minimum of 4 electives to be chosen from Educational Leadership electives.

Core Courses (12 UOC)	UOC
Complete 2 core courses:	
Organisation Theory in Education	6
Leadership Theory, Research and Practice	6

Elective Courses (24 UOC)	UOC
Complete 4 courses from the following list:	
Developing a Performance Based Culture	6
Educational Leadership for Gifted Students	6
Investigating Issues in Curriculum and Assessment	6
Coaching and Mentoring in Educational Leadership	6
Leadership in Action	6
Critically Engaging with Indigenous Education	6
Leading Educational Change	6
Critical Perspectives in Educational Leadership	6
Teacher Learning	6
Building Resilience in the Workplace	6
Financial Issues in Educational Leadership	6
Evaluation of Educational Programs	6
Legal, Industrial and Ethical Issues in Educational Leadership	6
Workplace Leadership Development Project	6
Leading Individuals, Teams and Organisations	6
Educational Policy: Theory and Practice	6
Human Resource Management in Education	6
Literature Review in Education	6
School Based Management and Accountability	6
Contemporary Issues in Educational Leadership	6
Effective Schools	6
Research Project	6

Note: Not all courses listed are offered each year, see handbook: handbook.unsw.edu.au/postgraduate/programs/current/8910.html

Elective Courses	12 UOC

Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.

Career opportunities
Graduates are equipped to lead education at all levels in government and independent schools school systems, universities, TAFE and other educational and training organisations.

Engineering

Master of Engineering

Program code 8621

Faculty
Engineering

Program Duration
2 years

Estimated first year tuition
A$36,960

Entry
February and July

This two year program is designed for those wanting to enter the engineering profession or for practicing engineers who wish to expand their knowledge and skills in engineering management, acquire an in-depth knowledge of a particular specialisation, or gain technical expertise. The five specialisations are professionally accredited (or awaiting accreditation) by Engineers Australia.

Entry requirements
Recognised three or four year engineering degree at least equivalent to the first three years of an accredited engineering degree in either civil, electrical, environmental, mechanical or telecommunications engineering with a minimum 65% average as determined by the UNSW Postgraduate Entry Score Calculator).

Specialisations
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Mechanical Engineering
- Telecommunications

Program structure
The program comprises 16 courses including:

6 Disciplinary Courses	36
5 Advanced Disciplinary Courses	30
2 Engineering and Technical Management courses	12
2 Research Project Courses	12
1 Advanced Course in Design Practice	6

Civil Engineering

Academic plan CVENYS8621
The stream of Civil Engineering enables students to specialise, and gain depth of knowledge across a broad range of areas, including project management, transport engineering, structural engineering, geotechnical engineering, water resources and waste water treatment.

Electrical Engineering

Academic plan ELECAS8621
The specialisation in electrical engineering provides you with the opportunity to acquire comprehensive knowledge over a range of technology and design issues in electrical systems. Core courses provide a firm foundation in signal processing, system control, energy systems, microelectronics systems and photonics and other electrical systems.

Environmental Engineering

Academic plan CVENLT8621
The stream of Environmental Engineering enables students to specialise, and gain depth of knowledge across a broad range of areas, including project management, transport engineering, geotechnical engineering, water resources, waste and waste water treatment.

Mechanical Engineering

Academic plan MECHBS8621
Students can specialise and gain depth of knowledge across a broad range of areas, including mechanical design, mechanics, fluid dynamics, refrigeration and air-conditioning, composite materials, solar thermal energy and more.

Telecommunications

Academic plan TELEAS8621
The specialisation in telecommunications focuses on recent and advanced aspects of telecommunications, ranging from protocols used in networks such as the internet, the operation and control of such networks, the design and operation of switches and routers within such networks. Aspects of advanced wireless communications are also covered such as modulation techniques, coding techniques and information theory.

Engineering Science

Master of Engineering Science

Program code 8338

Faculty
Engineering

Program Duration
2 years

Estimated first year tuition
A$36,960

Entry
February and July

Entry requirements
Students need a recognised four year Bachelor degree in an appropriate area of engineering with a minimum 65% average as determined by the UNSW Postgraduate Entry Score Calculator* in a relevant discipline.

* NOTE: Students from a non-211 university in China need a minimum 70% average as determined by the UNSW Postgraduate Entry Score Calculator.

Program structure
The program comprises 16 courses totalling 96 units of credit (UOC) in four key areas:

- **Disciplinary Knowledge (18-30 UOC)**
  These courses are designed to develop core knowledge and skills in the chosen specialisation and prepare students for the Advanced Disciplinary Knowledge courses.
- **Advanced Disciplinary Knowledge (18-30 UOC)**
  These courses drill down to the intricate details of the discipline, fostering deep analysis and problem-solving skills.
- **Enquiry-based (research) courses (18-30 UOC)**
  (including a 12-24 UOC project)
  These courses provide a greater depth of study.
- **Electives (24 UOC)**
  Elective courses are designed to give students the opportunity to tailor their program and to provide extended training in key areas of technology management.

Students should choose at least 6 UOC Engineering and Technical Management courses and the remainder of electives may be chosen from disciplinary or advanced disciplinary courses from their specialisation, or another specialisation within the Master of Engineering Science program subject to students being sufficiently prepared by way of prior learning.
This degree is offered in specialisations (streams) including:
- Biomedical Engineering
- Chemical Process Engineering
- Civil Engineering
- Electrical Engineering
- Energy Systems
- Environmental Engineering
- Food Process Engineering
- Geospatial Engineering
- Geotechnical Engineering & Engineering Geology
- Manufacturing Engineering & Management
- Mechanical Engineering
- Nuclear Engineering
- Petroleum Engineering
- Photovoltaics & Solar Energy
- Project Management
- Renewable Energy Engineering
- Satellite Systems Engineering
- Structural Engineering
- Systems & Control
- Telecommunications
- Transportation Engineering
- Water Resources: catchments to coasts
- Water, Wastewater & Waste Engineering

Graduate Diploma in Engineering Science

Program code 5341

Faculty
Engineering

Program Duration
1 year

Estimated first year tuition
A$36,960

Entry
February and July

Entry requirements
Recognised four year degree in a relevant discipline of engineering or a three or four year engineering or science degree plus relevant professional experience.

Program structure
This degree is offered in the following specialisations (streams):
- Chemical Process Engineering
- Civil Engineering
- Electrical Engineering
- Energy Systems
- Environmental Engineering
- Food Process Engineering
- Geospatial Engineering
- Geotechnical Engineering & Engineering Geology
- Manufacturing Engineering & Management
- Mechanical Engineering
- Petroleum Engineering
- Photovoltaics & Solar Energy
- Project Management
- Renewable Energy Engineering
- Structural Engineering
- Telecommunications
- Transportation Engineering
- Water Engineering: Catchments to Coasts
- Water, Wastewater & Waste Engineering

Students must complete 48UOC of courses to be eligible for the degree.

Graduate Certificate in Engineering Science

Program code 7320

Faculty
Engineering

Program Duration
6 months

Estimated first year tuition
A$18,480

Entry
February and July

Entry requirements
Recognised four year degree in a relevant discipline of engineering or a three or four year engineering or science degree plus relevant professional experience.

Program structure
This degree is offered in the following specialisations (streams):
- Civil Engineering
- Geospatial Engineering
- Petroleum Engineering*

*TBC. See online handbook for details.

Master of Engineering Science (Specialisations)

Biomedical Engineering (96 UOC)

Specialisation Authority
Graduate School of Biomedical Engineering

Disciplinary and foundamental courses	UOC

Up to 24 UOC of disciplinary courses are selected from relevant disciplines such as Electrical, Chemical, and Mechanical Engineering on approval of the program authority. Up to 12 UOC foundational courses may be taken to provide necessary background and only with program authority approval. These could include one or two courses from:

Fundamentals of Anatomy	6
Principles of Physiology A	6
Principles of Physiology B	6

Advanced Disciplinary Knowledge Courses	UOC
At least 30 UOC selected from the following:	
Disciplinary and foundational Courses	6
Medical Imaging	6
Biomedical Systems Analysis	6
Mass Transfer in Medicine	6
Biocompatibility	6
Cellular & Tissue Engineering	6

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Regulatory Req of Biomed Tech	6
Clinical Laboratory Science	6
Introductory Polymer Chemistry	6
Clinical Information Systems	6
Introductory Biomechanics	6
Mechanics of the Human Body	6
Biomech of Physical Rehabili'n	6
Mech Properties of Biomaterial	6
Biological Signal Analysis	6
Biomedical Instrumentation	6
Biosensors and transducers	6
Implantable Bionics	6
Advanced Bionics	6
Dynamics of Cardiovascular Sys	6
Modelling	6

Research related courses (18 UOC)	UOC
Masters Project	12
Eng PG Coursework Res Skills	6

Electives (24 UOC)	UOC

Must include 6UOC of engineering and technical management (ETM) courses from:

Life Cycle Engineering	6
Engineering Statistics	6
Quality in Engineering	6
Project Management	6
Economic Decision Anal.in Eng	6
Maintenance Engineering	6

The remainder of electives may be chosen from advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program with approval from the stream authority.

Chemical Process Engineering (96 UOC)

Specialisation Authority
School of Chemical Engineering

Disciplinary Knowledge Courses	UOC
24 UOC selected from the following:	
Topics in Polymer Technology	6

PLUS

a further 18 UOC selected from:	
Membrane Processes	6
Instrumental Analysis	6
Topics in Business Management	6
Process Engineering in Petroleum Industry	6
Advanced Reaction Engineering	6
Advanced Particle Engineering	6
Plant Operations	6
Fuel and Energy	6
Environmental Chemistry	6
Advanced Transport Phenomena	6

Advanced Disciplinary Knowledge Courses	UOC
24 UOC selected from the following:	
Advanced Process Control	6
Advanced Polymer Science and Research	6
Complex Fluid Microstructure and Rheology	6

PLUS

6 UOC selected from the following:	
Environmental Management	6
Sustainability Assessment	6
Managing Energy Efficiency	6
Operational Energy Efficiency	6
Sust Elec. Energy Tech Assess.	6
Engineering Decisions	6
Life Cycle Engineering	6
Ethics & Leadership in Eng	6
Engineering Statistics	6
Maintenance Engineering	6
Quality in Engineering	6
Project Management Framework	6
Project Management	6
Eng Economics & Financial Mngt	6
Engineering Economics	6

Enquiry – based (research) courses	UOC
Advanced Thesis A	12
Advanced Thesis B	12

With the approval of the stream authority, high performing students for whom it is appropriate may substitute the undergraduate course Thesis A for Advanced Thesis B.

Electives (24 UOC)	UOC

Civil Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Stream Structure
MEngSc students must complete a total of 96UOC of courses. Please note that the availability of the courses may vary from semester to semester and courses may be offered in alternate years.

Disciplinary Knowledge Courses	UOC
24 UOC selected from the following:	
– Project Management	
Problem Solving for Engineers	6
Operations and Project	6
Engineering Contract	6
Sustainability in Construction	6
Geotechnical Engineering	
Rock and Slope Engineering	6
Advanced Topics in Geotechnical Engineering	6
Ground Improvement and Monitoring Techniques	6
– Structures	
Advanced Concrete Structures	6
Structural Dynamics	6
– Surveying	
Deformation Monitoring Surveys	6
– Transport	
Transport Systems - Part 1: Network Analysis	6
– Water and Waste Water	
Advanced Water Engineering	6
Sustainable Infrastructure	6

Advanced Disciplinary Knowledge Courses	UOC
Selected from the following:	

Students may choose courses from any postgraduate specialisation offered from the School of Civil and Environmental Engineering:
- Environmental Engineering
- Geotechnical Engineering & Engineering Geology
- Project Management
- Structural Engineering
- Water, Wastewater and Waste Engineering
- Water Resources (includes coastal engineering courses)

as well as the courses listed below from the additional areas of transport and traffic engineering and construction management.

Urban Transport Planning Practice	6
Transport Systems (Part 2)	6
Transport Modelling	6
Traffic Management and Control	6
Design of Construction Operations	6
Construction Estimating and Tendering	6

Enquiry – based (research) courses (18 UOC)	UOC
Extension Masters Thesis A	6
Extension Masters Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.
At least 6 UOC must be taken from the Engineering & Technical Management (ETM) Courses. For the Civil Engineering specialisation we recommend the following Engineering and Technical management courses:

Eng Economics & Financial Mngt	6
Design of Construction Operations	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electrical Engineering (96 UOC)

Specialisation Authority
School of Electrical Engineering & Telecommunications

Stream Structure
MEngSc students must complete a total of 96UOC of courses. Please note that the availability of the courses may vary from semester to semester and courses may be offered in alternate years.

Disciplinary Knowledge Courses	UOC
Choose 24-30 UOC from the following lists:	
– Microelectronics	
Digital & Embedded Systems Design	6
Microelectronic Design & Tech	6
Solid State Electronics	6
RF Electronics	6
– Energy Systems	
Power System Equipment	6
Power System Analysis	6
Electrical Drive Systems	6
Power Electronics	6
– Signal Processing	
Advanced Digital Signal Processing	6
Multimedia Signal Processing	6
– Control System	
Continuous - Time Control System Design	6
Computer Control Systems	6
Real - Time Engineering	6
– Telecommunications	
Optical Circuits and Fibres	6
Network Performance	6
Wireless Communication Tec	6
Mobile & Satellite Comm System	6

Advanced Disciplinary Knowledge Courses	UOC
Choose 24-30 UOC from the following lists:	
Power System Protection	6
Mixed Signal Microelectronics Design	6
Radio Frequency Integrated Circuits	6
Microsystems Design and Technology	6
VLSI Technology	6
Quantum Devices	6
Power Electronics for Renewable and Distributed Generation	6
High Voltage Systems	6

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Industrial and Commercial Power Systems	6
Electricity Industry Planning	6
Electricity Industry Operation	6
Electrical Safety	6
Digital Signal Processing Theory and Applications	6
Digital Image Processing	6
Speech Processing	6
Robust and Linear Control Systems	6
Analysis and Design for Non-linear Control Systems	6
Real Time Computing and Control	6
Special Topics in Electrical Engineering	6
Special Topics in Electrical Engineering	6

Enquiry – based (research) courses (18 UOC)	UOC
Project Report A	6
Project Report B	6
PLUS	
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen.

The remainder of electives may be chosen from disciplinary or advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program subject to students being sufficiently prepared by way of prior learning.

Energy Systems (96 UOC)

Specialisation Authority
School of Electrical Engineering & Telecommunications

Disciplinary Knowledge Courses	UOC
Choose 24-30 UOC to from the following list:	
Microelectronic Design and Technology	6
Power System Equipment	6
Power System Analysis	6
Electrical Drive Systems	6
Power Electronics	6
Advanced Digital Signal Processing	6
Continuous-Time Control Systems	6
Optical Circuits and Fibres	6
Mobile and Satellite Communication Systems	6

Advanced Disciplinary Knowledge Courses	UOC
Choose 24-30 UOC to from the following list:	
Power System Protection	6
Power Electronics for Renewable and	6
Distributed Generation	6
High Voltage Systems	6
Industrial and Commercial Power Systems	6
Electricity Industry Planning	6
Electrical Industry Operation	6
Electrical Safety	6
Smart Grids and Distribution Networks	6

Enquiry – based (research) courses (18 UOC)	UOC
Project Report A	6
Project Report B	6
PLUS	
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen.

The remainder of electives may be chosen from disciplinary or advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program with approval from the stream authority.

Environmental Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC

Choose 24-30 UOC to from the following list:
- Design Practice A
- Operations and Projects
- Engineering Contracts
- Sustainability in Construction
- Rock and Slope Engineering
- Deformation Monitoring Surveys
- Contaminated Site Engineering

Advanced Disciplinary Knowledge Courses	UOC

Minimum 24 UOC selected from the following:
- Environmental Management
- Sustainability Assessment
- Env Eng Sc 1
- Env Eng Sc 2

Enquiry – based (research) courses (18 UOC)	UOC
Master's Thesis A	6
Master's Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the disciplinary knowledge courses listed above.

At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Environmental Engineering specialisation we recommend one of the following Engineering and Technical management courses:

Eng Economics & Financial Mngt	6
Project Management Framework	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Other Electives include:

Solid Waste Management	6
Hazardous Waste Management	6
Water Treatment	6
Wastewater Treatment	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6
Water & Wastewater Analysis	6
Urban Transport Planning Practice	6
Transport Modelling	6
Transport Systems – Part 2: Queuing Theory	6
Surface Water Hydrology	6
Urban Hydrology	6
Catchment and Water Resources Modelling	6
Channels, Rivers and Estuaries	6
Groundwater Engineering	6
Waves and Beaches	6
Energy Efficiency in the Water Sector	6

Food Process Engineering (96 UOC)

Specialisation Authority
School of Chemical Engineering

Disciplinary Knowledge Courses	UOC
Choose 24 UOC to from the following list:	
Chemistry, Biochemistry and Microbiology of Food	6
Food Processing Principles	6
Advanced and Applied Nutrition	6
Food Microbiology	6
Food Diagnostics	6
Instrumental Analysis in the Process Industries	6
Advanced Food Engineering	6
Nutrition	6
Food Preservation	6
Food Science and Technology Laboratory	6
Advanced Food Chemistry	6
Product Design and Development	6
Food Safety and Quality Assurance	6
Food & Nutritional Toxicology	6
Unit Operations in Food Processing	6

Advanced Disciplinary Knowledge Courses	UOC
24 UOC comprising:	
Advanced Process Control	6
Advanced Processing Technologies	6
Complex Fluid Microstructure and Rheology	6
PLUS	
6 UOC selected from the following:	
Environmental Management	6
Sustainibility Assessment	6
Managing Energy Efficiency	6
Operational Energy Efficiency	6
Sust Elec. Energy Tech Assess.	6
Engineering Decisions	6
Life Cycle Engineering	6
Ethics & Leadership in Eng	6
Engineering Statistics	6
Maintenance Engineering	6
Quality and Quality Systems (UOC)	
Quality in Engineering	6
Project Management Framework	6
Project Management	6
Eng Economics & Financial Mngt	6
Engineering Economics	6

Enquiry – based (research) courses	UOC
Advanced Thesis A (prerequisite for CEIC9003)	12
Advanced Thesis B (this is an Advanced Research-completion course and it is required)	12

With the approval of the stream authority, high performing students for whom it is appropriate may substitute the undergraduate course CEIC4002 for CEIC9002.

Electives (maximum 24 UOC)	UOC

Students may choose the remainder of the electives from the Disciplinary or Advanced Disciplinary Knowledge courses listed above or with the approval of the stream authority, other courses.

Students may only choose electives for which they are appropriately prepared by way of prior learning. Up to 12 UOC of foundation knowledge courses may be approved as electives by the Stream Authority where appropriate.

Geospatial Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC

Minimum 24 UOC (4 courses) chosen from the following:
- Problem Solving for Engineers
- Deformation Monitoring Surveys
- Geospatial Information Science (core course)
- Precise GPS Positioning
- Engineering Statistics
- Principles of Programming

Advanced Disciplinary Knowledge Courses	UOC

Minimum 24 UOC (4 courses) chosen from the following:
- Fundamentals of Geopositioning (core course)
- Modern Geodesy and Applications
- Aerial and Satellite Imaging Systems
- Computer Vision

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- Database Systems
- Remote Sensing (core course)
- Microwave Remote Sensing

Enquiry – based (research) courses (18 UOC)	UOC
Master's Thesis A	6
Master's Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.

Recommended Electives: At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Geospatial Engineering specialisation we recommend the following Engineering and Technical management courses:

Eng Economics and Financial Management	6
Project Management Framework	6
Environmental Management	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval. Other Electives include:

Project Planning and Control	6
Management of Risk	6
Transport Modelling	6
Environmental Management	6
Geomechnics	6
Structural Stability	6
Modern Geodesy and Applications	6
Aerial and Satellite Imaging Systems	6
Microwave Remote Sensing	6
Computer Vision	6
Database Systems	6
Data Structures & Algorithms	6
Transport Applications of GIS	6
GIS for Built Environment	6

Geotechnical Engineering & Engineering Geology (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Design Practice A	6
Operations and Projects	6
Rock and Slope Engineering	6
Advanced Topics in Geotechnical Engineering	6
Ground Improvement and Monitoring Techniques	6
Advanced Concrete Structures	6
Structural Dynamics	6
Deformation Monitoring Surveys	6
Students without adequate background in Geomechanics must choose: Fundamentals of Geomechanics	

Advanced Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Geotechnical Models	6
Geomechanics	6
Advanced Foundation Engineering	6
Numerical Methods Geotechnical Engineering	6
Slope Instability	6
Rock Engineering	6
Pavement Engineering	6
Geotechnical Engineering of Dams	6

Enquiry – based (research) courses (18 UOC)	UOC
Master's Thesis A	6
Master's Thesis B	6
Engineering Postgraduate Research Skills	6

Electives – Advanced Disciplinary Knowledge Courses	
– Project and Construction Management	
Engineering Economics & Financial Management	6
Management of Risk	6
Design of Const. Operations	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6
– Geotechnical Engineering	
Geotechnical Models and Site Investigation	6
Geomechanics	6
Advanced Foundation Engineering	6
Numerical Methods in Geotechnical Engineering	6
Slope Instability	6
Rock Engineering	6
Pavement Engineering	6
Geotechnical Engineering of Dams	6
Fundamentals of Geomechanics	6
– Structural Engineering	
Structural Stability	6
Prestressed Concrete Design	6
Reinforced Concrete Design	6
Computational Structural Mechanics	6
Steel and Composite Structures	6
Advanced Materials Technology	6
– Transport Engineering	
Urban Transport Planning Practice	6
Transport Modelling	6
Transport Systems – Part 2: Queuing Theory	6
Traffic Management and Control	6
– Water Engineering	
Catchment and Water Resources Modelling	6
Urban Hydrology	6
Surface Water Hydrology	6
Channels, Rivers and Estuaries	6
Groundwater Engineering	6
Waves and Beaches	6
Water & Wastewater Analysis	6

Manufacturing Engineering & Management (96 UOC)

Specialisation Authority
School of Mechanical Engineering

Disciplinary Knowledge Courses	UOC
18-30 UOC (3-5 courses) chosen from the list below.	
Design and Analysis of Product-Process Systems	6
Reliability and Maintenance Engineering	6
Process Modelling and Simulation	6
Strategic Manufacturing Management	6
Engineering Management	6

Advanced Disciplinary Knowledge Courses	UOC
18-30 UOC (3-5 courses) chosen from the list below.	
Industrial Management	6
Operations and Supply Chain Management in Engineering	6
Production Planning and Control	6
CAD/CAM	6
Concurrent Product and Process Development	6

Enquiry – based (research) courses (18 UOC)	UOC
MEngSc Project A	6
MEngSc Project B	6
PLUS Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC
Students must include at least 6 UOC of Engineering and Technical Management (ETM) courses from the following list:	
Life Cycle Engineering	6
Process and Product Quality in Engineering	6
Engineering Project Management	6
Economic Decision Analysis in Engineering	6
Process Improvement and Maintenance Engineering	6

Students may choose the remainder of the electives from the Advanced Disciplinary Knowledge courses listed above, from the Engineering and Technical Management (ETM) courses and from the list of approved courses from other schools at the following link: engineering.unsw.edu.au/mechanical-engineering/sites/mech/files/uploads/Approved_Courses_outside_School.pdf

Prerequisite requirements for Level 4 Disciplinary Knowledge courses and Advanced Disciplinary Knowledge courses must be met. Up to 12 UOC of foundation courses (Level 3) may be approved by the Program Authority as prerequisites.

Mechanical Engineering (96 UOC)

Specialisation Authority
School of Mechanical Engineering

Disciplinary Knowledge Courses	UOC
18-30 UOC (3-5 courses) chosen from the list below.	
Mechanical Design 2 (6 UOC)	6
Engineering Mechanics 3	6
Computational Fluid Dynamics	6
Refrigeration and Air Conditioning	6
Mechanics of Fracture and Fatigue	6
Finite Element Methods	6
Engineering Management	6

Advanced Disciplinary Knowledge Courses	UOC
18-30 UOC (3-5 courses) chosen from the list below.	
Computer Aided Design / Computer Aided Manufacture	6
Machine Condition Monitoring	6
Fundamentals of Acoustics and Noise	6
Composite Materials and Mechanics	6
Introduction to Micro Electromechanical Systems	6
Solar Thermal Energy Design	6
Automobile Engine Technology	6
Modelling and Control of Mechatronic Systems	6

Research-related courses (18 UOC)	UOC
MEngSc Project A	6
MEngSc Project B	6
PLUS Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC
Students must include at least 6 UOC of Engineering and Technical Management (ETM) courses from the following list:	
Life Cycle Engineering	6
Process and Product Quality in Engineering	6
Engineering Project Management	6
Economic Decision Analysis in Engineering	6
Process Improvement and Maintenance Engineering	6

Students may choose the remainder of the electives from the Advanced Disciplinary Knowledge courses listed above, from the Engineering and Technical

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Management (ETM) courses and from the list of approved courses from other schools at the following link: engineering.unsw.edu.au/mechanical-engineering/sites/mech/files/uploads/Approved_Courses_outside_School.pdf

Prerequisite requirements for Level 4 Disciplinary Knowledge courses and Advanced Disciplinary Knowledge courses must be met. Up to 12 UOC of foundation courses (Level 3) may be approved by the Program Authority as prerequisites.

Nuclear Engineering (96 UOC)

Specialisation Authority
School of Electrical Engineering

Disciplinary Knowledge Courses (24-30 UOC)

24-30 UOC Disciplinary courses are selected from relevant disciplines such as Maths, Physics, Electrical, Mechanical, Civil, Mining on approval of the program authority. Up to 12 UOC foundational disciplinary courses may be taken to provide necessary background and only with program authority approval.
Sample list for an electrical engineer:
- Power system equipment
- Power system analysis
- Electricity industry planning
- Electrical industry operation
- Sustainable Energy Technology Assessment

Advanced Disciplinary Knowledge Courses (24 - 30 UOC)

Core courses (18 UOC)
- Introduction to nuclear engineering
- Reactor physics for Engineers
- Fuel cycle, waste management and life-cycle management

PLUS choose 6-12 UOC advanced electives from the following list:
- Safety, security and safeguards
- Uranium mining fundamentals

Enquiry – based (research) courses (18 UOC)	UOC
MEngSc Project A	6
MEngSc Project B	6
PLUS Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) courses to be chosen.

Photovoltaics & Solar Energy (96 UOC)

Specialisation Authority
School of Photovoltaics and Renewable Energy Engineering

Disciplinary Knowledge Courses	UOC
At least 18 UOC to be chosen from the list below:	
Low Energy Buildings and Photovoltaics	6
Solar Cell Technology and Manufacturing	6
Solar Cells	6
Grid-Connected Photovoltaics	6
Sustainable Energy in Developing Countries	6
Photovoltaics	6

Advanced Disciplinary Knowledge Courses	UOC
At least 24 UOC to be chosen from the list below:	
Advanced Photovoltaic Manufacturing	6
Advanced Photovoltaics	6
Advanced Solar Cell Characterisation	6
PLUS	
Choose 0-12 UOC from the following list:	
Hybrid Renewable Energy Minigrids	6
Stand-Alone System Design and Installation	6
Photovoltaic Materials Processing Technology	6
Managing Energy Efficiency	6

Enquiry-based (research) courses (18 UOC)	UOC
Engineering Postgraduate Research Skills	6
Project Report A	6
Project Report B	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen from the approved ETM list.

The remainder of electives may be chosen from disciplinary or advanced disciplinary courses listed above. With the permission of the program authority, students may choose other courses, which they are eligible to enroll. Prerequisite requirements must be met. Up to 12 UOC of foundation courses (Level 3) may be approved by the program authority as prerequisites.

Project Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering
Stream Structure
MEngSc students must complete a total of 96UOC of courses. Students can apply for up to 48UOC of credit in accordance with the UNSW Admission to Coursework Program Policy and Procedure. (For example, students who have completed the 4 year Bachelor of Engineering with Honours degree at UNSW or an equivalent qualification would be entitled to the maximum advanced standing.)

Please note that the availability of the courses may vary from semester to semester and courses may be offered in alternate years.

Disciplinary Knowledge Courses (24-30 UOC)
Minimum 24 UOC (4 courses) chosen from the following:
• Problem Solving for Engineers
• Operations and Projects
• Engineering Contracts
• Sustainability in Construction
• Rock and Slope Engineering
• Advanced Topics in Geotechnical Engineering
• Geomechanics
• Contaminated Site Engineering
• Advanced Concrete Structures
• Structural Dynamics
• Deformation Monitoring Surveys
• Transport Systems – Network Analysis
• Fundamentals of Traffic Engineering
• Groundwater Investigations
• Advanced Water Engineering

Advanced Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
• Eng Economics & Financial Mngt	
• Project Planning & Control	
• Human Resources Management	
• Contracts Management	
• Management of Risk	
• Dispute Avoidance	
• Resource Management	
• Marketing in Technology and Engineering	
• Strategic Management for Engineering	
• Problem Solving & Decision Making	
• Design of Construction Operations	
• Legal Studies and Professional Practice	
• International Project Management	
• Project Management Framework	

Enquiry – based (research) courses (18 UOC)	UOC
Masters Thesis A	6
Masters Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.

At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Project Management specialisation we recommend the following Engineering and Technical management courses:

Eng Economics & Financial Mngt	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electives – Advanced Disciplinary Knowledge Courses	UOC
Urban Transport Planning Prac	6
Transport Modelling	6
Transport Systems Part 1	6
Transport Systems Part 2	6
Traffic Management and Control	6
Geotech Models and Site Investigations	6
Geomechanics	6
Advanced Foundation Engineering	6
Slope Instability and Stabilization	6
Rock Engineering	6
Geotechnical Engineering of Dams	6
Fundamentals of Geomechanics	6
Surface Water Hydrology	6
Urban Hydrology	6
Catchment & WR Modelling	6
Channels, Rivers and Estuaries	6
Groundwater Hydrology	6
Waves, Beaches	6
Structural Stability	6
Prestressed Concrete Design	6
Reinforced Concrete Design	6
Computational Structural Mechanics	6
Steel Structures	6
Advanced Materials Technology	6
Water & Wastewater Analysis	6
Water Treatment	6
Wastewater Treatment	6
Solid Waste Management	6
Environmental Eng Science 1	6
Environmental Eng Science 2	6
Environmental Management	6
Sustainability Assessment	6
Special Topics	6
Principles of Geographic Information Systems and Science	6
Principles of GPS Positioning	6
Fundamentals of Geopositioning	6

Renewable Energy Engineering (96 UOC)

Specialisation Authority
School of Photovoltaics and Renewable Energy Engineering

Disciplinary Knowledge Courses	UOC
At least 18 UOC to be chosen from the list below:	
Low Energy Buildings and Photovoltaics	6
Grid-Connected Photovoltaics	6
Biomass	6
Wind Energy Converters	6
Energy Efficiency	6
Photovoltaics	6

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Advanced Thermofluids	6

Advanced Disciplinary Knowledge Courses	UOC
At least 18 UOC to be chosen from the list below:	
Renewable Energy System Performance Modelling and Performance Analysis	6
Hybrid Renewable Energy Minigrids	6

PLUS

Choose 6-18 UOC from the following list:	
Integrated Design Studio 4 High Performance Buildings	6
Solar Thermal Energy Design	6
Electricity Industry Planning and Economics	6
Electricity Industry Operation and Control	6
Advanced Photovoltaics	6

Enquiry – based courses (18 UOC)	UOC
Engineering Postgraduate Research Skills	6
Project Report A	6
Project Report B	6

Electives (24 UOC)	UOC

At least 6 UoC Engineering and Technical Management (ETM) to be chosen from the approved ETM list.
The remainder of electives may be chosen from disciplinary or advanced disciplinary courses listed above. With the permission of the program authority, students may choose other courses, which they are eligible to enroll. Prerequisite requirements must be met. Up to 12 UOC of foundation courses (Level 3) may be approved by the program authority as prerequisites.

Satellite Systems Engineering (96 UOC)

Specialisation Authority
School of Photovoltaics and Renewable Energy Engineering

Disciplinary Knowledge Courses (24 - 30 UOC)	UOC
Space Systems Engineering	6
Space Systems Architectures and Orbits	6
Space Mission Development	6
Space Law and Radio Regulations	6

PLUS

choose 0-6 UOC from the following list:	
Advanced Aerospace Structures and Vibrations	6
Principles of GPS Positioning	6
Mobile and Satellite Communications Systems	6

Advanced Disciplinary Knowledge Courses (24 - 30 UOC)	UOC
The Space Segment	6
The Ground Segment and Space Operations	6
Satellite Applications 2	6
Satellite Applications 1	6

PLUS

choose 0-6 UOC from the following list:	
Digital Image Processing	6
Remote Sensing Applications	6
GPS Receivers	6
Satellite Navigation	6
Requirements Engineering	6

Enquiry – based (research) courses (24 UOC)	UOC
Satellite Engineering Project A	12
Satellite Engineering Project B	12

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen from the approved ETM list.*
The remainder of electives may be chosen from disciplinary or advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program with approval from the stream authority.
Note: Students who successfully complete the 24 UOC project may be granted exemption of 6 UOC Engineering and Technical Management.

Structural Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Design Practice A	6
Operations and Projects	6
Engineering Contracts	6
Sustainability in Construction	6
Rock and Slope Engineering	6
Advanced Topics in Geotechnical Engineering	6
Ground Improvement and Monitoring Techniques	6
Advanced Concrete Structures	6
Structural Dynamics	6
Deformation Monitoring Surveys	6

Advanced Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Structural Stability	6
Prestressed Concrete Design	6
Computational Structural Mechanics	6
Reinforced Concrete Design	6
Steel and Composite Structures	6
Advanced Materials Technology	6

Enquiry – based (research) courses (18 UOC)	UOC
Masters Thesis A	6
Masters Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.

At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Structural Engineering specialisation we recommend the following Engineering and Technical management courses:

Eng Economics & Financial Mngt	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electives – Advanced Disciplinary Knowledge Courses

Same list as Geotechnical Engineering & Engineering Geology on the previous page.

Systems and Control (96 UOC)

Specialisation Authority
School of Electrical Engineering & Telecommunications

Disciplinary Knowledge Courses	UOC
Core course 18 UOC	
Cont - Time Control Sys Design	6
Computer Control Systems	6
Real - Time Engineering	6

PLUS

choose 6-12 UOC from the following list:	
Digital & Embedded Systems Design	6
Microelectronic Design & Tech	6
Solid State Electronics	6
RF Electronics	6
Power System Equipment	6
Power System Analysis	6
Electrical Drive Systems	6
Power Electronics	6
Advanced Digital Signal Processing	6
Multimedia Signal Processing	6
Optical Circuits and Fibres	6
Wireless Communication Tec	6
Mobile & Satellite Comm system	6

Advanced Disciplinary Knowledge Courses	UOC
Core course 18 UOC	
Robust and Linear Control Systems	6
Analysis and Design on Non-linear Systems	6
Real Computing and Control	6

PLUS

choose 6-12 UOC from the following list:	
Computer Vision	6
Artificial Intelligence	6
Digital Signal Processing Theory and Applications	6
Smart Grids and Distribution Networks	6

Enquiry – based (research) courses (18 UOC)	UOC
Project Report A	6
Project Report B	6
PLUS Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen.
The remainder of electives may be chosen from disciplinary or advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program subject to students being sufficiently prepared by way of prior learning.

Telecommunications (96 UOC)

Specialisation Authority
School of Electrical Engineering & Telecommunications

Disciplinary Knowledge Courses	UOC
Choose 24-30 UOC to from the following list:	
Microelectronic Design & Tech	6
Power System Analysis	6
Advanced Digital Signal Processing	6
Continuous-Time Control System Design	6
Optical Circuits and Fibres	6
Photonic Networks	6
Network performance	6
Wireless Communication Tec	6
Mobile & Satellite Comm System	6
Digital Modulation & Coding	6

Advanced Disciplinary Knowledge Courses (24 - 30 UOC)	UOC
Choose a minimum of 18 UOC from the following:	
Network Systems Architecture	6
Switching Systems Architecture	6
Network Operations and Control	6

continued on next page

Advanced Wireless Communication	6
Coding and Information Technology	6
Microwave Circuits, Theory and Techniques	6
Advanced Networking	6
Quantum Communications	6

PLUS

0-12 UOC to from the following list:	
GPS Positioning	6
GPS Receivers	6
Receivers and Systems	6
GeoIT and Info Applns	6

Enquiry – based (research) courses (18 UOC)	UOC
Project Report A	6
Project Report B	6
PLUS Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

At least 6 UOC Engineering and Technical Management (ETM) to be chosen.
The remainder of electives may be chosen from disciplinary or advanced disciplinary courses from this specialisation, or another specialisation within the Master of Engineering Science program subject to students being sufficiently prepared by way of prior learning.

Transportation Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Engineering Contracts	6
Deformation Monitoring Surveys	6
Sustainability in Construction.	6
Rock and Slope Engineering	6
Transport Systems – Part 1: Network Analysis	6

Advanced Disciplinary Knowledge Courses (24 UOC)	UOC
Urban Transport Planning	6
Transport Modelling	6
Transport Systems – Part 2: Queuing Theory	6
Traffic Management and Control	6

Enquiry – based (research) courses (18 UOC)	UOC
Master's Thesis A	6
Master's Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.

At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Transport Engineering specialisation we recommend the following Engineering and Technical management courses:

Eng Economics & Financial Mngt	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electives – Advanced Disciplinary Knowledge Courses	UOC
Project Planning and Control	6
Management of Risk	6
Design of Construction Operations	6
Water & Wastewater Analysis	6
Environmental Eng Science 1	6
Environmental Management	6
Sustainability Assessment	6
Special Topics	6
Special Topics	6
Principles of Geographic Information Systems and Science	6
Fundamentals of Geopositioning	6
Fundamentals of Geopositioning	6
Engineering Economics & Financial Mgmt	6
Project Management Framework	6
Environmental Engg Science 2	6
Transport, Land Use & Env	6
Principles of Programming	6
Data Structures & Algorithms	6
Econometric Analysis	6
Choice Modelling	6
GPS Positioning	6
Precise GPS Positioning	6
Optimization	6
Multivariate Analysis	6
Transport Applications of GIS	6
Av. Safety&Accident Prevention	6
Air Traffic Management	6
Safety Risk Management	6
Aviation & Tourism	6

Water Resources: Catchments to Coasts (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Design Practice A	6
Operations and Projects	6
Engineering Contracts	6
Sustainability in Construction	6
Rock and Slope Engineering	6
Advanced Topics in Geotechnical Engineering	6
Ground Improvement and Monitoring Techniques	6
Advanced Concrete Structures	6
Structural Dynamics	6
Deformation Monitoring Surveys	6
Groundwater Investigations	6
Advanced Water Engineering	6
Fundamentals of Water Engineering	6

Advanced Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Urban Hydrology	6
Catchment and Water Resources Modelling	6
Channels, Rivers and Estuaries	6
Groundwater Engineering	6
Waves and Beaches	6

Enquiry – based (research) courses (18 UOC)	UOC
Extension Master's Thesis A	6
Extension Master's Thesis B	6
Engineering Postgraduate Research Essentials	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.
At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Transport Engineering specialisation we recommend the following Engineering and Technical management courses:

Eng Economics & Financial Management	6
Project Management Framework	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electives – Advanced Disciplinary Knowledge Courses

Same list as Geotechnical Engineering & Engineering Geology on the previous page.

Water, Wastewater & Waste Engineering (96 UOC)

Specialisation Authority
School of Civil & Environmental Engineering

Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Design Practice A	6
Groundwater Investigations	6
Sustainable Infrastructure	6
Advanced Water Quality Principles	6
Deformation Monitoring Surveys	6
Contaminated Site Engineering	6

Advanced Disciplinary Knowledge Courses	UOC
Minimum 24 UOC (4 courses) chosen from the following:	
Solid Waste Management	6
Hazardous Waste Management	6
Water Treatment	6
Wastewater Treatment	6
Water & Wastewater Analysis	6

Enquiry – based (research) courses (18 UOC)	UOC
Master's Thesis A	6
Master's Thesis B	6
Engineering Postgraduate Research Skills	6

Electives (24 UOC)	UOC

Students may choose any course for which they are eligible to enrol, as electives, including any of the courses listed above.
At least 6 UOC must be taken from the Engineering & Technical Management Courses. For the Water/wastewater/waste Engineering specialisation we recommend the following Engineering and Technical management courses:

Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6

In addition, students may select any ETM elective in the consolidated Faculty list with approval.

Electives – Advanced Disciplinary Knowledge Courses	UOC
Env Eng Sc 1	6
Env Eng Sc 2	6
Environmental Management	6
Sustainability Assessment and Risk Analysis in Water and Energy Systems Planning	6
Surface Water Hydrology	6
Urban Hydrology	6
Catchment and Water Resources Modelling	6
Channels, Rivers and Estuaries	6
Groundwater Engineering	6
Waves and Beaches	6

Master of Engineering Science

Program code 8569

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Engineering Science enables students with appropriate undergraduate qualifications to undertake more advanced study in engineering and possibly to specialise in the following streams:

- C4ISREW
- Data Communications and Analysis
- Electrical Engineering

For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8569.html

Environmental Management

Master of Environmental Management

Program code 8623

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 to 2 years

Entry
February and July

Entry requirements
A recognised Bachelor degree in any discipline of study. Relevant experience will also be considered for admission. In special circumstances, students who do not have such qualifications may be considered for admission into the Graduate Certificate. In these cases, credit level performance in the Graduate Certificate may lead to articulation with the Graduate Diploma and the Master programs. Please also refer to information regarding articulation rules.

Program structure
Ordinarily, students must complete:

1. Three compulsory 6UOC Core Courses (totalling 18 UOC)
2. Four 6UOC Disciplinary Knowledge courses (totalling 24 UOC)
3. Elective courses, to make up the total of 96 UOC overall. At least 2 IEST electives (totalling 12 UOC or more) must be taken.

Disciplinary Knowledge Courses	UOC
Ecosystems Management	6
Environmental Management: Economics Fundamentals	6
Environmental Law Fundamentals	6
Environmental Management: Physical Science Fundamentals	6
Environmental Management: Social Science Fundamentals	6
ironmental Management: Engineering Fundamentals	6

Electives	UOC
Biodiversity & Conservation of Natural Resources	6
Environmental Impact Assessment	6
Society Environmental Policy and Sustainability	6

Advanced disciplinary/interdisciplinary courses:

Core Courses	UOC
Students must take the following three core courses:	
Frameworks for Environmental Management	6
Tools for Environmental Management	6
Addressing Environmental Issues	6

Advanced Disciplinary Elective Courses:
A minimum of 30 UOC of Advanced Disciplinary electives must be taken. Students are eligible to take up to 54UOC of elective courses (including research electives where eligible). 12 UOC or more must be chosen from the list of advanced disciplinary electives offered by the Institute of Environmental Studies (with IEST code):

Electives	UOC
Professional Competencies in Sustainability: External Drivers	3
Professional Competencies in Corporate Sustainability: Internal Responses	3
Environment Internship	6
Media Advocacy & Public Education	6
Environment and Development	6
Regional Methods	6
Environmental Management Systems	6
Managing Greenhouse gas Emissions	6

Graduate Diploma in Environmental Management

Program code 5499

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised Bachelor degree in any discipline. In special circumstances students who do not have such qualifications may be considered for admission.

Program structure
This program involves 48 units of credit of study for people wanting a solid grounding in the frameworks (especially sustainability), tools and basic disciplinary knowledge relevant to environmental management. It is fully articulated with the Master of Environmental Management.

Graduate Certificate in Environmental Management

Program code 7339

Faculty
Science

Estimated first year tuition
A$17,640

Program Duration
6 months

Entry
February

Program structure
This program involves 24 units of credit of study, providing an introduction to the frameworks (especially sustainability), tools and basic disciplinary knowledge relevant to environmental management. Courses include one core course, two fundamental knowledge courses and one elective course. It is fully articulated with the Graduate Diploma and Master of Environmental Management.

Note: Choice of elective and fundamental knowledge courses is through consultation with the Program Coordinator and based on previous qualifications and experience, needs and timetabling availability of courses.

Finance

Master of Finance

Program code 8406

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) majoring in finance with a credit average in the finance major and a credit average overall, as determined by UNSW Business School. You must have demonstrated competence in mathematics and statistical methods. Entry is based on academic achievement only and work experience will not be assessed. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
This program consists of eight courses (48 UOC): four core courses and four elective courses.

Core Courses	UOC
Empirical Techniques and Applications in Finance	6
Financial Risk Management for Financial Institutions	6
Empirical Studies in Finance	6
Financial Theory and Policy	6

Elective Courses	UOC
Select four courses from any of the streams below:	
Corporate Finance	
Business Analysis and Valuation	6
International Corporate Finance	6
Alternative Asset Classes	6
Risk and Insurance	6
Real Estate Finance and Investment	6
Derivatives and Risk Management Techniques	6
Takeovers, Restructuring and Corporate Governance	6
Structured Finance Law	6
Taxation of Financial Arrangements	6
Research Project	6
Asia Pacific Financial Markets	6
Behavioural Approaches in Finance	6
Funds Management	
Business Analysis and Valuation	6
Alternative Asset Classes	6
Financial Institution Management	6
Real Estate Finance and Investment	6
Strategic Management of Credit Risk and Loan Policy	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest Rate Derivatives	6
Financial Planning Advice	6
Advanced Investment and Funds Management	6
Applied Funds Management	6
Research Project	6
Asia Pacific Financial Markets	6
Behavioural Approaches in Finance	6
Investment Banking	
Business Analysis and Valuation	6
Alternative Asset Classes	6
Financial Institution Management	6
Risk and Insurance	6
Real Estate Finance and Investment	6
Strategic Management of Credit Risk and Loan Policy	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest Rate Derivatives	6
Takeovers, Restructuring and Corporate Governance	6
Trading in Financial Securities	6
Structured Finance Law	6
Taxation of Financial Arrangements	6
Research Project	6
International Finance	
Business Analysis & Valuation	6
International Corporate Finance	6
Asia Pacific Financial Markets	6
Alternative Asset Classes	6
Derivatives and Risk Management Techniques	6
International Banking Management	6
Behavioural Approach Finance	6

Master of Financial Analysis

Program code 8413

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) majoring in finance or accounting with a credit average overall, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
This program consists of eight courses (48 UOC):

* At least 3 accounting elective courses (from List A and C)
* At least 3 finance elective courses (from List B and C)
* 1 capstone course (from List C)

List A: Accounting Courses (sample list)	UOC
International Financial Statement Analysis	6
Auditing and Assurance Services	6
Enterprise Strategy for Management Accountants	6
Business Risk Management	6
Managing Intangible Resources	6
E-Business: Strategy and Processes	6
Financial Accounting	6
Strategic Management Accounting	6
Corporate Accounting and Regulation	6
Advanced Financial Reporting	6
Managing Agile Organisations	6
Management Control Systems in Contemporary Context	6
Reporting for Climate Change and Sustainability	6
Management Accounting and Business Analysis	6

List B: Finance Courses (sample list)	UOC
Investments and Portfolio Selection	6
Capital Budgeting and Financial Decisions	6
International Corporate Finance	6
Applied Portfolio Management and Modelling	6
Alternative Asset Classes	6
Risk and Insurance	6
Real Estate Finance and Investment	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest Rate Derivatives	6
Financial Planning Advice	6
Takeovers, Restructuring and Corporate Governance	6
Advanced Investment and Advanced Funds Management	6
Applied Funds Management	6
International Banking Management	6
International Insurance Management	6
Trading in Financial Securities	6

List C: Capstone Course	UOC
Business Analysis and Valuation	6
AND/OR	
International Corporate Governance: Accounting and Finance Perspectives	6
AND/OR	
Financial Institution Management	6

Professional recognition
CPA Australia may grant exemptions for elective segments of the CPA program for prior learning assessed on the basis of courses that meet its requirements of equivalent content and depth. The granting of exemptions is not automatic. Decisions will be made on a case-by-case basis by CPA Australia.

Master of Financial Mathematics

Program code 8161

Faculty
Science

Program Duration
6 months to 1.5 years

Estimated first year tuition
A$35,280

Entry
February and July

Entry requirements
- A recognised three or four-year mathematics or statistics program within a science and/or mathematics Bachelor degree, or a degree in a related discipline.
- A sufficient mathematical/statistical background and at least a credit average grade (65%) or equivalent overseas qualifications in relevant third year higher mathematics/statistics university courses.

Program structure
A total of 72 units of credit (UOC) of courses must be completed including 48 UOC of compulsory courses and 24 UOC of elective courses.

Compulsory Courses (48 UOC)	UOC
Computational Methods for Finance	6
Continuous Time Financial Modelling	6
Stochastic Processes	6
Discrete Time Financial Modelling	6
Introduction to Stochastic Analysis	6
Term Structure Modelling	6
Project*	12

PLUS

Elective Courses (30 UOC)	UOC
Risk and Capital Management	6
Statistical Inference	6
Measure, Integration and Probability	6
Special Topics in Financial Mathematics	6
Asset-Liability Management	6
Optimisation	6
Applied Regression Analysis	6
Classical Measure, Integration and Probability	6
Time Series Analysis	6
Multivariate Analysis	6
Longitudinal Data Analysis	6
Nonparametric Statistics	6
Categorical Data Analysis	6
Bayesian Inference and Computation	6

Not all elective courses are offered every year. Up to 18 UOC may be taken in postgraduate courses offered by other UNSW schools, subject to the approval of the Postgraduate Coursework Director.

Master of Financial Planning

Program code 9273

Faculty
Business School

Program Duration
1.5 years

Estimated first year tuition
A$38,160

Entry
February and July

Entry requirements
- **Category A**
  A recognised Bachelor degree (or equivalent qualification) in commerce or finance with a credit average as determined by UNSW Business School.
- **Category B**
  A recognised non-business related Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School, plus a minimum of two years full-time professional work experience. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
This program consists of 12 courses (72 UOC): 8 core courses and electives to make up the 12.

Core Courses	UOC
Financial Planning Core Courses	
Financial Markets and Institutions	6
Investments and Portfolio Selection	6
Personal Financial Planning and Management	6
Financial Planning Advice and Ethics	6
Risk and Insurance	6
Estate planning, Succession and Asset Protection	6
Taxation and Business Law Core Courses	
Legal Foundations of Business	6
Tax Strategies in Financial Planning	6
Asset Management Flexible Core Course	
Select at least one course from the following:	
Applied Portfolio Management and Modelling	6
Advanced Investment and Funds Management	6
Retirement Planning Flexible Core Course	
Select at least one course from the following:	
SMSF Law	6
Retirement Planning	6

Elective Courses (sample list)	UOC
If needed, select two courses from the following (including at least one course from List A):	
List A	
International Corporate Finance	6
Asia Pacific Financial Markets	6
Alternative Asset Classes	6
Real Estate Finance and Investment	6
Derivatives and Risk Management Techniques	6
Fixed Income Securities and Interest rate Derivatives	6
Applied Funds Management	6
Trading - Financial Securities	6
Capstone Portfolio Management Process	6
List B	
Taxation of Corporations	6
Taxation of Trusts	6
Taxation of Superannuation	6
Taxation of Capital Gains	6
Tax of Employee Remuneration	6
Taxation Law	6
Tax of Property Transactions	6
Business Economics	6
Services Marketing Management	6
Teams, Ethics and Competitive Advantage	6

Food Science

Master of Food Science

Program code 8037

Faculty
Engineering

Program Duration
2 years

Estimated first year tuition
A$36,960

Entry
February and July

Entry requirements
Students must hold either a Bachelor degree in Food Science with a minimum 65% average as determined by the UNSW Postgraduate Entry Score Calculator*, or a Graduate Diploma in Food Science from UNSW, or an equivalent qualification from another recognised university or tertiary institution.
* NOTE: Students from a non-211 university in China need a minimum 70% average as determined by the UNSW Postgraduate Entry Score Calculator.

Program structure
Students must complete 96UOC of courses to be eligible for the degree, and must complete:
1. At least 18UOC of research-based courses (at least 12UOC of which must be advanced research-completion courses)
2. At least a further 24UOC of advanced disciplinary courses

Food Science and Technology (FOODKS8037)
The stream requires successful completion of seven core courses (Group A) and five elective courses (Group B) a total of 72 UOC.

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Disciplinary knowledge courses	UOC
Choose four courses (24 UOC) from the following	
Instrumental Analysis Proc Ind	6
Food Diagnostics	6
Food Toxicology	6
Food Preservation	6
FS&T Laboratory	6
Food Safety and Quality	6
Advanced Food Chemistry	6
Nutrition	6
Food Microbiology	6
Advanced and Applied Nutrition	6
Advanced Food Engineering	6
Food Processing Principles	6
Unit Operations in Food Proces	6
Product Design and Development	6

Advanced Disciplinary Knowledge Courses (24UOC)	UOC
Advanced Process Technologies	6
Complex Fluid Micro & Rheology	6
Sensory Analysis of Foods	6
Advanced Food Microbiology	6

Enquiry-based courses minimum 18 UOC	UOC
Advanced Thesis A	12
Advanced Thesis B	12

Note that the undergraduate CEIC4002 Thesis A (6 UOC), although not available for postgraduate enrolment, is an alternate prerequisite for CEIC9003 and counts toward the Research-based course Units of Credit.

Electives (24 UOC)	UOC
Students may choose any courses for which they are eligible to enrol, as electives, including any of the courses listed above. Suggested electives that would count as additional Advanced Disciplinary Knowledge courses (should these be required or desired) include:	
Ethics & Leadership in Eng	6
Engineering Statistics	6
Economic Decision Anal. In Eng	6

Graduate Diploma in Food Science

Program code 5037

Faculty
Engineering

Program Duration
1 year

Estimated first year tuition
A$36,960

Entry
February and July

Entry requirements
A student must hold a Bachelor degree in Food Science or a cognate discipline (such as chemical engineering or biochemistry), with an average mark of at least 65, or an equivalent qualification from a recognised university or tertiary institution, in order to be admitted to the program.

Program structure
Students must complete 48UOC of courses to be eligible for the Graduate Diploma. This Graduate Diploma is offered in the following specialisations (streams):

1. Food Science for Chemical Engineers, Academic Plan FOODLS5037
2. Food Science for Biochemists, Academic Plan FOODMS5037
3. Food Science, Academic Plan FOODJS5037

Forensic Mental Health

Master of Forensic Mental Health

Program code 9012

Faculty
Medicine

Program Duration
2 years part-time by distance

Estimated first year tuition
A$39,120

Entry
February and July
(February commencement recommended)

Entry requirements
Bachelor's degree in health, law or criminology and honours/postgraduate in one of those disciplines or 2 years professional experience in health, law or criminology.

Program structure

Core courses (24 UOC)	UOC
Law and Mental Health	6
Psychiatry and Criminal Law	6
Violence	6
Administration, Services and Institution	6
Candidates without a clinical background are required to undertake the following course in place of one elective:	
Mental Disorders, Personality Disorders & Crime	6

Electives (24 UOC)	UOC
Applied Research Methods: PH	6
Epidemiology and Statistics:PH	6
Well Being in Indigenous Health across the Life Span	6
Evidence-informed Decision-making	6
Mental Disorders, Personality	6
Substance Abuse, Unusual behaviours & Special Groups	6
Disordered & Criminal Sexual behaviour	6
Families, Children & Adolescent Forensic Psychiatry	6
Civil Law in relation to Psychiatry	6

Graduate Diploma in Forensic Mental Health

Program code 5512

Faculty
Medicine

Program Duration
1.5 years part-time by distance

Estimated first year tuition
A$29,340

Entry
February and July
(February commencement recommended)

Entry requirements
Bachelor's degree in health, law or criminology and honours/postgraduate in one of those disciplines or 2 years professional experience in health, law or criminology.

Program structure

Core courses (18 UOC)	UOC
Law and Mental Health	6
Psychiatry and Criminal Law	6
Violence	6
Administration, Services and Institution	6
Candidates without a clinical background are required to undertake the following course in place of one elective:	
Mental Disorders, Personality Disorders & Crime	6

Note: Approval must be obtained from the Program Coordinator regarding course selection.

Electives (18 UOC)	UOC
Applied Research Methods: PH	6
Epidemiology and Statistics:PH	6
Well Being in Indigenous Health across the Life Span	6
Evidence-informed Decision-making	6
Mental Disorders, Personality	6
Substance Abuse, Unusual behaviours & Special Groups	6
Disordered & Criminal Sexual behaviour	6
Families, Children & Adolescent Forensic Psychiatry	6
Civil Law in relation to Psychiatry	6

Graduate Certificate in Forensic Mental Health
Program code 7312

Faculty
Medicine

Program Duration
1 year part-time by distance

Estimated first year tuition
A$19,560

Entry
February and July
(February commencement recommended)

Entry requirements
Bachelor's degree in health, law or criminology and honours/postgraduate in one of those disciplines or 2 years professional experience in health, law or criminology.

Program structure

Core Courses (24 UOC)	UOC
Law & Mental Health	6
Psychiatry & the Criminal Law	6
Violence	6
Administration, Services & Institutions	6

Electives (24 UOC)	UOC
Mental Disorders, Personality Disorders & Crime	6
Substance Abuse, Unusual Behaviours & Special Groups	6
Disordered & Criminal Sexual behaviour	6
Families, Children & Adolescent Forensic Psychiatry	6
Civil Law in Relation to Psychiatry	6
Epidemiology & Statistics for Public Health	6
Well Being in Indigenous Health across the Life Span	6
Evidence-informed Decision-making	6
Applied Research Methods for Public Health	6

Health Management

Master of Health Management*
Program code 8901

Faculty
Medicine

Program Duration
1 year full-time or 2 years part-time by distance learning

Estimated first year tuition
A$39,120

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
The program is available through distance education if you choose to study outside of Australia. A total of 48 units of credit (UOC) is required, consisting of 36 UOC of core courses and 12 UOC of electives. The program may include a summer semester if you wish to complete your studies over a 12 month period.

Core Courses (36 UOC)	UOC
Foundations in Public Health and Health Care Systems	6
Health Leadership and Workforce Management	6
Healthcare Economics and Financial Management	6
Clinical Governance and Risk Management	6
Strategy, Policy and Change	6
Evidence-informed Decision-Making	6

Advanced standing can only be granted by the Program Director on the basis of demonstrated equivalent Master degree level coursework previously undertaken.

Elective Courses (12 UOC)	UOC
Choose two of the following:	
Community Development	6
Immunisation Policy and Practice	6
Advanced Health Economics and Financial Management	6
Program Design and Evaluation	6
Qualitative Research Methods	6
Prevention and Management of Chronic Disease	6
Applied Research Methods in Public Health	6
Ethics and Law in Public Health	6
Policy Studies	6
Economic Evaluation in Health Care	6
Comparative Health Care Systems	6
Advanced Biostatistics and Statistical Computing	6
Advanced Epidemiology	6
Tobacco, Alcohol and Illicit Drugs	6
Reproductive, Maternal and Child Health	6
Rehabilitation and Restorative Care	6
Environmental Health	6
Management of Aged Care Programs and Services	6
Principles and Practice of Primary Health Care in the Community	6
HIV/AIDS: Australian and International Responses	6
The Global HIV Epidemic: Social Aspects and Impacts	6
Inequalities and Health	6
Health Impact Assessment	6
Public Health Perspectives of Indigenous Health	6
Indigenous Health and Wellbeing Across the Lifespan	6
Case Studies in Aboriginal Health and Torres Strait Islander Health	6
Health Aspects of Crises, Emergencies and Disasters	6
Management of Laboratory Services	6
Managing Human Resources for Health	6
Outbreak Investigation	6
Current Challenges in Infectious Diseases	6
Communicable Disease Control in Humanitarian Emergencies and Disasters	6
Tropical Disease Control	6
Public Health Aspects of Mental Health	6
Predictive Modelling in Public Health	6
Social Studies of Public Health	6
Global Non-communicable Disease: population approaches	6
Social Epidemiology	6
Infection Prevention and Control in the Healthcare Setting	6
Infectious Diseases Intelligence	6

Professional recognition
This program is recognised by the Royal Australasian College of Medical Administrators and the Australasian College of Health Service Management.

Master of Health Management (Extension)*
Program code 8902

Faculty
Medicine

Program Duration
1.5 years full-time or 3 years part-time by distance learning

Estimated first year tuition
A$39,120

Entry
February and July

Entry requirements
Transfer will be considered on completion of the Master of Health Management (8901) or equivalent with a minimum credit average and submission of an acceptable research proposal.

Program structure
In addition to the 48 UOC required for the Master of Health Management, you must complete 24 UOC consisting of one 6 UOC course tailored to your particular research project and a major project (18 UOC). The program is available through distance education if you choose to study outside of Australia.

Professional recognition
This program is recognised by the Royal Australasian College of Medical Administrators and the Australasian College of Health Service Management.

Graduate Diploma in Health Management*
Program code 5509

Faculty
Medicine

Program Duration
1 year full-time or 2 years part-time by distance learning

Estimated first year tuition
A$29,340

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration ; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
The program is available through distance education if you choose to study outside of Australia. You must successfully complete the following courses totalling 36 units of credit (UOC).

Core Courses (36 UOC)	UOC
Foundations in Public Health and Health Care Systems	6
Strategy, Policy and Change	6
Health Leadership and Workforce Management	6
Clinical Governance and Risk Management	6

Plus

Two Health Management electives	12

Professional recognition
This program is recognised by the Australasian College of Health Service Management.

Graduate Certificate in Health Management*
Program code 7360

Faculty
Medicine

Program Duration
6 months full-time or 1 years part-time by distance learning

Estimated first year tuition
A$19,560

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
The program is available through distance education if you choose to study outside of Australia. Students must successfully complete a minimum of four courses or the equivalent to a total of 24 Units of Credit (UOC) from courses offered by the School of Public Health and Community Medicine. Recommended courses are listed in the Master of Health Management entry. Selection of courses must be approved by the Program Director. Students must choose at least two (12 UOC) of the following courses:

Courses (12 UOC)	UOC
Foundations	6
Strategy Policy & Change	6
Health Leadership	6
Clinical Governance & Risk	6

AND 12UOC from the prescribed list of electives

Professional recognition
This program is recognised by the Australasian College of Health Service Management.

*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

Human Rights Law and Policy

Master of Human Rights Law and Policy
Program code 9211

Faculty
Law

Estimated first year tuition
A$37,200

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree in law, the social sciences or humanities - minimum credit average OR undergraduate degree in law, the social sciences or humanities with minimum two years relevant professional experience.

Program structure
All students are required to complete the compulsory course, International Human Rights, in the first year of study, and non-law graduates must also complete the compulsory course Legal Concepts, Research and Writing for Human Rights. See law.unsw.edu.au/mhrlp for more information.

Career opportunities
Graduates go on to various careers. Some work in positions in state and federal government, in the Australian Human Rights Commission or in community organisations. Some hold advocacy positions in international NGOs, or work as international civil servants in international governmental organisations.

Graduate Diploma in Human Rights Law and Policy
Program code 5211

Faculty
Law

Estimated first year tuition
A$27,900

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree in law, the social sciences or humanities. See the Master of Human Rights Law and Policy entry and law.unsw.edu.au/gdhrlp for further information.

Infectious Diseases Intelligence

Graduate Diploma in Infectious Diseases Intelligence
Program code 5362

Faculty
Medicine

Estimated first year tuition
A$29,340

Program Duration
1 year full-time or 2 years part-time by distance learning

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation

Program structure
Students are required to complete 2 core courses and 4 elective courses (total 36 Units of Credit). All courses are 6 Units of Credit.

Core Courses (12 UOC)	UOC
Current Challenges in Infectious Diseases	6
Immunisation Policy and Practice OR Tropical Disease Control	6

Elective Courses (12 UOC)	UOC
Choose two from the following:	
Immunisation Policy and Practice	6
Tropical Disease Control	6
HIV/AIDS: Australian & International Responses	6
The Global HIV Epidemic: Social Aspects	6
Outbreak Investigation	6
Communicable Diseases in Humanitarian Emergencies & Disasters	6
Social Studies in Public Health	6
Economic Evaluation in Health Care	6
Predictive Modelling in Public Health	6

PLUS

Elective Courses (12 UOC)	UOC
Foundations in Public Health and Health Care Systems*	6
International Health#	6
Epidemiology and Statistics for Public Health*#	6
Health Promotion and Social Aspects of Public Health*#	6
Community Development	6
Program Design and Evaluation	6
Healthcare Economics and Financial Management	6
Comparative Health Care Systems	6
Advanced Epidemiology	6
Reproductive, Maternal and Children's Health	6
Health Impact Assessment	6
Health Aspects of Crises, Emergencies and Disasters	6
Clinical Governance and Risk Management	6
Evidence-informed Decision Making	6
Health Leadership and Workforce Management	6
Infection Prevention and Control in the Healthcare Setting	6
Infectious Diseases Intelligence	6

* core MPH course; # core MIPH course

**Students wishing to articulate from the Graduate Certificate in Infectious Diseases Intelligence program to a Master of Public Health or Master of International Public Health program are advised to include a relevant core course as the course they complete from List C for the Graduate Certificate, and to seek further advice from the relevant Program Director.

Graduate Certificate in Infectious Diseases Intelligence
Program code 7362

Faculty
Medicine

Estimated first year tuition
A$19,560

Program Duration
1 year part-time by distance learning

Entry
February and July

Entry requirements
Please see Graduate Diploma in Infectious Diseases Intelligence (5362).

Program structure
Students are required to complete 1 core and 3 elective courses (total 24 Units of Credit). All courses are 6 Units of Credit.

Core Courses (6 UOC)	UOC
Current Challenges in Infectious Diseases	6

continued on next page

Elective Courses (12 UOC)	UOC
Choose two from the following:	
Immunisation Policy and Practice	6
HIV/AIDS: Australian & International Responses	6
The Global HIV Epidemic: Social Aspects	6
Outbreak Investigation	6
Communicable Diseases in Humanitarian Emergencies & Disasters	6
Tropical Disease Control	6
Social Studies in Public Health	6

Plus

One (6 UOC) more course from the recommended Infectious Diseases content electives list

Foundations in Public Health and Health Care Systems*	6
International Health#	6
Epidemiology and Statistics for Public Health*#	6
Economic Evaluation in Health Care	6
Predictive Modelling in Public Health	6
Infection Prevention and Control in the Healthcare Setting	6
Infectious Diseases Intelligence	6

* core MPH course; # core MIPH course

*# Students wishing to articulate from the Graduate Certificate in Infectious Diseases Intelligence program to a Master of Public Health or Master of International Public Health program are advised to include a relevant core course as the course they complete from List C for the Graduate Certificate, and to seek further advice from the relevant Program Director.

Information Systems Management

Master of Information Systems Management
Program code 8435

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1.5 years

Entry
February and July

Entry requirements
Admission to the Master of Information Systems is based on relevant academic qualifications and professional experience. There are two categories of entry:
- **Category A – To receive advance standing for the Core 1 courses (48UOC) you need:**
  1) A recognised Honours degree (with a research thesis) majoring in information systems, information technology, computer science or software engineering, as determined by UNSW Business School **OR**
  2) A recognised Bachelor degree (or equivalent qualification) majoring in information systems, information technology, computer science or software engineering with a credit average and a minimum of two years full-time relevant professional experience after completion of the relevant degree.
- **Category B – To complete the full (72UOC) program you need:**
  A recognised Bachelor degree (or equivalent qualification) as determined by the UNSW Business School and a minimum of one year of relevant professional work experience after completion of the degree.Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
This program consists of twelve courses: four core 1 courses, four core 2 courses, two elective courses and one capstone course.

Core Courses	UOC
Core 1	
Enterprise Systems	6
Operations Management	6
e-Business	6
Managing IS/IT Risk	6
Core 2	
Information Systems Strategy, Innovation and Agility	6
Business Analysis and Consulting	6
Project Management	6
AND	
Business Analytics	6
OR	
Business Process Management	6

Elective Courses (sample list)	UOC
Select two courses from the following:	
Business Process Management	6
Business Analysis and Consulting	6
Service and Quality Management	6
Information Systems Auditing and Assurance	6
Security and Ethics in Cyberspace	6
Business Intelligence Methods	6
e-Business and the Law	6
Legal Foundations of Business	6
Managing Organisational Change	6
Career Management and Skills	6
Managing the Human Side of Technology	6

Capstone Courses	UOC
IS Executive Capstone Report	12
OR	
Business Systems Project	6
AND	
One Information Systems Elective Course	6

Information Technology

Master of Information Technology
Program code 8543

Faculty
Engineering

Estimated first year tuition
A$36,960

Program Duration
2 years (or 1 year with advanced standing)

Entry
February and July

Entry requirements
A recognised four-year Bachelor degree in engineering, science or a discipline that includes mathematics up to at least year two level, with an average grade of 65% over the final two years; a recognised three-year Bachelor degree in computer science or engineering, with an average grade of 65% over the final two years; or completion of the Graduate Diploma in Information Technology.

Program structure
The program consists of 16 courses totalling 96 units of credit (UOC). These courses are defined by four study levels – level 0 has no course prerequisites, level 1 has one prerequisite, level 2 has a chain of two prerequisites and level 3 has a chain of three prerequisites. As many courses within the program have prerequisites, courses may only be studied if the required prerequisites have been met.
You may complete introductory courses (level 0), core computing courses (level 1 and 2) and advanced electives (level 3). Up to two streams can be studied:
- Artificial Intelligence
- Bioinformatics
- Information Technology
- Database Systems
- eCommerce Systems
- Geospatial
- Internetworking

Non-CSE Elective Options
You may receive one elective option for every four CSE courses completed, including one open elective.

Projects
You are also able to substitute two or three electives with a project of equal value provided you meet the following criteria:
- completed (or have advanced standing in) 72 UOC
- obtained agreement from a CSE academic supervisor
- maintained a distinction level performance in the program

Advanced Standing	UOC
Advanced standing may be granted for up to 8 courses from the following list:	

continued on next page

Foundations of Computer Science	6
Principles of Programming	6
Data Structures and Algorithms	6
Microprocessors and Interfacing	6
Database Systems	6
Computer Networks and Applications	6
Artificial Intelligence	6
Engineering Project Management	6

Majors

Up to two majors can be selected from the following areas with a completion of minimum of three courses required to satisfy the major. Course levels are indicated in brackets.

Artificial Intelligence

Experimental Robotics (1)	6
Knowledge Representation and Reasoning (1)	6
Data Warehousing and Data Mining (2)	6
Machine Learning and Data Mining (2)	6
Neural Networks (2)	6
Computer Vision (1)	6

Bioinformatics

Compulsory courses:	
Bioinformatics Methods and Applications (0)	6
Then select three courses from the following:	
Computational Bioinformatics (2)	6
Introduction to Probability and Stochastic Processes (0)	6
Introduction to Statistics and Statistical Computations* (0)	6
Data Warehousing and Data Mining (2)	6
Machine Learning and Data Mining (2)	6

* MATH5856 has a corequisite of MATH5846. Seek permission from School of Mathematics if you have sufficient background knowledge and wish to enrol in MATH5856 on its own.

Information Technology

This option is for students who do not want to specify a major. You may study three to six courses (18 to 36 UOC) from any IT specialisation.

Database Systems	UOC
Database Systems Implementation (2)	6
Data Warehousing and Data Mining (2)	6
Information Retrieval and Web Search (2)	6
Web Data Compression and Search (2)	6
Web Applications Engineering (1)	6

e-Commerce Systems	UOC
Web Applications Engineering (1)	6
Service-Oriented Architectures (2)	6
e-Enterprise Project (2)	6
e-Business: Strategy and Management* (0)	6
e-Business and the Law (0)	6

* You must apply six weeks before the start of semester by submitting a Master of Business and Technology Cross Program Enrolment form to the School of Computer Science and Engineering Student Office. A curriculum vitae must be attached at the request of the Graduate Programs in Business and Technology Program Office.

Geospatial	UOC
Principles of Geographic Information Systems	6
Introduction to GPS Positioning	6
GeoIT & Informobility Applications	6
Aerial & Satellite Imaging Systems	6
Principles of Remote Sensing	6
Data Warehousing and Data Mining	6

Internetworking	UOC
Network Routing and Switching (2)	6
Advanced Computer Networks (2)	6
Systems Capacity Planning (2)	6
Wireless Mesh and Sensor Networks (2)	6
Mobile Data Networking (2)	6
Securing Wireless Networks (2)	6
Security Engineering (2)	6

Graduate Diploma in Information Technology

Program code 5543

Faculty
Engineering

Estimated first year tuition
A$36,960

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised three-year Bachelor degree in engineering or science or a discipline that included mathematics up to at least year two level, with a high credit average over the final two years; or completion of the Graduate Certificate in Computing.

Program structure
The program consists of 12 courses totalling 72 units of credit (UOC). These courses are defined by four study levels – level 0 has no course prerequisites, level 1 has one prerequisite, level 2 has a chain of two prerequisites and level 3 has a chain of three prerequisites.

You may cover introductory courses (level 0), core computing courses (level 1 and 2) and advanced electives (level 3). Two majors can be studied.

If you are not eligible for entry to the Graduate Diploma of Information Technology, or wish to take a shorter postgraduate qualification, you may apply for the Graduate Certificate in Computing.

Graduate Certificate in Computing

Program code 7543

Faculty
Engineering

Estimated first year tuition
A$18,480

Program Duration
6 months

Entry
February and July

Entry requirements
A recognised three-year Bachelor degree in engineering or science, or a minimum of five years of work experience in an appropriate area of engineering or science.

Program structure
The program consists of four courses totalling 24 units of credit from any course within the Master of Information Technology which you are qualified to study.

Master of Information Technology (Specialisation)

Program code 9380

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Information Technology (MIT) is designed for postgraduate scholars who wish to develop an enhanced understanding of the principles that shape information technology and information systems. Students study the principles of IT governance, operation and management through concept, design, development and application phases.

For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/9380.html

International Business

Master of International Business

Program code 8371

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
2 years

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure
This program consists of 16 courses (96 UOC): seven core courses, eight elective courses and one capstone course.

Core Courses	UOC
Global Business and Multinational Enterprise	6
Cross-Cultural Management	6
Corporate Strategy in East Asia	6
Asia Pacific Business and Management	6
International Business Negotiation	6
International Human Resource Management	6
Global Business Operations and Management	6

Elective Courses (sample list)	UOC
Select eight courses from the following:	
Business Foundation Electives	
Financial Accounting	6
Quantitative Methods for Business	6
Business Economics	6
Investments and Portfolio Selection	6
Other Electives Options	
International Financial Statement Analysis	6
Financial Systems and the Economy	6
International Corporate Finance	6
International Banking Management	6
Supply Chain and Logistics Design	6
International Marketing in Asia	6
Global Business Strategy and Management	6
Chinese Business and Management	6
Special Topic in International Business	6
Business Law in a Global Economy	6
International Business Taxation	6
Project Management	6

Capstone Courses	UOC
Integrative Cases in International Business	6

Note: UNSW Business School, in partnership with the Korean Advanced Institute of Science and Technology (KAIST), and with Shanghai Jiao Tong University (SJTU), also offers a dual degree program: Master of International Business (Global). Students will complete a one-year Master of International Business at UNSW Business School and a Master of Business Administration (MBA) at the partner institution. For more information visit: business.unsw.edu.au/pg

International Law and International Relations

Master of International Law and International Relations

Program code 9240

Faculty
Law

Estimated first year tuition
A$32,760

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree in law, the social sciences or humanities - minimum credit average OR undergraduate degree in law, the social sciences or humanities with minimum two years relevant professional experience.

Program structure
You are required to complete two compulsory courses, Principles of International Law and The Politics of International Law (12 UOC) in the first year of study, then you choose half of your elective courses from the Law courses offered and half from the International Relations courses offered by UNSW Arts and Social Sciences. See law.unsw.edu.au/milir for more information.

Career opportunities
Career opportunities are diverse but may include positions in government ministry in areas such as foreign affairs, trade, defence, human rights or the environment. Other opportunities may include positions in non-government organisations or international organisations such as the United Nations.

Graduate Diploma in International Law and International Relations

Program code 5760

Faculty
Law

Estimated first year tuition
A$24,570

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree in law, the social sciences or humanities.
See the Master of International Law and International Relations entry and law.unsw.edu.au/gdilir for further information.

International Public Health

Master of International Public Health*

Program code 9048

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1 year full-time or 2 years part-time by distance learning

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

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Program structure
A total of 48 Units of Credit (UOC) is required, consisting of 18 UOC of core courses and 30 UOC of select electives.

Core Courses (18 UOC)	UOC
Health Promotion and Social Perspectives of Health	6
Epidemiology and Statistics for Public Health	6
International Health	6

International Public Health Electives (18 UOC)	UOC
Community Development	6
Program Design and Evaluation	6
Reproductive Maternal and Child Health	6
Environmental Health	6
The Global HIV Epidemic: Social Aspects and Impacts	6
Health Aspects of Crises, Emergencies and Disasters	6
Current Challenges in Infectious Diseases	6
Communicable Disease Control in Humanitarian Emergencies and Disasters	6
Tropical Disease Control	6
Global Non Communicable Diseases	6
Immunisation Policy and Practice	6
Applied Research Methods	6
Social Studies of Public Health	6
Infection Prevention Control in the Healthcare Setting	6

At least three courses (18 UOC) from the designated international public health electives must be selected

PLUS

Project or Other Electives (12 UOC)	UOC
Two Electives	12
OR	
Elective	6
PLUS	
Project in International Health	6

Graduate Diploma in International Public Health*

Program code 5567

Faculty
Medicine

Estimated first year tuition
A$29,340

Program Duration
1 year full-time or 2 years part-time by distance learning

Entry
February and July

Entry requirements
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
The Graduate Diploma in International Public Health comprises the following courses:

Courses (36 UOC)	UOC
International Health	6
Health Promotion and Social Perspectives of Health	6

PLUS

Three international health-related electives (from the Master of International Public Health)	18
One Elective	6

Graduate Certificate in International Public Health*

Program code 7367

Faculty
Medicine

Estimated first year tuition
A$19,560

Program Duration
6 months full-time or 1 year part-time by distance learning

Entry
February

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
The Graduate Certificate in International Public Health comprises courses totalling 24 units of credit (UOC) including International Health (6 UOC) and three international health-related electives as for Master of International Public Health (18 UOC).

International Relations

Master of International Relations

Program code 8233

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
March and July

The UNSW Master of International Relations examines the complex way that nation states and other global actors relate to one another. You will gain an advanced understanding of the theories and issues in contemporary world politics.

Entry requirements
Admission to the Master of International Relations is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%).

1 Year Program (48 UOC)
- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience.

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*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.
Relevant disciplines include: Social Sciences, Humanities, Business, Economics, Law, Public Health and Communications
Relevant professional experience includes: Either paid or volunteer work (including internships) undertaken in federal government agencies/departments, intergovernmental agencies, international agencies or institutions, non-governmental organisations or private research bodies. The work undertaken must relate directly to international issues or concerns (e.g. foreign policy, defence and national security, global policy issues, trade).

Program structure
1.5 Year Program (72 UOC):
1. Core Courses (30 UOC)
2. Research Courses (6-18 UOC)
3. Elective Courses (24-36 UOC)

1 Year Program (48 UOC):
1. Core Courses (18 UOC)
2. Research Course (6 - 18 UOC)
3. Elective Courses (6 - 24 UOC)

Core Courses	UOC
Global Politics (The Globalisation of World Politics)	6
International Organisations and Global Politics	6
The International Political Economy	6
Research Methods (1.5 year stream only)	6
Project Design (1.5 year stream only)	6

Research Courses	UOC
Complete one research course:	
Research Report	6
Research Project*	12
Research Thesis *	18

* Pathway to higher degrees research for students who achieve high grades.

Elective Courses	UOC
Complete between 6 to 36 UOC of elective courses depending on your program duration and research course selection. Electives include:	
International Development Policy	6
Climate Change Adaptation and Development	6
International Relations Internship Program	6
Australia in the World	6
The Politics of International Law	6
China and Asia Pacific Security	6
The Foreign Policies of the Great Powers	6
International Peace and Security	6
Terrorism and Political Violence	6
Gender in Global Politics: Money, Sex and Death	6
Global Civil Society and World Politics	6
The Middle East and Global Politics	6
Developing Countries and the International System	6
Politics of International Aid	6
Policy and Advocacy	6
Power, Politics and Policy	6
Research Methods (1 year stream only)	6

Career opportunities
Graduates are highly sought after globally in the private sector, public sector, international organisations and Non-Government Organisations (NGOs). Our graduates can be found in roles in the United Nations, the World Bank, Australian and international government departments and ministries, multi-national corporations and NGOs such as Oxfam, Unicef and the Red Cross.

Journalism and Communication

Master of Journalism and Communication

Program code 8232

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
March and July

This program provides you with a comprehensive education in journalism, media studies and communication. You will be prepared for a changing and evolving global media and communications industry.

Entry requirements
Admission to the Master of Journalism and Communication is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%).

1 Year Program (48 UOC)
- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

Relevant disciplines include: Arts, Humanities, Social Sciences, Media, Communications, Journalism, Public Relations, Advertising, Marketing, Business, Economics, Commerce and Law

Relevant professional experience can include: Work in the public relations, advertising, journalism, or media and communication sectors; or at least one year of workplace experience at management level.

Program structure
1.5 Year Program (72 UOC):
1. Core Courses (24 UOC)
2. Advanced Disciplinary Course/s (12 - 18 UOC)
3. Elective Courses (30 - 36 UOC)

1 Year Program (48 UOC):
1. Advanced Disciplinary Course/s (12 - 18 UOC)
2. Elective Courses (30 - 36 UOC)

Core Courses (1.5 year program only)	UOC
Complete 4 courses from the following list:	
Understanding Contemporary Media	6
Writing for Media	6
Broadcast Journalism	6
Online and Mobile Media	6
Media and Public Relations	6
Feature Writing	6
Media, Ethics and Law	6
Corporate and Interpersonal Communication	6

Advanced Disciplinary Courses	UOC
Your choice of path:	
Research Path	
Research Methods: Theory and Practice	6
Media Research Project	12
Practice Path	
Literary and Narrative Journalism Practice	12

Elective Courses	UOC
Complete between 30 to 36 UOC of elective courses depending on your Advanced Disciplinary Course selection. Electives include:	
Journalism and Communication Core Courses can also be studied as electives	
Non-Government Organisations and Development	6
International Development Policy	6
Explaining Crime 2	6
Law and the Culture Industries	6
Censorship, Contemporary and the Media	6
Sports, Media and Culture	6
Advertising and Creativity	6
Public Relations Strategy	6
Advertising Strategy	6
Promotional Games	6
The Politics of International Law	6
Politics of International Aid	6
Writing for Digital Media	6

Career opportunities
This degree is suitable for traditional and contemporary, ever-evolving roles across print, radio, digital and multimedia journalism and communication. Examples include roles in advertising, copy writing, journalism, advocacy, blogging, and corporate and organisational communication, marketing, publishing, public sector communication, not for profit communication, public relations, freelance writing, editing, publishing, media research and production.

Juris Doctor

JD (Juris Doctor)

Program code 9150

Faculty
Law

Estimated first year tuition
A$38,400

Program Duration
3 years

Entry
February and July

Entry requirements
A recognised Bachelor degree or equivalent qualification in any discipline other than law, or a recognised non-Australian law degree.

Program structure
The program consists of 17 compulsory courses which provide comprehensive knowledge of the many areas of law that are fundamental to legal practice and an understanding of the legal system. You then choose seven elective courses from a wide range on offer each semester. These electives include the opportunity for high-level experience of legal practice in the form of internships, clinical practice at our Kingsford Legal Centre and national and international mooting competitions. International opportunities include short courses overseas, and our international exchange program which allows you to go on exchange to one of our 65 partner law schools around the world. See law.unsw.edu.au/future-students/unsw-jd/programs/unsw-jd-program for more information.

Professional recognition
The UNSW JD is accredited by the Legal Profession Admission Board and satisfies the academic component for admission to practice as a solicitor and barrister of the Supreme Court of NSW. To practise law in other countries you must satisfy the academic and accreditation criteria in the particular jurisdiction. Always refer to the relevant authority or admitting body in that country or state.

Career opportunities
Our graduates work in Australia and all over the world as solicitors and barristers, as in-house lawyers in the corporate and government sectors, policy and legislative advisors or researchers, prosecutors or public defenders in the criminal justice system, as lawyers in community legal centres or working in non-government organisations focusing on particular issues or rights.

Law

Master of Laws

Program code 9200

Faculty
Law

Estimated first year tuition
A$37,200

Program Duration
1 year

Entry
February and July

Entry requirements
LLB or JD - minimum credit average OR LLB or JD with minimum two years relevant professional experience.

Program structure
The program consists of 48 units of credit, or eight courses (one course = 6 UOC). To incorporate a specialisation into a Master of Laws, you must pass four courses (24 UOC) from your chosen specialisation. The remaining courses may be selected from any of those offered by UNSW Law (unless otherwise stated). See law.unsw.edu.au/master-of-laws for more information.

Specialisations
LLM specialisations are available in the following areas:

- Corporate and commercial law
- Corporate, commercial law and taxation
- Criminal justice and criminology
- Dispute resolution
- Environmental law
- Human rights and social justice
- Innovation law
- International business and economic law
- International law
- Media and technology law
- Taxation

Career opportunities
Our LLM is popular with new graduates and experienced lawyers alike who seek a professional edge in their career. The Master of Laws offers law graduates an opportunity to study areas of specialty in greater depth and sophistication than is met within a Bachelor of Laws program. Course and program offerings are continually reviewed to ensure that the curriculum accurately reflects and anticipates the growing needs of both our students and industry.

Graduate Diploma in Law

Program code 5740

Faculty
Law

Estimated first year tuition
A$27,900

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised LLB or JD. See the Master of Laws entry and law website for further information.

Master of Law, Media and Journalism

Program code 9214

Faculty
Law

Estimated first year tuition
A$32,760

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree - minimum credit average OR undergraduate degree with minimum two years relevant professional experience.

Program structure
The program consists of two compulsory courses (12 UOC) in the first year of study: Understanding Contemporary Media; and Legal Concepts, Research and Writing for IP and Media Law (for non-law graduates). You then choose half of your electives courses from the media and technology law courses offered by UNSW Law and half from the media and journalism courses offered by UNSW Arts and Social Sciences. See law.unsw.edu.au/mlmj

Career opportunities
The Master of Law, Media and Journalism is of particular relevance to careers in broadcast, print and online journalism, social media, public relations, and communication and legal policy positions in government and private practice.

Graduate Diploma in Law, Media and Journalism

Program code 5214

Faculty
Law

Estimated first year tuition
A$24,570

Program Duration
1 year

Entry
February and July

Entry requirements
Undergraduate degree. See the Master of Law, Media and Journalism entry and law.unsw.edu.au/gdlmj for further information.

Logistics Management

Master of Logistics Management

Program code 8564

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Logistics Management is designed for logistics managers working in the private, public and Defence sectors who wish to gain a thorough understanding of logistics concepts and techniques. The program will enable students to learn advanced logistics planning strategies, to design and implement logistics life cycle management, inventory management, contingency forecasting, distribution, and reverse logistics. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8564.html

Marine Science and Management

Master of Marine Science and Management

Program code 8271

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 to 1.5 years

Entry
February and July

Entry requirements
A recognised three-year Bachelor degree in a relevant area. Applicants with more experience may be eligible for advanced standing and complete the degree in less time.

Program structure
The Master of Marine Science and Management consists of 72 units of credit (UoC) comprised of the following:

- 24 UoC of compulsory core courses undertaken at UNSW
- 30 UoC of directed electives taken at UNSW
- 18 UoC of electives taken at the three SIMS partner universities (University of Technology Sydney, University of Sydney, and Macquarie University)

Compulsory Courses (24 UOC)	UOC
Oceanographic Processes	6
Topics in Marine Science	6
Topics in Aust. Mar. Sc.	6
Conserv. In Aquatic Ecosystems	6

Direct Electives	UOC
Topics in Biological Science	6
Topics in Geography	6
Topics in Geology	6
Data Analysis: Env Sc & Mgt	6
Biodiv. & Cons. of Nat. Res.	6
Res. Intern. Mar.Terrest. Ecol (12 UOC)	
Environmental Toxicology	6
Channels, Rivers & Estuaries	6
Environmental Impact Assess't	6
Remote Sensing Applications	6
Principles of Geog Inf Systems	6
Adv. Geographic Info. Systems	6
Tools for Env. Management	6
Ecosystem Management	6
Environmental Mngt Systems	6
Environ Management: Economics	6
Environmental Law Fundamentals	6
Env. Eng Fundamentals	6
Law of the Sea	6
Environmental Markets	6
Fluids, Oceans and Climate	6
Marine Microbiology	6

In addition students will take 18 cp of Electives from SIMS partner universities(University of Technology Sydney, University of Sydney and Macquarie University)

Marketing

Master of Marketing

Program code 8423

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1.5 years

Entry
February and July

Entry requirements
As determined by UNSW Business School:

- **Category A – Applicants with limited professional experience require:**
  A recognised Bachelor degree (or equivalent qualification) in commerce or business with a credit average and significant academic studies in marketing or a closely related discipline; demonstrated competence in business statistics, plus a minimum of one year full-time professional work experience.
  Note: Students who have achieved a distinction average in their degree may be exempted from the one year full-time relevant work experience.
- **Category B – Applicants with a business degree and marketing experience:**
  A recognised Bachelor degree (or equivalent qualification) in commerce or business with a credit average; AND
  Minimum of two years full-time professional marketing experience and demonstrated competence in business statistics.
- **Category C – Applicants with extensive professional marketing experience:**
  A recognised Bachelor degree (or equivalent qualification) in any discipline; AND
  Minimum of five years full-time professional general marketing and business experience and demonstrated competence in business statistics, plus evidence of formal marketing training.

Program structure
The Master of Marketing has two program structures depending on the category of entry:

- Category B and C applicants are admitted into a 1 year program consisting of 8 courses (48 UOC): Three core courses, four elective (MARK6) courses, and one capstone course

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- Category A applicants are admitted into the 1.5 year program consisting of 12 courses (72 UOC): Three core courses, eight elective courses and one capstone course

Note: The core courses and capstone course are offered on Saturdays, while the elective courses are taught over weeknights.

Core Courses	UOC
Marketing Management: Contemporary Analytical Perspectives	6
Strategic Skills for Marketers	6
Creativity, Innovation and Change in Marketing	6

Elective (MARK 6) Courses (sample list)	UOC
Services Marketing Management	6
Relationship Marketing & CRM	6
Brand Management	6
Advertising, Promotion & Integrated Marketing Communication	6
Strategic Digital Marketing	6
Business-to-Business Marketing & Key Account Management	6
Advanced Marketing Strategy & Segmentation Analysis	6
Global Marketing Strategy	6
Advanced Topics in Marketing 1	6
Advanced Topics in Marketing 2	6

Elective (MARK 5) Courses (sample list)	UOC
Applied Marketing Research	6
International Marketing in Asia	6
Creativity and Innovation in Marketing	6
Distribution, Retail Channels & Logistics	6
E-Marketing	6
Events Management & Marketing	6

Capstone Course	UOC
Marketing Consulting Project	6

Materials Technology

Master of Materials Technology

Program code 8717

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 to 2 years

Entry
February and July

Entry requirements
- A Bachelor degree with a minimum weighted average mark (WAM) of 65 or the equivalent. The Bachelor degree needs to be in a cognate science or engineering discipline;
- A Graduate Certificate or Graduate Diploma in the Materials Sciences with a WAM greater than 65;
- An Honours degree at a recognised university;
- A Bachelor degree with a minimum WAM of 50-65 PLUS approximately five years professional experience in a relevant field such as in the materials processing or testing industry

Program structure

Core Courses (24 UOC)	UOC
Fundamentals of Mats Proc.	6
Fundamentals of Mats Design	6
Presentation Skills	6
Materials Industry Management	6

Research Project (24 UOC)	UOC

In addition, all students must complete a 24 UOC Research Project. This project is normally undertaken over 2 Semesters. Therefore students will be required to enrol in (Research Project) twice over two (normally consecutive) semesters.

Elective Courses (48 UOC)	UOC

A minimum of 48 UOC of advanced disciplinary electives must be taken. These include dedicated Masters coursework courses from the following list:

Phase Equilibria	6
Kinetics and Phase Trans	6
Physical Properties of Mats	6
Chemical Properties of Mats	6
Mech Properties of Materials	6
Thermal Properties of Material	6
Functional Materials	6
Computational Materials	6
Processes in Mats Engineering	6
Characterisation of Materials	6

As part of the 48 UOC of electives, students may take up to two advanced level 3 or 4 undergraduate courses in Materials Science and Engineering (maximum 12 UOC) from the following list:

Eng in Process Metallurgy	6
Phase Transformations	6
Process Metallurgy Advanced	6
Fracture Mechanics & Failure	6
Polymer Sci and Engineering 2	6

Mathematics

Master of Mathematics

Program code 8719

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1.5 years

Entry
February and July

Entry requirements
- A recognised three or four-year mathematics or statistics program within a science and/or mathematics Bachelor degree, or a degree in a related discipline.
- A sufficient mathematical/statistical background and at least a credit average grade (65%) or equivalent overseas qualifications in relevant third year higher mathematics/statistics university courses

Program structure
The program consists of 72 units of credit (UOC) comprised of 60 UOC of coursework subjects, and a supervised research project 12 UOC (Please see the note below regarding the rules regarding the Project*)

Semester 1
24 UOC of courses taken from the list of courses offered by the School of Mathematics and Statistics

Semester 2
- 18 UOC of courses taken from the list of courses offered by the School of Mathematics and Statistics
- Advanced Mathematics Project A

Semester 3
- 18 UOC of courses taken from the list of courses offered by the School of Mathematics and Statistics
- Advanced Mathematics Project B

Courses	UOC
Optimization	6
Special Topics (Appl Maths) A	6
Special Topics (Appl Maths) B	6
Fluids, Oceans and Climate	6
Special Topics (Appl Maths) D	6
Computational Mathematics	6
Comput'l Methods for Finance	6
Graph Theory	6
Computational Combinatorics	6
Special Topics (Pure Maths) A	6
Special Topics (Pure Maths) B	6
Special Topics (Pure Maths) C	6
Functional Analysis	6
Banach and Operator Algebras	6
Number Theory	6
Algebraic Topology	6
Complex Analysis	6
Analysis	6
Harmonic Analysis	6
Galois Theory	6
Modules of Represent'n Theory	6
Geometry	6
Special Topics in Statistics	6
Applied Regression Analysis	6
Continuous Time Fin'l Model'g	6
Measure, Integ & Probability	6

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Stat Methods in Epidemiology	6
Stochastic Processes	6
Data Mining	6
Time Series	6
Intro to Prob and Stoch Proc	6
Multivariate Analysis	6
Intro to Stats and Stat Comput	6
Longitudinal Data Analysis	6
Nonparametric Statistics	6
Statistical Inference	6
Clinical Trials	6
Survival Analysis	6
Categorical Data Analysis	6
Bayesian Inference & Comput'n	6
Discrete Time Fin'l Modelling	6
Intro to Stochastic Analysis	6

*The Project
The project is compulsory and taken in the 3rd semester. To progress to the 3rd semester and commence the supervised project students are required to have a WAM of 70 or higher in the first 8 Master's courses. Students who do not attain a WAM of 70 or higher in the first eight courses of their program are unable to progress to the compulsory project and will be awarded with the Graduate Diploma in Mathematics and Statistics (5659), providing they have passed 8 courses.

Graduate Diploma in Mathematics and Statistics

Program code 5659

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
6 months to 1 year

Entry
February and July

Entry requirements
- A recognised three or four-year mathematics or statistics program within a science and/or mathematics Bachelor degree, or a degree in a related discipline.
- A sufficient mathematical/statistical background and at least a credit average grade (65%) or equivalent overseas qualifications in relevant third year higher mathematics/statistics university courses

Program structure
The program requires 48 units of credit (UOC), consisting of eight courses from the School of Mathematics and Statistics. A maximum of two courses may be selected from those offered by other UNSW schools, subject to approval of Heads of relevant schools. Available courses are described on the School's website: maths.unsw.edu.au

Graduate Certificate in Mathematics and Statistics

Program code 7659

Faculty
Science

Estimated first year tuition
A$17,640

Program Duration
6 months

Entry
February and July

Entry requirements
- A recognised three or four-year mathematics or statistics program within a science and/or mathematics Bachelor degree, or a degree in a related discipline.
- A sufficient mathematical/statistical background and at least a credit average grade (65%) or equivalent overseas qualifications in relevant third year higher mathematics/statistics university courses.

Program structure
The program requires 24 units of credit, consisting of four courses from the School of Mathematics and Statistics. Available courses are described on the School's website: maths.unsw.edu.au

Mining Engineering

Master of Mining Engineering

Program code 8335

Faculty
Engineering

Estimated first year tuition
A$36,960

Program Duration
1.5 years

Entry
February

Entry requirements
A recognised four year (Honours) degree in Mining Engineering, Engineering Geology, Civil Engineering or Geotechnical Engineering. A credit average and no course fails over the final two years of the degree is also required and professional experience in the mining industry will be highly regarded. Full details on entry requirements are available at engineering.unsw.edu.au/mining-engineering.

Specialisations

Mine Geomechanics (MINEJS8335)

The stream requires successful completion of seven core courses (Group A) and five elective courses (Group B) a total of 72 UOC.

Group A Core courses	UOC
Foundation disciplinary:	
Eng Postgraduate Research Skills	6
Fundamentals of Mining Engineering	6
Additional Disciplinary:	
Mining Processes, Systems and Analysis	6
Hazard ID, Risk and Safety Mgt	6
Mining Geomechanics	6
Mining Industry Research Project	6
Mine Geol & Geophysics	6

Group B Elective courses	UOC
Advanced disciplinary:	
Technology Management	6
Geotechnical Engineering*	6
Geotechnical Data Collection*	6
Mining Geotechnical Project*	6
Mine Slope Stability	6
Numerical in Mine Geomechanics	6
Adv Soil Mechs and Mine Fill	6
Drilling, Blasting and Machine	6
Mine Water & Waste Management	6

* Written permission from the Program Authority is required prior to enrolment in these courses.

Mine Management (MINEPS8335)

The stream requires successful completion of five core courses (Group A) and seven elective courses (Group B) a total of 72 UOC.

Group A Core courses	UOC
Foundation disciplinary:	
Eng Postgraduate Research Skills	6
Fundamentals of Mining Engineering	6
Additional Disciplinary:	
Mining Processes, Systems and Analysis	6
Hazard ID, Risk and Safety Mgt	6
Mining Industry Research Project	6

Group B Elective courses	UOC
Advanced disciplinary:	
Mining and Resource Law	6
Technology Management	6
Management Systems	6
Mine Geol & Geophysics	6
Env Mgt for the Mining Ind	6
Advanced Mineral Economics	6
Mineral Processing	6
Mine Design and Feasibility	6
Mine Water & Waste Management	6
Uranium mining fundamentals	6
Mine Ventilation	6
Mining Industry Research Projectect II*	6

*Written permission is required for this course.

A course calendar indicating options for core and elective courses is available from the UNSW School of Mining Engineering website engineering.unsw.edu.au/mining-engineering

Graduate Diploma in Mining Engineering

Program code 5335

Faculty
Engineering

Program Duration
1 year

Estimated first year tuition
A$36,960

Entry
February and July

Entry requirements
A recognised four year degree in Mining Engineering or a related engineering or physical sciences discipline from a recognised institution, or a three year degree plus a minimum of one year relevant industry experience. At least an average 65% and no course fails.

Specialisations

Mine Geomechanics (MINERS5335)

The stream requires successful completion of six core courses (Group A) and two elective courses (Group B) a total of 48 UOC .

Group A Core courses	UOC
Foundation disciplinary:	
Eng Postgraduate Research Skills	6
Fundamentals of Mining Engineering	6
Additional Disciplinary:	
Mining Processes, Systems and Analysis	6
Hazard ID, Risk and Safety Mgt	6
Mining Geomechanics	6
Mine Geol & Geophysics	6

Group B Elective courses	UOC
Advanced disciplinary:	
Technology Management	6
Mining Industry Research Project*	6
Mine Slope Stabiloity	6
Adv Soil Mechns and Mine Fill	6
Drilling, Blasting and Machine	6
Mine Water & Waste Management	6

* Written permission from the Program Authority is required prior to enrolment in these courses.

Mine Management (MINEQS5335)

The stream requires successful completion of four core courses (Group A) and four elective courses (Group B) a total of 48 UOC.

Group A Core courses	UOC
Foundation disciplinary:	
Eng Postgraduate Research Skills	6
Fundamentals of Mining Engineering	6
Additional Disciplinary:	
Hazard ID, Risk and Safety Mgt	6
Mining Processes, Systems and Analysis	6

Group B Elective courses	UOC
Advanced disciplinary:	
Mining and Resource Law	6
Technology Management	6
Management Systems	6
Mine Geol & Geophysics	6
Env Mgt for the Mining Ind	6
Advanced Mineral Economics	6
Mineral Processing	6
Mine Design and Feasibility	6
Mine Water & Waste Management	6
Uranium mining fundamentals	6
Mine Ventilation	6

Optometry and Vision Science

Master of Optometry

Program code 8073

Faculty
Science

Program Duration
1 to 1.5 years

Estimated first year tuition
A$35,280

Entry
February

The program provides advanced training in clinical and theoretical aspects of optometry, with opportunities for specialisation in areas such as contact lenses, occupational optometry, and behavioural optometry.

Entry requirements
A recognised three-year Bachelor degree in optometry with an average of 65 or above.

Program structure
The program consists of two core courses in addition to a selection of courses from the electives listed below. The core course is to be taken in the first semester of enrolment in this program. A total of 72 UOC is required for this degree. A number of the courses have pre-requisites, co-requisites or exclusions, as indicated in the course descriptions. Up to 12 UOC may be taken elsewhere in the University subject to the approval of the Head of School. Available courses for Graduate Certificate, Graduate Diploma, Graduate Diploma by Research, and Master of Optometry programs are listed as follows:

Core courses	UOC
Evidence Based Optometry	6
Research Skills in Optometry	6
OR	
Research Project	6

Elective courses	UOC
Behavioural Optometry 1	6
Advanced Contact Lens Studies 1	6
Public Health Optometry	6
Visual Neuroscience	6
Behavioural Optometry 2	6
Specialty Contact Lens Studies	6
Speciality Contact Lenses	6
Advanced Clinical Optometry	6
Business Skills in Optometry	12

Pharmaceutical Medicine

Master of Pharmaceutical Medicine

Program code 9060

Faculty
Medicine

Program Duration
3 years part-time by distance

Estimated first year tuition
A$19,560

Entry
February

Entry requirements
3 year undergraduate degree in a cognate discipline plus relevant industry experience or 4 year undergraduate degree or higher qualifications in a cognate discipline. Those who do not have a degree but have relevant experience in the pharmaceutical industry may be admitted to the Graduate Certificate and, upon successful completion of this program, may apply to upgrade to the Graduate Diploma and then, if they wish, to the Master degree.

Program structure

Core courses (12 UOC)	UOC
Principles of Drug Action	6
Law, Ethics and the Regulation of Medicines	6

PLUS

Elective courses	UOC
Efficacy and Safety of Medicines	6
Clinical Development of Medicines	6
Advanced Pharmaceutical Development of Medicines*	6
Therapeutics and the Molecular Basis of Disease 1	6
Therapeutic Basis of Drug Use and Development 1	6
Therapeutic Basis of Drug Use and Development 2	6
R&D in the Pharmaceutical Industry	6
Cancer Therapeutics	6
Pharmaceutical Development of Medicines	6
Post-marketing Compliance of Medicines	6
Biostatistics and Trial Design*	6
Advanced Pharmacokinetics*	6
Pharmacoeconomics*	6
Advanced Regulatory Affairs	6
Therapeutics and the Molecular Basis of Disease 2	6
Advanced Clinical Trials Management*	6
Economic Drivers of the Pharmaceutical Industry and Medical Department Management	6

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* Electives have prerequisites

Non SoMS Electives (12 UOC)	UOC

Up to two Electives from courses (all 6 UOC) outside the School of Medical Sciences may be taken in the final year of study.

Professional recognition
The Pharmaceutical Medicine program is supported strongly in Australia by peak industry organisations and internationally by the Drug Information Association.

Graduate Diploma in Pharmaceutical Medicine

Program code 5504

Faculty
Medicine

Program Duration
2 years part-time by distance

Estimated first year tuition
A$19,560

Entry
February

Entry requirements
A recognised three-year Bachelor degree in a cognate discipline which is defined as a degree in one of the following: biomedical/biological sciences; pharmacy; nursing; veterinary science; chemistry/medicinal chemistry; medicine

Program structure

Core courses (24 UOC)	UOC
Principles of Drug Action	6
Law, Ethics & the Regulation of Medicines	6

Elective courses	UOC
Cancer Therapeutics	6
Non-Clinical Assessment of Medicines	6
Clinical Development of Medicines	6
Medicines Development	6
Pharmaceutical Development of Medicines	6
Post-marketing Compliance of Medicines	6
Clinical Trial Design and Biostatistics *(prerequisite is Clinical Development of Medicines)*	6
Advanced Pharmacokinetics *(prerequisite is Non-Clinical Assessment of Medicines)*	6
Health Technology Assessment / Pharmacoeconomics	6
Advanced Regulatory Affairs *(prerequisite is Introduction to Regulatory Affairs)*	6
Advanced Pharmaceutical Development of Medicines *(prerequisite is Pharmaceutical Development of Medicines)*	6
Therapeutics 1	
Therapeutics 2	
Therapeutics 3	
Therapeutics 4	
Advanced Clinical Trials Management *(prerequisite is Clinical Development of Medicines)*	
Medical Department Management	

Graduate Certificate in Pharmaceutical Medicine

Program code 7370

Faculty
Medicine

Program Duration
1 year part-time by distance

Estimated first year tuition
A$19,560

Entry
February

Entry requirements
Potential students who do not have a degree but have relevant experience in the pharmaceutical industry may be admitted.

Program structure

Core courses (24 UOC)	UOC
Principles of Drug Action	6
Efficacy and Safety of Medicines	6
Law, Ethics and the Regulation of Medicines	6
Clinical Development of Medicines	6

Planning

Master of Planning

Program code 8147

Faculty
Built Environment

Program Duration
1.5 years

Estimated first year tuition
A$30,960

Entry
February and July

Entry requirements
A recognised Bachelor degree with a credit average or above. Where qualifications are not considered adequate, admission may be permitted to the Graduate Diploma, with the possibility of upgrading to the Master program, subject to satisfactory performance.

Program structure
A total of 72 units of credit (UOC) is required, consisting of seven core courses (42 UOC), a planning project (12 UOC) and elective courses (18 UOC).

Core courses (42 UOC)	UOC
Social Planning	6
Planning and Land Policy	6
Land and Environmental Law	6
Spatial Policy	6
Urban Planning and Infrastructure	6
Urban Economics	6
Human Factors, Sustainability and Habitability	6
PLUS	
Planning Project	12

PLUS

Elective	UOC

The Master of Planning may be undertaken as a general degree, or with a concentration in one field by taking 18 UOC of electives from one of the following fields, together with an approved planning project.

Environmental Sustainability Stream	UOC
Environmental Management	6
Environmental Impact Assessment	6
Frameworks for Environmental Management	6
Tools for Environmental Management	6
Sustainable Development and the Urban Environment	6
Energy and the Built Environment	6

Urban Design Stream	UOC
Architecture and the City	6
Design Modelling Time Based	6
Urban and Regional Design	6
Urban Design Studio 1	12
Urban Design Studio 2	12
History and Theory of Urban Development and Design	6
Case Studies in Urban Development and Design	6

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Urban Landscape and Heritage	6

Urban Governance and Management Stream	UOC
Transport Land Use and Environment	6
Rural Planning	6
Housing Policy	6
Property Development	6
Case Studies in Urban Development and Design	6
Urban Landscape and Heritage	6

Urban Modelling Stream	UOC
Design Modelling Time Based	6
Design Collaboration using a Building Information Model	6
Urban Transport Planning Practice	6
GIS for the Built Environment	6

Professional recognition
The program is accredited by the Planning Institute of Australia (PIA). Graduates are eligible, subject to professional experience requirements, for corporate membership of PIA.

Career opportunities
Planners are employed in a large variety of positions in many different organisations with relating to the built environment. The major employment sectors are state and federal government departments (dealing with land use development, transport, heritage, infrastructure, urban services etc), local councils, consultant planners, property companies, and environmental organisations.

As the Planning program is constantly under review, this may result to changes in the program for 2016. Check the online handbook and website for latest program content.

Graduate Diploma in Planning

Program code 5147

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
1 year

Entry
February and July

Entry requirements
A recognised Bachelor degree or equivalent. Where qualifications are not considered adequate, admission may be permitted on the basis of professional experience.

Program structure
The program consists of seven core courses within the Master of Planning, totalling 42 units of credit, and one elective (6 UOC).

Physics

Graduate Diploma (Research)

Program code 5304

Faculty
Science

Estimated first year tuition
A$35,280

Program Duration
1 year

Entry
February, July (Entry is dependent on the availability of a suitable academic supervisor.)

Graduate Diploma (Research) can be used as a higher degree qualifying program (for students who do not meet criteria for direct entry to Honours or MSc/PhD programs), to upgrade existing qualifications or to develop expertise in a different but related disciplinary area from that of the first degree. Students who qualify to enrol in the Honours program would generally be expected to do so rather than enrol in this Graduate Diploma (Research) program.

Research projects are available in all areas of the School of Physics at UNSW: astrophysics, biophysics, condensed matter physics, music acoustics, and theoretical physics. Full-time and part-time projects are available, subject to the discretion of the supervisor. Further information on research projects offered in the School, some of which are suitable for Graduate Diploma students, can be found at physics.unsw.edu.au.

Entry requirements
Applicants should have completed a three year (full-time equivalent) Bachelor of Science, with a major in Physics, with a minimum WAM in the range 55-64%. Student with a major in a closely related area, e.g. Astrophysics, may also be eligible for admission.

It is essential that applicants identify an appropriate academic supervisor and obtain their agreement prior to submitting an application for the Graduate Diploma (Research) in Physics. Agreement of a supervisor is not a guarantee of admission but is required before an application will be considered. Information about academics in the School of Physics and their research interests is available from the School of Physics website physics.unsw.edu.au.

Program structure
The Graduate Diploma (Research) in Physics consists of 24 UOC of advanced coursework, and a research project, under the guidance of an academic supervisor culminating in a written thesis, worth 24 UOC. Courses can be chosen from:

Courses	UOC
Advanced Physics	6
Advanced Theoretical Physics 1	6
Advanced Theoretical Physics 2	6
Advanced Astrophysics	6
Advanced Solid State Physics 1	6
Advanced Solid State Physics 2	6
Advanced Experimental Physics	6

Students may enrol into these courses in Semester 1 or Semester 2, depending on course timetabling. All courses contribute equally to the final weighted average mark for the Graduate Diploma (Research), i.e., coursework contributes a total of 50%.

Research projects are available in all Departments of the School: Astrophysics; Biophysics; Condensed Matter Physics; Theoretical Physics; and Music Acoustics. Full-time and part-time projects are available, subject to the discretion of the supervisor. Students will complete 24 UOC of research, by enrolling in courses from the following:

Courses	UOC
PHYS5006 Physics Research Project	6
PHYS5012 Physics Research Project	12
PHYS5018 Physics Research Project	18
PHYS5024 Physics Research Project	24

Half way through their research project students will be required to submit a literature review. This will contribute 30% to the final research grade. Students will submit a written thesis at the end of their final session. The thesis will contribute 70% to the final research grade. Students will also be required to present a seminar at the end of their research project.

Professional Accounting

Master of Professional Accounting

Program code 8409

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Note: This program is suitable for graduates with limited or no exposure to previous accounting study

Program structure
This program consists of 13 core courses (72 UOC).

Core courses	UOC
Auditing and Assurance Services	6
Financial Accounting	6
Strategic Management Accounting	6
Corporate Accounting and Regulation	6
Management Accounting and Business Analysis	6
Business Economics	6
Introductory Statistics and Data Analysis	3
Corporate Finance	6
Legal Foundations for Accountants	3
Accounting Information Systems	6
Corporations and Business Associations Law	6
Taxation Law	6
Advanced Financial Reporting	6

Master of Professional Accounting (Extension)

Program code 8415

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
2 years

Entry
February and July

You will study the required 13 core courses as stipulated in the Master of Professional Accounting, plus four additional elective courses to increase breadth or depth of knowledge in accounting or a related field.

Entry requirements
A recognised Bachelor degree (or equivalent qualification) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au

Note: This program is suitable for graduates with limited or no exposure to previous accounting study

Program structure
This program consists of 17 courses (96 UOC): 13 core courses and four elective courses.

Master of Professional Accounting (Extension) Elective Courses (sample list)	UOC
Select four courses from the following:	
International Financial Statement Analysis	6
Business Analysis and Valuation	6
Business Risk Management	6
Managing Intangible Resources	6
E-Business: Strategy and Processes	6
Managing Agile Organisations	6
Reporting for Climate Change and Sustainability	6
Legal Environment of Asian Business	6
Information Systems Auditing and Assurance	6
Chinese Business and Management	6
Corporate Strategy in East Asia	6
International Business Taxation	6
International Corporate Governance: Accounting and Finance Perspectives	6
Or other courses as approved by the Program Director	

Professional recognition
The Master of Professional Accounting and its (Extension) program are accredited by CPA Australia and Chartered Institute Australia and New Zealand. Although the degrees are accredited, these organisations assess every applicant against standing membership requirements.
For further information, contact the professional bodies or obtain information from their websites: www.cpaaustralia.com.au and www.charteredaccountants.com.au

Note: There is opportunity for high performing students to study a research training path involving accounting research methodology and project report.

Project Management

Master of Project Management

Program code 8595

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The MProjMgt is designed for postgraduate scholars with appropriate undergraduate qualifications in a relevant discipline and/or extensive professional experience who wish to develop a higher level understanding of the principles and practices of project management and to strengthen their skills in this area.
For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8595.html

Property and Development

Master of Property and Development

Program code 8127

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised Bachelor degree from an appropriate discipline with a credit average or above.

Program structure
A total of 72 units of credit (UOC) is required, consisting of six core courses (36 UOC), three elective courses (18 UOC), Research Seminar (6 UOC) and a research project (12 UOC).

Applicants with a relevant bachelor degree with Honours, or a relevant bachelor degree with credit average or above and 12 months industry experience at a management level, will be entitled to 24 units of transfer credit.

Core courses (36 UOC)	UOC
Property Performance Analysis	6
Property Investment and Finance	6
Real Property Law	6
Property Development and Feasibility Analysis	6
Property Industry Application	6

continued on next page

Property Valuation	6
PLUS	
Elective courses (36 UOC)	**UOC**
Asset and Facility Management	6
Urban Economics	6
Construction Project Management Theory	6
Planning and Land Policy	6
Sustainable Development and Urban Environment	6
Investment and Portfolio Selection	6
Case Studies in Urban Development and Design	6
Research courses (18 UOC)	**UOC**
Research Seminar	6
Research Project	12

Electives can also be studied from a postgraduate program within another faculty at UNSW subject to meeting any prerequisites for that course and subject to the Program Director's approval.

Most courses are offered in only one semester per year. Some courses may not be offered every year. Please check course availability with the Faculty Student Centre prior to enrolment.

Career opportunities
Graduates will have developed a strong background in property development and investment, which will enable them to manage large commercial property portfolios or develop careers in financial institutions (banking and investment) and industry by participating in a wide range of activities such as property development, property analysis, property finance, property management and asset and facilities management.

Professional recognition
The program is recognised by the Australian Property Institute (API) – subject to the relevant institutions designated practical experience requirement.

Psychology

Master of Psychology (Clinical)

Program code 8256

Faculty
Science

Program Duration
2 years

Estimated first year tuition
A$35,280

Entry
February

Entry requirements
An accredited four-year Bachelor degree with First Class Honours in psychology from a university recognised by the Australian Psychological Accreditation Council (APAC) or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.

*Eligible students must also meet the specific English language proficiency requirements:
overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
The program structure for both the Master and dual PhD/Master degree consists of three compulsory components:

- Coursework courses (weekly lectures and seminars with associated written forms of assessment)
- Professional practice (completion of a minimum of 1,000 hours of supervised clinical practice within the School clinic and in field clinical settings, weekly clinical meetings and skills training workshops)
- A research thesis (Master program) or PhD thesis (Dual PhD/Master program).

Stage 1 Courses (48 UOC)	UOC
Research and Evaluation Methods	6
Psychological Assessment 1	6
Child Clinical Psychology	6
Clinical Neuropsychology	6
Experimental Clinical Psychology 1	6
Experimental Clinical Psychology 2	6
Professional and Ethical Practice (Clinical) 1	6
Professional and Ethical Practice (Clinical) 2	6
PLUS	
Stage 2 Courses (48 UOC)	**UOC**
Psychology of Health and Illness	6
Experimental Clinical Psychology 3	6
Professional and Ethical Practice (Clinical) 3	6
Professional and Ethical Practice (Clinical) 4	6
Research Thesis (Clinical) 1	12
Research Thesis (Clinical) 2	12

Professional recognition
The Master of Psychology (Clinical) is an APAC-accredited postgraduate program offering the fifth and sixth years of required study leading to full membership of the Australian Psychological Society (the professional body of Australian psychologists) and its specialist college, registration as a psychologist with the Psychology Board of Australia, and practice endorsement as a clinical psychologist.

If your qualifications were completed outside Australia or you did not complete your secondary education in English, to obtain full or provisional registration with the Psychology Board of Australia (PsyBA), you must demonstrate English language skills at IELTS academic level 7 with a minimum score of 7 in each of the four components (listening, reading, writing and speaking). Results of the test must be obtained in one sitting within two years prior to applying for registration. Those who are not registered as a provisional psychologist cannot undertake professional practice, a compulsory component of all Master of Psychology programs, as they are not permitted to have any patient or client contact.

Master of Psychology (Forensic)

Program code 8257

Faculty
Science

Program Duration
2 years

Estimated first year tuition
A$35,280

Entry
February

Entry requirements
An accredited four-year Bachelor degree with First Class Honours, or upper Second Class First Division Honours in psychology from a university recognised by the APAC, or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.

*Eligible students must also meet the specific English language proficiency requirements:
overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
The program structure for both the Master and Dual PhD/Master degree consists of three compulsory components:

- Coursework courses (weekly lectures and seminars with associated written forms of assessment)
- Professional practice (completion of a minimum of 1,000 hours of supervised practice in forensic settings, weekly forensic psychology meetings, and skills training workshops)
- A research thesis (Master program) or PhD thesis (Combined PhD/Master program)

Stage 1 Courses (48 UOC)	UOC
Research and Evaluation Methods	6
Psychological Assessment 1	6
Interventions in Forensic Psychology 1	6
Interventions in Forensic Psychology 2	6
Applications of Forensic Psychology	6
Professional and Ethical Practice (Forensic) 1	6
Professional and Ethical Practice (Forensic) 2	6
Law for Psychologists 1	6
OR Law for Psychologists 2	6*
PLUS	
Stage 2 Courses (48 UOC)	**UOC**
Experimental Psychology and Law	6
Professional and Ethical Practice (Forensic) 3	6
Professional and Ethical Practice (Forensic) 4	6
Research Thesis (Forensic) 1	12
Research Thesis (Forensic) 2	12
Law for Psychologists 1	6
OR Law for Psychologists 2	6*

***** Offered in alternate years. Students can complete these two courses in any order and should enrol in which ever is offered regardless of whether they are at Stage 1 or Stage 2.

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Professional recognition
The Master of Psychology (Forensic) is an APAC-accredited postgraduate program offering the fifth and sixth years of required study leading to full membership of the Australian Psychological Society (the professional body of Australian psychologists), to registration as a psychologist with the Psychology Board of Australia, and practice endorsement as a forensic psychologist.

If your qualifications were completed outside Australia or you did not complete your secondary education in English, to obtain full or provisional registration with the Psychology Board of Australia (PsyBA), you must demonstrate English language skills at IELTS academic level 7 with a minimum score of 7 in each of the four components (listening, reading, writing and speaking). Results of the test must be obtained in one sitting within two years prior to applying for registration. Those who are not registered as a provisional psychologist cannot undertake professional practice, a compulsory component of all Master of Psychology programs, as they are not permitted to have any patient or client contact.

Master of Psychology (Organisational)

Program code 8258

Faculty
Science

Program Duration
2 years

Estimated first year tuition
A$35,280

Entry
February

Entry requirements
An accredited four-year Bachelor degree with First Class Honours or upper Second Class First Division Honours in psychology from a university recognised by the APAC, or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.

*Eligible students must also meet the specific English language proficiency requirements:
overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
Professional practice (completion of a minimum of 1,000 hours of supervised organisational practice in the School's Career Research and Assessment Service and in organisational field settings, weekly organisational meetings and career development workshops)

Stage 1 Courses (48 UOC)	UOC
Research and Evaluation Methods	6
Psychology of Organisations 1	6
Psychology of Organisations 2	6
Learning, Training and Development	6
Career Choice and Development	6
Professional and Ethical Practice (Organisational) 1	6
Professional and Ethical Practice (Organisational) 2	6
Assessment in Organisations	6
Stage 2 Courses (48 UOC)	**UOC**
Psychological Assessment 2	6
Advanced Topics in Organisational Psychology	6
Professional and Ethical Practice (Organisational) 3	6
Professional and Ethical Practice (Organisational) 4	6
Research Thesis (Organisational) 1	12
Research Thesis (Organisational) 2	12

Professional recognition
The Master of Psychology (Organisational) is an APAC-accredited postgraduate program offering fifth and sixth years of study leading to full membership of the Australian Psychological Society (the professional body of Australian psychologists), to registration as a psychologist with the Psychology Board of Australia, and practice endorsement as an Organisational Psychologist.

If your qualifications were completed outside Australia or you did not complete your secondary education in English, to obtain full or provisional registration with the Psychology Board of Australia (PsyBA), you must demonstrate English language skills at IELTS academic level 7 with a minimum score of 7 in each of the four components (listening, reading, writing and speaking). Results of the test must be obtained in one sitting within two years prior to applying for registration. Those who are not registered as a provisional psychologist cannot undertake professional practice, a compulsory component of all Master of Psychology programs, as they are not permitted to have any patient or client contact.

Dual Award Degree Programs
Dual PhD/Master of Psychology (Clinical) - page 99
Combined PhD/Master of Psychology (Forensic) - page 99
Combined PhD/Master of Psychology (Organisational) - page 99

Public Health

Master of Public Health*

Program code 9045

Faculty
Medicine

Program Duration
1 year full-time or 2 years part-time by distance learning

Estimated first year tuition
A$39,120

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:

- Honours or postgraduate qualification in a health-related or public health-related discipline; or
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; or
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
A total of 48 units of credit (UOC) is required, consisting of 18 UOC of core courses and 30 UOC of selected electives.

Core Courses (18 UOC)	UOC
Health Promotion and Social Perspectives of Health	6
Epidemiology and Statistics for Public Health	6
Foundations in Public Health and Health Care Systems	6
Electives (30 UOC)	**UOC**
Community Development	6
Advanced Health Economics and Financial Management	
Program Design and Evaluation	6
Qualitative Research Methods	6
Prevention and Management of Chronic Disease	6
Applied Research Methods in Public Health	6
Ethics and Law in Public Health	6
Policy Studies	6
Economic Evaluation in Health Care	6
Comparative Health Care Systems	6
Advanced Biostatistics and Statistical Computing	6
Advanced Epidemiology	6
Tobacco, Alcohol and Illicit Drugs	6
Reproductive, Maternal and Child Health	6
Rehabilitation and Restorative Care	6
Environmental Health	6
Management of Aged Care Programs and Services	6
Principles and Practice of Primary Health Care in the Community	6
HIV/AIDS: Australian and International Responses	6

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*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

The Global HIV Epidemic: Social Aspects and Impacts	6
Inequalities and Health	6
Health Impact Assessment	6
Public Health Perspectives of Indigenous Health	6
Indigenous Health and Wellbeing Across the Lifespan	6
Case Studies in Aboriginal Health and Torres Strait Islander Health	6
Health Aspects of Crises, Emergencies and Disasters	6
Management of Laboratory Services	6
Managing Human Resources for Health	6
Outbreak Investigation	6
Public Health Aspects of Mental Health	6
Current Challenges in Infectious Diseases	6
Communicable Disease Control in Humanitarian Emergencies and Disasters	6
Tropical Disease Control	6
Predictive Modelling in Public Health	6
Social Studies of Public Health	6
Immunisation Policy and Practice	6
Social Epidemiology	6
Global Non-Communicable Disease: population approaches	6
Infection Prevention and Control in the Healthcare Setting	6
Infectious Diseases Intelligence	6

Specialisations

The following specialisations are available in the Master of Public Health program:

- Health Economic Evaluation
- Aboriginal Health and Wellbeing
- Health Promotion
- Infectious Diseases Epidemiology and Control
- International Health
- Primary Health Care
- Social Research
- Quantitative Research Methods

Master of Public Health (Extension)*

Program code 9046

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1.5 years full-time or 2 years part-time by distance education

Entry
February and July

Entry requirements

Transfer considered on completion of the Master of Public Health (9045) or equivalent with a minimum credit average and submission of an acceptable research proposal.

Program structure

The program is available through distance education if you choose to study outside Australia.

In addition to the 48 UOC required for the Master of Public Health, you must complete 24 UOC consisting of one 6 UOC course tailored to your particular research project and a major project (18 UOC).

Graduate Diploma in Public Health*

Program code 5507

Faculty
Medicine

Estimated first year tuition
A$29,340

Program Duration
1 year full-time or 2 years part-time by distance learning

Entry
February and July

Entry requirements

An undergraduate degree in a health-related or public health-related discipline and:

- Honours or postgraduate qualification in a health-related or public health-related discipline; or
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; or
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure

Core Courses (12 UOC)	UOC
Foundations in Public Health and Health Care Systems	6
Health Promotion and Social Perspectives of Health	6

Electives (24 UOC)	UOC
Four electives from the Master of Public Health	24

Graduate Certificate in Public Health*

Program code 7368

Faculty
Medicine

Estimated first year tuition
A$19,560

Program Duration
6 months full-time (Semester 1 commencement only) or 1 year part-time by distance learning.

Entry
February and July

Entry requirements

An undergraduate degree in a health-related or public health-related discipline and:

- Honours or postgraduate qualification in a health-related or public health-related discipline; or
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; or
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure

Courses (24 UOC)	UOC
Foundations in Public Health and Health Care Systems	6
3 electives from the Master of Public Health	18

*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

Public Policy and Governance

Master of Public Policy and Governance

Program code 8259

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
March and July

The UNSW Master of Public Policy and Governance provides specialist studies in public policy and management, public administration and public governance of services at the local, national and international level.

Entry requirements

Admission to the Master of Public Policy and Governance is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)

- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%).

1 Year Program (48 UOC)

- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

Relevant disciplines include: Social Sciences, Humanities, Business, Economics, Law, Public Health, Communications, Social Research and Policy and Social Work.

Relevant professional experience can include: Working in the public sector, unions, business organisations, research/policy institutes or third sector organisations.

Program structure

1.5 Year Program (72 UOC):

1. Core Courses (30 UOC)
2. Research Course (6 - 18 UOC)
3. Elective Courses (24 - 36 UOC)

1 Year Program (48 UOC):

1. Core Courses (18 UOC)
2. Research Course (6 - 18 UOC)
3. Elective Courses (6 - 24 UOC)

Core Courses	UOC
Policy Analysis	6
Policy, Regulation and Governance	6
Policy and Advocacy	6
Research Methods (1.5 year stream only)	6
Project Design (1.5 year stream only)	6

Research Courses	UOC
Complete one research courses:	
Research Report	6
Research Project*	12
Research Thesis*	18

* Pathway to higher degrees by research for students who achieve high grades

Electives	UOC
Complete between 6 to 36 UOC of elective courses depending on your program duration and research course selection. Electives include:	
Social Planning	6
Planning and Land Policy	6
International Development Policy	6
Climate Change Adaptation and Development	6
Evaluation of Educational Programs	6
Society, Environmental Policy and Sustainability	6
The Legal Landscape of the Sharing Economy	6
Policy Studies	6
Global Politics: The Globalisation of World Politics	6
The International Political Economy	6
Community Development	6
Politics of International Aid	6
Rights Based Project Design and Evaluation	6
International Social Development Project	6
Information and Research for Policy	6
Power, Politics and Policy	6
Changing Social Policy	6
Research Methods (1 year stream only)	6

Career opportunities

Graduates are found influencing and shaping public policy in government, non-government and private sectors in Australia and internationally.

Public Relations and Advertising

Master of Public Relations and Advertising

Program code 8281

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
1 to 1.5 years

Entry
March and July

The Master of Public Relations and Advertising is ideal for industry professionals seeking to advance their career, as well as career-changers wanting to enter a vibrant and rapidly evolving industry.

Entry requirements

Admission to the Master of Public Relations and Advertising is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)

- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%).

1 Year Program (48 UOC)

- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) OR
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

Relevant disciplines include: Arts, Humanities, Social Sciences, Media, Communications, Journalism, Public Relations, Advertising, Marketing, Business, Economics, Commerce and Law.

Relevant professional experience can include: Work in in the public relations, advertising, journalism, or media and communication sectors; or at least one year of workplace experience at management level.

Program structure

1.5 Year Program (72 UOC):

1. Core Courses (24 UOC)
2. Advanced Disciplinary Course/s (18 - 24 UOC)
3. Elective Courses (24 - 36 UOC)

1 Year Program (48 UOC):

1. Advanced Disciplinary Course/s (18 - 24 UOC)
2. Elective Courses (24 - 30 UOC)

Core Courses (1.5 year program only)	UOC
Complete four courses from the following list	
Understanding Contemporary Media	6
Writing for Media	6
Media and Public Relations	6
Feature Writing	6
Advertising and Creativity	6
Corporate and Interpersonal Communication	6
Public Relations Strategy	6

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Advertising Strategy	6
Advanced Disciplinary Courses	**UOC**
Critical Perspectives on Public Relations and Advertising	6

AND your choice of path:

Research Path	
Research Methods: Theory and Practice	6
Media Research Project	12
Practice Path	
Brand Management	12
Electives	**UOC**

Complete between 24 to 30 UOC of elective courses depending on your Advanced Disciplinary Course selection. Electives include:

Public Relations and Advertising Core Courses can be studied as electives

Law and the Culture Industries	6
Censorship, Contempt and the Media	6
Events Management and Marketing	6
Sports, Media and Culture	6
Media Ethics and Law	6
Promotional Games	6
Insight, Processes and Communication	6
Writing for Digital Media	6

Career opportunities

This degree prepares you to be industry-ready for roles in public relations, advertising account management, advertising creative services, corporate affairs, media relations, social media and communications and events.

Reproductive Medicine

Master of Reproductive Medicine

Program code 9065

Faculty
Medicine

Program Duration
1 year full-time or 2+ years part-time by distance

Estimated first year tuition
A$39,120

Entry
February and July

Entry requirements

An undergraduate degree in medicine, nursing, health or medical science and:

- an Honours, Graduate Certificate, Graduate Diploma or higher qualification in medicine, nursing or health or medical science; or
- commencement of a recognised postgraduate medical specialist training program (e.g. general practice, obstetrics & gynaecology); or
- 1 year full-time equivalent of postgraduate professional experience in medicine, nursing, health or medical science.

Program structure

This program is designed to be completed part-time over two years. However, a significant degree of flexibility is allowed in completing the program to suit your time commitments. Basic Reproductive Physiology must be completed before undertaking the clinical courses. You may then select any combination of electives to make a total of 48 UOC for the program.

Career opportunities

The reproductive medicine postgraduate programs will enhance the career prospects of doctors and trainees in obstetrics and gynaecology who wish to specialise in reproductive medicine and surgery. Some will see this as part of the lead up to registration for CREI training, others will use it as part of a more general enhancement of their understanding of this area of practice. However, the opportunities presented by this program are far broader than this.

The UNSW postgraduate program is internationally recognised and the reproductive medicine degree will be useful throughout the world for those planning a career in this area.

Professional recognition

The reproductive medicine postgraduate programs are not produced in collaboration with RANZCOG or RCOG. However the course content is recognised by both these bodies as being applicable to those wishing to register for CREI or some specialised training in reproductive medicine. The UNSW Master degrees are widely recognised throughout the world as a high quality credential of attainment at postgraduate level. Certification of completion of training for this program will assist trainees in the application for further professional training in the area.

Graduate Diploma in Reproductive Medicine

Program code 5508

Faculty
Medicine

Program Duration
9 months full-time or 1.5+ years part-time by distance

Estimated first year tuition
A$29,340

Entry
February and July

Entry requirements

An undergraduate degree in medicine, nursing, health or medical science and:

- an Honours, Graduate Certificate, Graduate Diploma or higher qualification in medicine, nursing or health or medical science; or
- commencement of a recognised postgraduate medical specialist training program (e.g. general practice, obstetrics & gynaecology); or
- 1 year full-time equivalent of postgraduate professional experience in medicine, nursing, health or medical science.

Program structure

The Graduate Diploma in Reproductive Medicine will be awarded after the satisfactory completion of 36 units of credit. You must complete Basic Reproductive Physiology and 30 UOC of electives or 36 UOC of electives.

Graduate Certificate in Reproductive Medicine

Program code 7379

Faculty
Medicine

Program Duration
6 months full-time or 1+ year part-time by distance

Estimated first year tuition
A$19,560

Entry
February and July

Entry requirements

An undergraduate degree in medicine, nursing, health or medical science and:

- an Honours, Graduate Certificate, Graduate Diploma or higher qualification in medicine, nursing or health or medical science; or
- commencement of a recognised postgraduate medical specialist training program (e.g. general practice, obstetrics & gynaecology); or
- 1 year full-time equivalent of postgraduate professional experience in medicine, nursing, health or medical science.

Program structure

The Graduate Certificate in Reproductive Medicine will be awarded after the satisfactory completion of 24 units of credit (4 elective courses).

Risk Management

Master of Risk Management

Program code 8428

Faculty
Business School

Program Duration
1.5 years

Estimated first year tuition
A$38,160

Entry
February and July

Entry requirements

A recognised Bachelor degree (or equivalent qualification) in business or finance with a credit average overall, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg

Program structure

This program consists of 12 courses: eight core courses and four elective courses.

Core Courses	UOC
Managing IS/IT Risk	6
People Organisation and Risk	6
Governing and Managing Risk	6
Fundamentals Risk and Risk Management	6
Risk Tools	6
Risk Decisions	6
Case Studies in Risk Management	6
Legal Risk Analysis	6

Electives Courses (sample list)	UOC
Select four courses from the following	
Business Risk Management	6
Business and Security	6
Models for Risk Management	6
Risk and Capital Management	6
Asset-Liability Management	6
Tax Risk Management	6
Technology Management and Innovation	6
Operational Risk Analysis and Management	6
Risk Management Strategies	6

Space

Master of Space Engineering

Program code 8622

Faculty
UNSW Canberra

Program Duration
1 year by distance (full-time equivalent)

Estimated first year tuition
A$30,720

Entry
February and July

The Master of Space Engineering is designed for postgraduate scholars with appropriate undergraduate qualifications in a relevant engineering discipline and/or extensive professional experience who wish to develop a high level understanding of the principles and practices of engineering related to space systems and to strengthen their skills in this area.

For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8622.html

Master of Space Operations

Program code 8624

Faculty
UNSW Canberra

Program Duration
1 year by distance (full-time equivalent)

Estimated first year tuition
A$30,720

Entry
February and July

The Master of Space Operations is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications in management or a related discipline and/or extensive relevant professional experience who wish to gain a more detailed understanding of the managerial and technical skills and expertise relevant to planning, operation and acquisition of space systems. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8624.html

Statistics

Master of Statistics

Program code 8750

Faculty
Science

Program Duration
1.5 years

Estimated first year tuition
A$35,280

Entry
February and July

Entry requirements

- A recognised three or four-year mathematics or statistics program within a science and/or mathematics Bachelor degree, or a degree in a related discipline.
- A sufficient mathematical/statistical background and at least a credit average grade (65%) or equivalent overseas qualifications in relevant third year higher mathematics/statistics university courses.

Program structure

A total of 72 units of credit (UOC) of courses must be completed including 24 UOC of compulsory courses and 48 UOC of elective courses.

Compulsory Courses (24 UOC)	UOC
Stochastic Processes	6
Statistical Inference	6
Project*	12

PLUS

Electives Courses (48 UOC)	UOC
Applied Regression Analysis	6
Computational Methods in Finance	6
Special Topics in Statistics	6
Measure, Integration and Probability	6
Statistical Methods in Epidemiology	6
Data Mining and its Business Applications	6
Time Series Analysis	6
Multivariate Analysis	6
Data Management for Statistical Analysis	6
Longitudinal Data Analysis	6
Non-parametric Statistics	6
Survival Analysis	6
Categorical Data Analysis	6
Discrete Time Financial Modelling	6
Introduction to Stochastic Analysis	6
Term Structure Modelling	6

Up to 18 UOC may be taken in postgraduate courses offered by other UNSW departments or schools, subject to the approval of the Head of School.

Note: MATH5816 has the prerequisite MATH5965.

Sustainable Built Environment

Master of Sustainable Built Environment
Program code 8132

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
1.5 years

Entry
February and July

Entry requirements
A minimum four year Bachelor degree or equivalent in an appropriate degree with credit average or above. Where an applicant's qualifications are not considered adequate, admission may be permitted to the Graduate Diploma with the possibility of upgrading to the Masters program, subject to satisfactory performance.

Program structure
A total of 72 units of credit (UOC) is required, consisting of core courses (24 UOC), a research project or design studio course plus elective courses.

Core Courses (24 UOC)	UOC
Sustainable Development and the Urban Environment	6
Resources, Materials and Sustainability	6
Energy and the Built Environment	6
Sustainability and Habitability	6

Option 1 – Design Studio	UOC
48 UOC from the following:	
Integrated Design Studio	12
OR students may substitute one of the following studio classes in arrangement with the Program Director	
Urban Design Studio	12
Elective Courses	36

OR

Option 2 – Research	UOC
48 UOC from the following:	
Research Seminar	6
Graduate Project	12
Elective Courses	30

Suggested Elective Courses (24 – 36 UOC)	UOC
Land and Environment Law	6
Transport, Land Use & Environment	6
Sustainable Infrastructure	6
Environmental Auditing	6
Managing the Sust Built Env	6
Case Stud in Urb Dev & Design	6
Reporting for Climate Change	6
Project Management	6
Solid Waste Management	6
Environmental Management	6
Sustainability & Risk Analysis	6
Business Management for a Sustainable Environment	6
Environmental Impact Assessment	6
Frameworks for Environmental Management	6
Tools for Environmental. Management	6
Property Development	6
Urban Landscape & Heritage	6

Note that a variety of other electives may be selected, subject to availability and any pre-requisites.

Most courses are offered in only one semester per year. Some courses may not be offered every year. Please check course availability with the Faculty Student Centre prior to enrolment.

Career opportunities
The program is structured to support a number of career options. It allows architects, planners, landscape architects and engineers to build a clearer focus on sustainability in their practice. It also allows for career shift options regardless of career background – for example, graduates can specialise in policy/governance, international development or education for sustainability. This is made possible through the choice of appropriate electives and the graduate project topic. The Program Director advises students on these selections to enable the desired career pathways.

Master of Sustainable Built Environment (Extension)
Program code 8134

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
2 years

Entry
February and July

Entry requirements
To apply, you will need a minimum four year Bachelor degree with a credit average, (WAM of 65) or a relevant degree in any related fields such as Built Environment disciplines (architecture, planning, urban design as well as areas such as environmental science and engineering) plus a minimum of three years post graduate industry experience, including work in a sustainability related professional role.

Program structure
The Master of Sustainable Built Environment (Extension) is a two year full-time Program which consists of:

- Four 6 UOC core courses totalling 24UOC;
- A 12 UOC studio or a 12UOC research project;
- A 12 UOC seminar-based advanced topics course;
- Two "core" electives chosen from the Master of Urban Policy and Strategy Program and/or the Australian School of Business; plus
- Sufficient additional "free" electives to make up a total of 96 unit of credit (UOC)

Graduate Diploma in Sustainable Built Environment
Program code 5132

Faculty
Built Environment

Estimated first year tuition
A$30,960

Program Duration
1 year

Entry
February and July

Entry requirements
A Bachelor degree or equivalent from a recognised tertiary institution in any relevant field and evidence of a capacity to achieve credit level or better grades consistently.

Program structure
The Graduate Diploma comprises the four core courses within the Master of the Built Environment – Sustainable Development and four electives totalling 48 UOC.

Sustainment Management

Master of Sustainment Management
Program code 8566

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The Master of Sustainment Management is designed for postgraduate scholars and professional managers with appropriate undergraduate qualifications and/or extensive relevant professional experience who wish to gain a more detailed understanding of the managerial and technical skills and expertise relevant to planning and acquisition of complex technology and systems. For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8566.html

Systems Engineering

Master of Systems Engineering
Program code 8567

Faculty
UNSW Canberra

Estimated first year tuition
A$30,720

Program Duration
1 year by distance (full-time equivalent)

Entry
February and July

The MSysEng is designed for postgraduate scholars with an undergraduate qualification and/or extensive professional experience who wish to develop a high level understanding of the principles and practices of systems engineering and to strengthen their skills in this area.

In addition to the stand alone MSysEng degree award, the following specialisations are also available in this program:

- Electronic Warfare
- Networking
- Space Systems
- Test and Evaluation
- Weapons and Ordnance
- Marine Engineering

For more information, visit handbook.unsw.edu.au/postgraduate/programs/2015/8567.html

Taxation

Master of Taxation
Program code 9250

Faculty
Business School

Estimated first year tuition
A$38,160

Program Duration
1 year

Entry
February and July

Study Mode Distance learning or on-campus
Studying the Master of Taxation by distance/online learning, in your home country does not require a student visa. Studying the Master of Taxation at UNSW Australia requires a student visa*.
*Note: Courses offered in the Master of Taxation are delivered in a variety of modes: distance/online, face-to-face and intensive mode.

The program also offers you the option to specialise in one of the following areas:

- **International Taxation:** develops an advanced international taxation knowledge base and advanced professional skills in the practical application of international tax;
- **Taxation:** Develops an advanced knowledge base and advanced professional skills in taxation;
- **Taxation and Financial Planning:** provides a multi-disciplinary (taxation, law and business) education in financial planning and personal wealth accumulation. The specialisation is suitable for graduates seeking a career in this area, whether in private professional practice, in commerce or in government service;
- **Revenue Administration:** suitable for graduates currently working in revenue authorities or related agencies (in particular in developing and transitional economies in the Pacific, Asia, Africa and Eastern Europe).

Entry requirements
A recognised Bachelor degree (or equivalent qualification) in taxation, law or commerce (including one taxation course) with a credit average, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au/pg.

Program structure
This program consists of eight courses (48 UOC). Tax Policy is compulsory for all specialisations, except Taxation and Financial Planning.

Core Courses	UOC
Tax Policy	6

Elective Courses (sample list)	UOC
Taxation of Corporations	6
Asia Pacific Tax Regimes	6
Tax Administration Process	6
Taxation of Corporate Finance	6
International Tax: Anti-Avoidance	6
Taxation of Superannuation	6
Taxation of Capital Gains	6
Consolidations and Group Structures	6
Taxation and Investment Regulations in China	6
Taxation Strategies in Financial Planning	6
International Tax: Design and Structure	6
Principles of Revenue Administration	6
Tax Risk Management	6
Self Managed Superannuation Funds Law	6
International Tax Research	6

Professional recognition
The Master of Taxation has been approved by CPA Australia for specialist taxation accreditation.

Teaching

Master of Teaching (Secondary)
Program code 8926

Faculty
Arts & Social Sciences

Estimated first year tuition
A$42,480

Program Duration
1.5 years

Entry
February

An accelerated pre-service secondary teacher education program which is recognised as an initial secondary teaching qualification in Australia and widely accepted as a teaching qualification internationally.

Specialisations
Double Method Courses

- English*
- History*
- Mathematics*
- Science (Biology, Chemistry, Earth and Environmental Studies or Physics)
- Music*
- Visual Arts*

continued on next page

Single method courses
- Aboriginal Studies**
- English as a Second Language (EAL/D)**
- Languages: French, German, Spanish, Chinese, Inonesian, Japanese, Korean
- Legal Studies**
- Drama (Theatre and Performance Studies)
- Geography
- Graphics and Multimedia Technology
- Business Studies
- Economics
- Dance
- Society and Culture

*Can also be completed as a single method course
**Available as a second teaching specialisation only

Entry requirements
Applicants require an appropriate undergraduate degree from a recognised institution with adequate background studies in relevant teaching discipline/s. The guidelines for entry are based on the Board of Studies, Teaching and Educational Standards NSW (BOSTES) subject content requirements.
*Eligible students must also meet the specific English language proficiency requirements:
overall 7.5, reading/writing 7.0, speaking/listening 8.0.

Students are encouraged to complete the online UNSW Master of Teaching (Secondary) Self-Assessment at education.arts.unsw.edu.au/students/study/postgraduate-coursework/gde-mteach-self-assessment/ to check their eligibility for the program.

Program structure
The program is 16 core and elective courses (96 UOC), including either one double method or two single method courses. Additionally, students will undertake 65 days of supervised and assessed teaching practice, including community engagement, and are supported in their first year of teaching to gain accreditation for the next stage of their professional competence.
The first year of study is normally undertaken over 3 semesters in one calendar year.

Year 1	UOC
Semester 1	
Learning: Psychological and Social Perspectives	6
Creating Engaging Learning Environments	6
Professional Experience	6
Method A1	6
Method B1	6
Semester 2	
The Professional Teacher: Ethics Policy and Practice	6
Addressing Learner Diversity	6
Language, Literacy and Numeracy	6
Method A2	6
Method B2	6
Summer Semester (November – December)	
Student Engagement	6
Professional Experience 2/Internship	6

Year 2	UOC
Semester 1	
Social and Political Contexts of Education	6
Issues in First Year	6
Complete 2 elective courses from the full range of Master of Education options. Refer to Master of Education (Educational Studies) for the full list.	12

Technology and Innovation Management

Master of Technology and Innovation Management
Program code 8009

Faculty
Business School

Program Duration
1.5 years

Estimated first year tuition
A$38,010

Entry
February and July

Entry requirements
A recognised Bachelor degree (or equivalent qualification) in science, engineering or technology with a credit average overall, as determined by UNSW Business School. Please consult the following website for further assessment criteria: business.unsw.edu.au.

Program structure
This program consists of 12 courses (72 UOC): four core courses, one capstone course, three elective courses from the UNSW Business School, and four elective courses either from UNSW Engineering and/or UNSW Science.

Core Courses	UOC
Technology, Management and Innovation	6
Competitive Advantage Through People	6
Strategic Management of Technology and Innovation	6
Financial Literacy for Business Decisions	6

Elective Courses	UOC
Of the seven elective courses, you study three from UNSW Business School and four either from UNSW Engineering and/or UNSW Science. See the UNSW Online Handbook for further information at handbook.unsw.edu.au/postgraduate/programs/current/8009.html	

Capstone Courses	UOC
Strategy, Marketing and Management	6

Translation and Interpreting

Master of Translation and Interpreting
Program code 8204

Faculty
Arts & Social Sciences

Program Duration
2 years

Estimated first year tuition
A$28,320

Entry
March and July

The Master of Translation and Interpreting is our flagship degree in interpreting and translation at UNSW. The structure of the degree has been refined to offer a professional studies specialisation and a research specialisation, so you can shape your postgraduate studies to your professional and personal aspirations.

Entry requirements
Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency.

Program structure
Languages include French, Indonesian*, Japanese, Korean, Mandarin, Russian and Spanish.
*Offered 2016 and 2018

Professional Studies specialisation
1. Professional Core Courses (84 UOC)
2. Elective Courses (12 UOC)

Research specialisation
1. Research Core Courses (42 UOC)
2. Prescribed Elective Courses (54 UOC)

Professional Core Courses	UOC
Translation and Interpretation Theories	6
Interpreting in Legal Settings	6
Interpreting in Business Community Settings	6
Translation in the Media	6
Translation in Specialised Areas	6
Conference Interpreting	6
Text Analysis for Translation OR Advanced Conference Interpreting	6
Technology for Translation	6
Preparation for Accreditation in Translation	6
Interpreting Practicum	6
Translation Practicum	6
Interpreting Accreditation Preparation	6
Cross-cultural Pragmatics	6
Research Methods in Applied Linguistics	6

Research Core Courses	UOC
Translation and Interpretation Theories	6
Interpreting in Legal Settings OR Interpreting in Business and Community Settings	6
Translation in the Media OR Translation in Specialised Areas	6
Text analysis for Translation OR Cross-cultural pragmatics	6
Research Project 1	6
Research Project 2	6
Research Methods in Applied Linguistics	6

Elective Courses	UOC
Complete between 12 to 54 UOC of elective courses depending on your specialisation selection:	
Interpreting in International Settings	6
Interpreting in Legal Settings	6
Interpreting in Business and Community Settings	6
Translation in the Media	6
Translation in Specialised Areas	6
Conference Interpreting	6
Text Analysis for Translation	6
Technology for Translation	6
Interpreting Accreditation Preparation	6
Advanced Bilingual Enhancement	6
Translation in C Language	6
Interpreting Practicum	6
Translation Practicum	6
Interpreting Accreditation Preparation	6
Discourse Analysis	6
Cross-cultural Pragmatics	6
Introduction to Linguistic Analysis	6

Career opportunities
Our graduates work in a variety of domestic and international areas including education and academia, tourism, business and economics, media and journalism, marketing, publishing, science and technology, health, law and international relations. They have the professional interpreting and translation skills necessary for employment in government and private sectors in conference, legal community and diplomatic settings.

Professional recognition
NAATI (National Accreditation Authority for Translators and Interpreters) accredited degree to the professional translator and interpreter level.

Master of Translation
Program code 8203

Faculty
Arts & Social Sciences

Program Duration
1 to 1.5 years

Estimated first year tuition
A$28,320

Entry
March and July

Entry requirements
Admission to the Master of Translation is based on relevant academic qualifications and professional experience. There are two streams of study:

1.5 Year Program (72 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience and an advanced level of bilingual proficiency OR
- Honours degree or Graduate Diploma (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency.

Students who are eligible for the 1 year stream are permitted to study the 1.5 year stream.

1 Year Program (48 UOC)
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience and an advanced level of bilingual proficiency OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency.

Relevant disciplines: Interpreting and Translation, Arts, Humanities, Social Sciences, Media, Communications, Journalism, Public Relations, Advertising, Marketing, Business, Economics, Commerce, Law, Linguistics, Languages, TESOL and Cognitive Science.

Relevant professional experience includes: Work in a language-related area including translating and/or interpreting, teaching English as a second or foreign language or a language other than English, and other appropriate language professions.

Program structure
Languages include French, Indonesian*, Japanese, Korean, Mandarin, Russian and Spanish.
*Offered 2016 and 2018

1.5 Year Program (72 UOC):
1. Core Courses (48 UOC)
2. Elective Courses (24 UOC)

1 Year Program (48 UOC):
1. Core Courses (42 UOC)
2. Elective Course (6 UOC)

Core Courses	UOC
Translation and Interpreting Theories	6
Translation in the Media	6
Translation in Specialised Areas	6
Text Analysis for Translation	6
Technology for Translation	6
Preparation for Accreditation in Translation	6
Translation Practicum	6
Discourse analysis (1.5 Year stream only)	6

Elective Courses	UOC
Complete between 6 to 24 UOC of elective courses depending on your program duration. Electives include:	
Translation in the Media OR Translation in Specialised Areas	6
Advanced Bilingual Enhancement	6
Translation in C Language	6
Cross Cultural Pragmatics	6
Introduction to Linguistic Analysis	6
Research Methods in Applied Linguistics	6
International Organisations and Global Politics	6
Developing Countries and the International System	6

Professional recognition
NAATI (National Accreditation Authority for Translators and Interpreters) accredited degree to the professional translator level.

Master of Interpreting
Program code 8202

Faculty
Arts & Social Sciences

Program Duration
1.5 years

Estimated first year tuition
A$28,320

Entry
March and July

Entry requirements
- Bachelor degree (or equivalent qualification) in a relevant discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency OR
- Bachelor degree (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%), plus one year relevant professional experience and an advanced level of bilingual proficiency OR
- Honours degree or Graduate Diploma (or equivalent qualification) in any discipline with a record of academic achievement equivalent to a UNSW credit average (65%) and an advanced level of bilingual proficiency.

Program structure
Languages include French, Indonesian*, Japanese, Korean, Mandarin, Russian and Spanish.
*Offered 2016 and 2018

1.5 Year Program (72 UOC):
1. Core Courses (48 UOC)
2. Elective Courses (24 UOC)

Core Courses	UOC
Translation and Interpreting Theories	6
Interpreting in Legal Settings	6
Interpreting in Business and Community Settings	6
Conference Interpreting	6
Interpreting Practicum	6
Interpreting Accreditation Preparation	6
Advanced Conference Interpreting	6
Interpreting in International Settings	6
Cross-cultural Pragmatics	6

Elective Courses	UOC
Complete 3 elective courses from the following list:	
Translation in the Media OR Translation in Specialised Areas	6
Text Analysis for Translation	6

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Advanced Bilingual Enhancement	6
Discourse Analysis	6
Introduction to Linguistic Analysis	6
Research Methods in Applied Linguistics	6

International Organisations and Global Politics	6
Developing Countries and the International System	6

Professional recognition
NAATI (National Accreditation Authority for Translators and Interpreters) accredited degree to the professional interpreter level.

Urban Development and Design

Master of Urban Development and Design
Program code 8131

Faculty
Built Environment

Estimated first year tuition
A$30,960 (plus A$5,000 for field trip)

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised four year degree in a relevant discipline such as architecture, landscape architecture, interior architecture, planning, construction, property development and civil engineering. Admission is also open to graduates of a recognised three year undergraduate degree in Architectural Studies. All applicants must have achieved a minimum of a credit average in their bachelor's degree.

Program structure
The program consists of eight core courses (66 UOC) and one elective course (6 UOC) totalling 72 units of credit (UOC).

Core Courses (66 UOC)	UOC
Urban Design Studio 1	12
Urban Design Studio 2	12
Urban Design Studio 3	12
History and Theory of Urban Development and Design	6
Case Studies in Urban Development and Design	6
Planning and Urban Development	6
Urban Landscape and Heritage	6
Communication in Urban Design	6

PLUS

Elective Courses (6 UOC)	UOC
Select one course from the following:	
Architecture and the City	6
Transport, Land Use & Environment	6
Urban Renewal	6
Property investment & Finance	6
Urban Economics	6
Sustainable Development & Urban Environment	6
Sustainability & Habitability	6

Most courses are offered in only one semester per year. Some courses may not be offered every year. Please check course availability with the Faculty Student Centre prior to enrolment.

Professional recognition
Graduates are eligible for membership to the Urban Design Chapter of the Planning Institute of Australia (PIA).

Career opportunities
Most graduates start their careers working for urban and architectural design consultants. Some have their own professional practices in urban design and allied design areas. Others pursue careers in academia or continue with doctoral studies at major international universities.

Master of Urban Development and Design (Extension)
Program code 8141

Faculty
Built Environment

Estimated first year tuition
A$30,960 (plus A$5,000 for field trip)

Program Duration
2 years

Entry
February and July

Entry requirements
You will need to have graduated from a recognised four year bachelor degree or equivalent in appropriate cognate discipline, with a credit average (65 %).

Admission is also open to graduates of a recognised three year undergraduate degree in Architectural studies. All applicants must have achieved a minimum credit average (65 %) across their undergraduate degree.

Program structure
To qualify for the Master of Urban Development degree, students are required to complete ten core courses and two elective course to accumulate a total of 96 UOC.

The program offers advanced study in the growth and change of urban form. An intense combination of coursework and design research is explored in studios, theory seminars, case studies and field projects.

This degree is for students interested in acquiring a deeper knowledge in urban design by developing rigorous research and design skills. This degree will equip you for advanced practice of urban development and design. This course will also prepare you if you would like to undertake a higher research degree.

Urban Policy and Strategy

Master of Urban Policy and Strategy
Program code 8313

Faculty
Built Environment

Estimated first year tuition
A$30,960 (plus A$5,000 for field trip)

Program Duration
1.5 years

Entry
February and July

Entry requirements
A recognised undergraduate degree in a relevant field (with at least a credit average, WAM of 65) plus at least three years of post graduate, industry experience, including work in an urban, regional or related professional role is required. A relevant degree would encompass studies in a built environment discipline or studies in social science, social policy, business and law. Applicants should submit a CV including a short personal statement (250-300 words) outlining their interest in applying for the program. Applicants will be required to undertake an interview process as part of their application for entry into the program.

Program structure
A total of 72 units of credit (UOC) is required, consisting of core courses (60 UOC) and elective courses (12 UOC). The program is a three-semester program delivered in one calendar year (Semester 1, Semester 2 and Summer Term). The program will be able to be taken full-time or part-time. Courses in the program will be delivered in intensive teaching blocks in order to enable those still working to participate.

Core Courses (60 UOC)	UOC
Drivers of Urban Change	6
Strategic Urban Policy	6
Decision Making and Governance	6
Development Economics	6
Impact Assessment	6
Digital Cities	6
Evidence-Based Policy	6
Urban Leadership	6
International Policy Studio	12

Elective Courses (12 UOC)	UOC

Students can choose from a nominated list of BE postgraduate electives. Currently this list includes electives offered in Housing, Infrastructure Planning and Procurement and Community Engagement. Urban design may be studied through selected course offerings in the Master of Urban Development and Design program.

Career opportunities
Graduates will have a comprehensive understanding of the theory and practice behind the development of urban policy and strategy including the key issues driving the management of cities. They will have an awareness of the governance, politics and ethics of managing urban policy and have advanced skills in preparing and managing strategic planning processes, preparing them for senior leadership positions within governments, major corporations or specialist strategic planning consultancies.

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Graduate Diploma in Urban Policy and Strategy
Program code 5313

Faculty
Built Environment

Estimated first year tuition
A$29,760

Program Duration
1 years

Entry
February and July

Entry requirements
A recognised undergraduate degree in a relevant field (with at least a credit average) plus at least three years of post graduate, industry experience, including work in an urban, regional or related professional role is required. A relevant degree would encompass studies in a built environment discipline or studies in social science, social policy, business and law. Applicants should submit a CV including a short personal statement (250-300 words) outlining their interest in applying for the program. Applicants will be required to undertake an interview process as part of their application for entry into the program.

Program structure
The Graduate Diploma comprises six core courses within the Master of Urban Policy and Strategy totalling 36 UOC and 12 UOC electives.

Women's Health

Master of Women's Health Medicine
Program code 9014

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1 year full-time or 2+ years part-time by distance

Entry
February and July

Entry requirements
An undergraduate degree in medicine, nursing, health or medical science and:
- an Honours, Graduate Certificate, Graduate Diploma or higher qualification in medicine, nursing or health or medical science; OR
- commencement of a recognised postgraduate medical specialist training program (e.g. general practice, obstetrics & gynaecology); OR
- 1 year full-time equivalent of postgraduate professional experience in medicine, nursing, health or medical science.

Program structure
The M WomHMed is designed to be completed part-time over two years. However, significant flexibility is allowed in completing the program to suit your time commitments. You must complete two core courses as a foundation for further study, which are Reproductive, Perinatal Epidemiology and Biostatistics and Applied Reproductive Anatomy and Physiology. You must also complete six elective courses to meet the requirements of the program.
A pathway to a higher research degree (PhD or Masters) will be offered as an option if you are interested in undertaking a research degree. A 6 UOC research project elective is planned which will be offered to you provided you have achieved a credit or higher in Reproductive and Perinatal Epidemiology and Biostatistics. In this instance, you would also be encouraged to undertake the course Applied Research Methods. The Medicine Higher Degree Committee has approved guidelines that state that completion of 12 UOC of research (including a 6 UOC research project and 6 UOC of specified research related coursework) will be considered as evidence of research ability when considering PhD applications.

Professional recognition
Successful completion of a recognised postgraduate study program will generally be considered as evidence of a candidate's commitment to ongoing education and development, as required by most professional organisations and bodies both in Australia and internationally.

Career opportunities
This program provides you with an opportunity to develop and expand your knowledge in the field of woman's health medicine, whether you are presently working in this field or are intending to do so. This depth of knowledge may be particularly useful to you if you are working in areas such as clinical education, policy and procedure development and if you are committed to a high standard of contemporary clinical practice. Successful completion of this postgraduate study program may also provide you with a competitive advantage if you are seeking employment in this field.

Graduate Certificate in Women's Health Medicine
Program code 7014

Faculty
Medicine

Estimated first year tuition
A$19,560

Program Duration
6 month full-time or 1 year part-time by distance

Entry
February and July

Entry requirements
An undergraduate degree in medicine, nursing, health or medical science and:
- an Honours, Graduate Certificate, Graduate Diploma or higher qualification in medicine, nursing or health or medical science; OR
- commencement of a recognised postgraduate medical specialist training program (e.g. general practice, obstetrics & gynaecology); OR
- 1 year full-time equivalent of postgraduate professional experience in medicine, nursing, health or medical science.

Program structure
The Graduate Certificate in Reproductive Medicine will be awarded after the satisfactory completion of 24 units of credit (4 elective courses).

Dual Award Degree

Master of Arts and Social Sciences (Combined)

Program code 8224

Faculty
Arts & Social Sciences

Estimated first year tuition
A$28,320

Program Duration
2 years

Entry
March and July

Apply to the Master of Arts & Social Sciences with one application and one CRICOS code. (CRICOS code: 065349M UNSW code: 8224)

Entry requirements
Students need to meet the requirements specific to the individual one-year stream (48 UOC) of the postgraduate chosen. Check specific requirements of individual programs at: handbook.unsw.edu.au/postgraduate/programs/current/8224.html

Programs you can combine:
- Master of Applied Linguistics
- Master of Development Studies (International Development specialisation or Refugees and Displacement specialisation)
- Master of Education (Streams can be combined)
- Master of Educational Leadership
- Master of International Relations
- Master of Journalism and Communication
- Master of Public Policy and Governance
- Master of Public Relations and Advertising
- Master of Translation

Program structure
Choose two degrees from a wide range of professional programs to suit your career path. Example:

[Master of Development Studies 48 UOC (1st year)] + [Master of International Relations 48 UOC (2nd year)]

After two years, you will graduate with two postgraduate qualifications. For example: Master of Development Studies plus Master of International Relations (96 UOC).

Career opportunities
Through interdisciplinary training and by gaining a wide portfolio of skills, graduates of this combined degree are greatly valued by employers. The analytical, flexible and multi-skilled nature of graduates means they can be found working across the globe in rewarding, challenging and often high-profile roles. See individual degrees for further information.

Master of International Public Health / Health Management*

Program code 9044

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1.5 years full-time or 3 years part-time by distance learning

Entry
February, July
(February commencement recommended)

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; or
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; or
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
A total of 72 units of credit (UOC) is required, consisting of 48 UOC of core courses and 24 UOC of electives.

Core Courses (48 UOC)	UOC
Health Promotion and Social Perspectives of Health	6
Foundations in Public Health and Health Care Systems	6
Strategy, Policy and Change	6
Healthcare Economics and Financial Management	6
Epidemiology and Statistics for Public Health	6
International Health	6
Health Leadership and Workforce Management	6
Clinical Governance and Risk Management	6

Electives (18 UOC)	UOC
Designated international public health electives (from the Master of International Public Health)	18
PLUS Project in an international health-related area OR Elective	6

Master of International Public Health / Public Health*

Program code 9043

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1.5 years full-time or 3 years part-time by distance learning

Entry
February, July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; or
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; or
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
A total of 72 units of credit (UOC) is required, consisting of 24 UOC of core courses and 48 UOC of electives.

Core Courses (24 UOC)	UOC
Health Promotion and Social Perspectives of Health	6
Foundations in Public Health and Health Care Systems	6
Epidemiology and Statistics for Public Health	6
International Health	6

Electives (48 UOC)	UOC
Designated International Public Health Electives (from Master of International Public Health)	18
Electives	24
PLUS Project in International Health related area OR Elective	6

*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

Dual PhD / Master of Psychology (Clinical)

Program code 1404

Faculty
Science

Estimated first year tuition
A$34,560

Program Duration
4 years

Entry
February

Entry requirements
An accredited four-year Bachelor degree with upper First Class Honours or equivalent in psychology from a university recognised by the APAC or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.
*Eligible students must also meet the specific English language proficiency requirements: overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
Please see Master of Psychology (Clinical) 8256 (page 86)

Dual PhD / Master of Psychology (Forensic)

Program code 1405

Faculty
Science

Estimated first year tuition
A$34,560

Program Duration
4 years

Entry
February

Entry requirements
An accredited four-year Bachelor degree with upper First Class Honours or equivalent in psychology from a university recognised by the APAC, or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.
*Eligible students must also meet the specific English language proficiency requirements: overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
Please see Master of Psychology (Forensic) 8257 (page 86)

Dual PhD / Master of Psychology (Organisational)

Program code 1406

Faculty
Science

Estimated first year tuition
A$34,560

Program Duration
4 years

Entry
February

Entry requirements
An accredited four-year Bachelor degree with upper First Class Honours or equivalent in psychology from a university recognised by the APAC, or an equivalent overseas qualification as assessed by the Australian Psychological Society. The degree must include a research thesis as a major component.
*Eligible students must also meet the specific English language proficiency requirements: overall 7.0, reading/writing 7.0, speaking/listening 7.0.

Program structure
Please see Master of Psychology (Organisational) 8258 (page 86)

Master of Public Health / Health Management*

Program code 9047

Faculty
Medicine

Estimated first year tuition
A$34,560

Program Duration
1.5 years full-time or 3 years part-time by distance learning

Entry
February and July

Entry requirements
An undergraduate degree in a health-related or public health-related discipline and:
- Honours or postgraduate qualification in a health-related or public health-related discipline; OR
- Substantial professional experience acquired as part of a health-related degree of 4 or more years duration; OR
- Two years full-time professional experience in a health-related or public health-related discipline, including as a volunteer in a health and public health organisation.

Program structure
A total of 72 units of credit (UOC) is required, consisting of 42 UOC of core courses and 30 UOC of electives.

Core Courses (42 UOC)	UOC
Health Promotion and Social Perspectives of Health	6
Foundations in Public Health and Health Care Systems	6
Strategy, Policy and Change	6
Healthcare Economics and Financial Management	6
Epidemiology and Statistics for Public Health	6
Health Leadership and Workforce Management	6
Clinical Governance and Risk Management	6

Electives (30 UOC)	UOC

Electives may be chosen from core courses offered in the health management, public health or international public health programs. You may also enrol in graduate courses offered by other academic units within the University, as well as approved courses offered by other universities. Approval of the Program Director is required to undertake an elective offered outside the School.

*** For all Postgraduate courework in Medicine (School of Public Health and Community Medicine), a separate form needs to be completed upon application. This form is a supporting document required in addition to submitting your UNSW postgraduate coursework application. Please download the form here: international.unsw.edu.au/media/uploads/file/2015/06/05/SPHCM_PGCoursework_Application_Cover_Intl-May2015.pdf**

How to apply – postgraduate coursework

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

Assess your entry requirements
You can find the entry criteria for your chosen program in this guide, beginning on page 47. To calculate your eligibility, you can use the UNSW Postgraduate Coursework Entry Score Calculator here: admissions.unsw.edu.au/PGCalculators. The score generated by this calculator is provided as a guide only and does not guarantee an offer to study at UNSW.

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.
- Details of work experience, if applicable. Some programs may require additional documentation.

4

Track your application
Once you have submitted your application you will be able to track the status of your application 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

UNSW coursework program scholarships
Some of our scholarships for international postgraduate coursework programs include:

Juris Doctor International Scholarship
This scholarship assists high achieving international students to undertake the Juris Doctor program at UNSW Law. The scholarship is valued at A$10,000 for one year.

UNSW Art & Design International Scholarship
This scholarship assists international coursework students wishing to undertake study at UNSW Art & Design. The scholarship covers full tuition for the minimum duration of the student's program.

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.

UNSW Australia has many scholarships open to international students, new opportunities come up all the time and recommend that you stay in touch with our website to see what is coming up.

For more information about UNSW Scholarships visit:
scholarships.unsw.edu.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.

Frequently asked questions

Who can apply as an international student?
You can apply as an international student if you are **not** an Australian citizen (including dual citizens), or a New Zealand citizen (including dual citizens) or a permanent resident of Australia.

What if my residency status changes?
If you gain Australian or New Zealand citizenship, or Australian permanent residency after applying but before you commence your studies, you must inform the Admissions Office immediately. This could impact your eligibility and require you to apply as a domestic student. For further details, visit student.unsw.edu.au/change-residency-status

Am I a sponsored student?
You are a sponsored student if your tuition and other associated fees are paid by a UNSW approved sponsor. Sponsored students do not need to pay the normal acceptance deposit provided they supply evidence of that arrangement and complete the International Sponsored Student Agreement form. This information should be supplied at the time of application.

Further information can be viewed at:
international.unsw.edu.au/courses-applying/sponsored/

How do I apply for a student visa?
To apply for a student visa, visit Australia's Department of Immigration and Border Protection website: www.immi.gov.au. We recommend that you plan ahead and allow plenty of time to submit the documentation required. For more information, please visit the following websites:

Study In Australia
www.studyinaustralia.gov.au/
UNSW International
international.unsw.edu.au/

Do I need to study full-time on a student visa?
If you are in Australia on a student visa, you will need to study full-time to satisfy your visa. We define normal full-time enrolment as 18-24 units of credit (UOC) per semester for degrees at UNSW.

For more information about your visa obligations please go to the Department of Immigration and Border Protection website: www.immi.gov.au

Research degree programs
Index

Art and Design
Research areas

UNSW Art & Design is at the forefront of contemporary and experimental design, art and media.

Our internationally recognised research strengths include: contemporary art and design practice, media arts, immersive interactivity, art and ecology, creative robotics, art and society, curating and cultural leadership.

artdesign.unsw.edu.au/future-students/postgraduate-research-degrees

PhD and Masters by research:
Katherine Moline
k.moline@unsw.edu.au

Resarch areas

- Drawing (including life drawing, anatomy, composition and design, field studies)
- Painting (including life painting, anatomy, composition and design, colour, digital outputting, field studies)
- Printmaking (including etching, lithography, relief painting, screen printing, custom printing)
- Sculpture/Performance/Installation (including bronze casting, figurative sculpture, electronic sculpture, installation, body works, earthworks, performance)
- Visual education
- Qualitative research and ethnography
- The political nature of curriculum reform in national and state contexts
- Exhibition access and interaction in the public domain
- Practices of creativity in art and design education context
- Community-based practitioner research
- Cognitive realism and conditions for authentic artistic practice in educational settings
- Online communities/ transformative education
- Critical influences on ideas and artistic practices and visual art research
- Aesthetics
- Art, subjectivity and the body: trauma and memory
- Australian art history and visual culture: post-colonialism
- Contemporary art and politics; contemporary art of the Asia Pacific region; art and anthropology
- Critical and cultural theory
- Curatorship, museology and the arts infrastructure; Modern and contemporary art
- New media arts and theory
- Digital media (including digital video, digital imaging, digital sound, interactive media, 2D and 3D animation)
- Photomedia (including analogue photography, digital imaging and integrated print, and installation media)
- Sound media, video art, interactive media, performance and animation
- Objects, furniture and lighting design
- Ceramics design including designing for the table, industry, interiors, installation and experimental art and design
- Design management and practice
- Design history, theory and aesthetics
- Design within the Asia Pacific region, designing for artisan production, and sustainable design in developing economies
- Design and computing including interactive design, web design and screen interface, digital and pre- press design
- Design and society including ageing populations; design interventions for specific communities; design and national experience; and production and consumption design
- Environment/spatial design including interiors, exhibition, theatre, urban and landscapes
- Ethical, socially aware and sustainable design
- Graphics/media including visual identity design; book, magazine and electronic media; illustration; experimental typography and letterpress printing
- Interdisciplinary and multidisciplinary design
- Jewellery including design for the body, costume and fashion; designs for the table, interior, industry, installation and experimental object design
- Textiles including design for the body, costume design, accessories and fashion, objects, interiors and designing for the commercial textile industry, installation and experimental textile and art design

Research institute

- National Institute for Experimental Arts – NIEA: niea.unsw.edu.au

Research centres and laboratories

- iCinema Centre for Interactive Cinema Research: icinema.unsw.edu.au
- Contemporary Culture, Art & Politics – CCAP niea.unsw.edu.au/research/organisations/contemporary-culture-art-politics-ccap
- Laboratory for Innovation in Galleries, Libraries, Archives and Museums (iGLAM) niea.unsw.edu.au/research/organisations/laboratory-innovation-galleries-libraries-archives-and-museums-iglam
- National Creative Robotics Laboratory - niea.unsw.edu.au/research/organisations/creative-robotics-lab-crl
- 3D Visualisation Aesthetics Laboratory - niea.unsw.edu.au/research/organisations/3d-visualisation-aesthetics-lab

Research groups

- Imaging the Land International Research Initiative – ILIRI: artdesign.unsw.edu.au/research/ collaborations-research-groups/iliri
- The Environmental Research Initiative for Art – ERIA: http://eria.com.au
- Cicada Press: artdesign.unsw.edu.au/research/collaborations-research-groups/cicada-press
- Porosity: niea.unsw.edu.au/research/organisations/porosity-studio
- Research into Experimental Design: Objects – RED Objects: redobjects.unsw.edu.au
- in.site (Contemporary Curatorial and Education Research): insite.unsw.edu.au
- The Drawing Research Group: artdesign.unsw.edu.au/research/collaborations-research- groups/drawing-research-group

Research programs

Master degrees by research	Faculty	Estimated first year tuition
Art Theory (2265) Curating and Cultural Leadership (2264) Design (Honours) (2266) Fine Arts (2245)	Art & Design	A$28,3207
	Program Duration 2 years	**Entry** February and July

Entry requirements

Recognised four-year Bachelor degree with honours that includes a substantial research component, or the equivalent. (pg 77)

Master of Philosophy	Faculty	Estimated first year tuition
Program code 2267	Art & Design	A$28,320
	Program Duration 1.5 years	**Entry** February and July

Entry requirements

Bachelor degree in the relevant area from UNSW, at a level specified by the Faculty, or a qualification considered equivalent from a recognised university or tertiary institution.

Doctor of Philosophy	Faculty	Estimated first year tuition
Art, Design, Media (1292) Visual Anthropology/Visual Culture (1283)	Art & Design	A$28,320
	Program Duration 3 to 4 years	**Entry** February and July

Entry requirements

Recognised Master degree (with a substantial research component), or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours. (pg 77)

Arts and Social Sciences
Research areas

UNSW Arts & Social Sciences is recognised as a national and international leader in research. We generate outcomes with real social impact and genuine community engagement.

Our overarching research strengths are:

- Social Policy, Education and Health
- Contemporary Humanities and Creative Arts
- Development, Rights and Security
- Supervision is offered in our School and Centres in a broad range of research and discipline areas.

The Arts and Media

sam.arts.unsw.edu.au

Research areas

- Creative writing
- English and literary studies
- Film studies
- Media and communication studies and practice
- Music studies and music composition
- Theatre and performance studies and practice

Centre for Modernism Studies in Australia

cmsa.arts.unsw.edu.au

Research areas

- Literary modernism
- Visual modernism
- Philosophical modernism
- Architectural modernism
- Theatrical modernism
- Musical modernism

Education

education.arts.unsw.edu.au

Research areas

- Assessment and evaluation
- Educational Policy and Leadership
- Educational psychology
- Gifted education
- Higher education
- Language and literacy education
- Maths and science education
- Special education
- Teacher development and professional learning
- Visual and Performing Arts Education

Humanities and Languages

hal.arts.unsw.edu.au

Research areas

- Asian studies
- Australian studies
- Environmental humanities
- European studies
- Global cultural, literacy and film studies
- History
- Interpreting and translation
- Languages and culture
- Linguistics
- Philosophy
- Women's and gender studies

Social Sciences

socialsciences.arts.unsw.edu.au

Research areas

- Criminology
- Development studies
- International relations
- Political science
- Social research and policy
- Social work
- Sociology and anthropology

Centre for Social Research in Health

csrh.arts.unsw.edu.au

Research areas

- HIV and sexual health risk and risk reduction
- Sexuality, health and education
- Viral hepatitis, Injecting drug use and harm reduction
- Living with and treatment of serious and chronic conditions
- Health promotion development and evaluation

Social Policy Research Centre

sprc.unsw.edu.au

Research areas

- Care
- Disability and mental health
- Households, families and communities
- Indigenous policy and participation
- Inequality, poverty and social ex/inclusion
- Social outcomes of Environmental Change
- Social policy administration and organisation

Centre for Refugee Research

crr.unsw.edu.au

Research areas

- International refugee flows
- Internally displaced people
- Forced migration and resettlement issues
- Refugee Advocacy
- Vulnerable refugees, in particular women and girls at risk

Research programs

Master of Arts by Research*	Faculty	Estimated first year tuition
Program code 2353	Arts & Social Sciences	A$27,120
	Program Duration 1.5 to 2 years	**Entry** February and July

Entry requirements

- An appropriate four year Bachelor's degree with Honours from an Australian University that includes a substantial research component OR
- A qualification or combination of qualifications considered to be equivalent by the appropriate Faculty or Arts & Social Sciences Higher Degree Committee.

See full admissions details at handbook.unsw.edu.au

Master of Education by Research*
Program code 2354

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Educational Leadership by Research*
Program code 2355

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Higher Education by Research*
Program code 2359

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Music by Research*
Program code 2356

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Music Education by Research*
Program code 2357

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Social Sciences by Research*
Program code 2358

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

Master of Social Work by Research*
Program code 2970

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Entry Requirements are as per Master of Arts by Research*(2353).

*These programs are under review for 2016. Please refer to arts.unsw.edu.au and the UNSW handbook from July onwards for 2016 program structure.

Doctorate of Philosophy in Creative Practice
(includes music, creative writing, practice-based research)
Program code 1273

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 o 4 years

Entry
February and July

Entry requirements
- A four-year Bachelor's degree with first or upper second class honours from an Australian University, OR
- A completed Masters by Research degree, OR
- Equivalent academic qualification(s) approved by the appropriate Faculty of Arts & Social Sciences Higher Degree Committee.

Doctor of Philosophy in Education
Program code 1970

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 to 4 years

Entry
February and July

Entry requirements
Entry Requirements are as per Doctor of Philosophy in Creative Practice (1273).

Doctor of Philosophy in Humanities
(includes history, philosophy, international languages and literature, linguistics, interpreting and translation, English literature, film, media, performing arts)
Program code 1271

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 to 4 years

Entry
February and July

Entry requirements
Entry Requirements are as per Doctor of Philosophy in Creative Practice (1273).

Doctor of Philosophy in Social Sciences
(includes sociology and anthropology, criminology, politics, international relations, policy studies, development studies, social policy, social aspects of health and health care)
Program code 1272

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 to 4 years

Entry
February and July

Entry requirements
Entry Requirements are as per Doctor of Philosophy in Creative Practice (1273).

Doctorate in Public Policy Governance
Program code 1746

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 years

Entry
February and July

Entry requirements

Standard entry pathway:
- A minimum 2 years post-qualifying professional policy practice experience within either the government, nongovernment or private sectors; AND
- A first class (Distinction) Honours degree within a cognate discipline that includes a substantial research component that demonstrates capacity for higher degree research.

Advanced Standing Entry Pathway:
- A minimum 2 years post-qualifying professional policy practice experience within either the government, nongovernment or private sectors; AND
- A demonstrated capacity for independent research under the guidance of a supervisor; AND
- A Masters (Coursework) degree with a distinction average and a significant research component, minimum equivalent 18 units of credit consisting of methodology training and a stand-alone research project.

Doctorate in Social Work
Program code 1744

Faculty
Arts & Social Sciences

Estimated first year tuition
A$27,120

Program Duration
3 years

Entry
February and July

Entry requirements
- A social work qualification established by eligibility for membership of the Australian Association of Social Workers, or membership of an equivalent overseas professional social work association AND
- A minimum 2 years post-qualifying professional social work practice experience AND
- A first or upper-second class (Distinction) thesis research Honours degree (minimum thesis word length: 10,000 words) OR a Master (Coursework) degree with a distinction average and a significant research component, minimum equivalent 18 UOC content, consisting of methodology training and a stand-alone research project.

Built Environment
Research areas

UNSW Built Environment offers a number of higher research degrees. The Master of Philosophy (MPhil) is a research degree that includes a coursework component designed to help you develop research expertise in a particular area of study. The Masters by Research is a research degree that requires the completion of a substantial research project, but more limited in scope and nature to that required for a PhD. The Doctor of Philosophy (PhD) is a research degree providing opportunities for students to make an original and significant high-level contribution to knowledge in an area of built environment research.

Judith O'Callaghan
Director of Postgraduate Research
JudithO@fbe.unsw.edu.au

Design – Architecture, Interior Architecture and Industrial Design

- Design as social, educative and ecological knowledge
- Design as a speculative, creative and artistic practice
- Computer-based perspectives that inform design processes and outcomes
- Product design processes including marketing, production and usability

Environment and Sustainability – Sustainable Development, Landscape Architecture and Architecture

- Creation of sustainable urban environments in social, ecological and economic terms
- Environmental performance of buildings, precincts and urban environments
- Education, governance and public policy
- Sustainable product development and
- environmental management

History and Theory – Architecture, Landscape Architecture, Interior Architecture, and Planning

Research areas

- History and theory of the built environment
- Heritage and conservation

Property Development and Construction – Building and Construction Management, Real Estate, Sustainable Development, Property and Development

- Facilities, design, conflict, resource, tender, and safety management
- Organisational behaviour, human resources and culture
- Property development, management and tendering practices
- Applications of information technology in management practice

Urban Studies – Urban Planning, Urban Design, Urban Policy, Sustainable Development

- Political, environmental, social and economic influences on planning and development
- Urban housing markets and dynamics
- Urban planning, design and infrastructure issues in contemporary cities and urban areas
- Environmentally sustainable development, design and community planning

Research clusters

The Faculty's research clusters are cross-disciplinary coalitions of staff and postgraduate research students organised around identifiable and emerging research strengths. Through engagement on common projects, publications and workshops, they capitalise on the synergies of individual research interests.

Robert Freestone,
Associate Dean Research
r.freestone@unsw.edu.au

Urban Typologies

The urban typologies group undertakes cross-disciplinary research in cultural landscapes, urban morphology, architectural history, heritage and urban design.

It focuses on metropolitan Sydney and the major typologies that have shaped its urban and suburban environment, drawing on cultural and critical architectural theory.

People and Place

The People and Place group is concerned with understanding the relationship between people and their environments with members bringing complementary expertise in the fields of urban sociology, environmental psychology, environment-behaviour studies, urban and landscape design, and social planning.

Design Research

The Design Research group's focus is research through design for the 21st century city.

Research objectives are driven by an interdisciplinary commitment to practice-based production of knowledge. The major concern is with collaborative design-based research and forging sustainable creative partnerships between with industry and practice.

Emergent Digital Technologies

The Emergent Digital Technologies group has a focus on the development and application of digital technologies to examine, support, simulate and teach the planning, design, construction, management and utilisation of the built environment.

Research centres

City Futures Research Centre

Professor Bill Randolph
b.randolph@unsw.edu.au

The City Futures Research Centre has established itself as a significant centre for scholarly urban and housing research in Australia. With a range of research-intensive staff, postgraduate students, and associated researchers within and outside the Faculty, it represents the principal research concentration at UNSW Built Environment. Its work provided a foundation for the UNSW's 5 star rated research performance in urban and regional planning under the ARC's 2012 Excellence in Research Australia assessment exercise - the only such rating to be awarded to any Australian university.

The main focus of City Futures is to understand the interrelated areas of urban planning, housing, design, development and policy. Its research interests encompass the social, economic and environmental aspects of contemporary city dynamics. City Futures has a range of active research partnerships with other universities in Australia, Asia and Europe. The applied focus of the Centre's research involves close partnerships with local, state and federal government agencies as well as industry stakeholders and community groups.

The Centre's research is currently organised into a series of program areas:

- Housing policy and practice (incorporating the UNSW Australian Housing and Urban Research Institute Research Centre)
- Urban planning and policy
- Healthy built environments
- Enabling built environments program (incorporating the Home Modifications Information Network)
- Sustainable urbanism
- Spatial modelling and urban information technologies (incorporating the Australian Urban Research Infrastructure Network Sydney Demonstrator Hub)

The Centre's research can be viewed at: www.cityfutures.net.au

Cooperative Research Centre for Low Carbon Living

Professor Deo Prasad
d.prasad@unsw.edu.au

UNSW Built Environment has a close affiliation with the CRC for Low Carbon Living. The CRC was officially launched in late 2012 and is headed by Built Environment Scientia Professor Deo Prasad. It brings together key property, planning, engineering and policy organisations with leading Australian researchers to develop new social, technological and policy tools for reducing greenhouse gas emissions in the built environment. There are three major research programs targeting key issues in transitioning to low carbon built environments:

- Integrated Building Systems
- Low Carbon Precincts
- Engaged Communities

The Centre is headquartered in the Tyree Energy Technologies Building, a landmark 6-Star energy efficient building while research students working on projects with Built Environment staff are housed in the Red Centre.

Research programs

Master degrees by research

Architecture (2200)
Building (2210) Built Environment (2240)
Landscape Architecture (2220)
Town Planning (2230)

Faculty
Built Environment

Estimated first year tuition
A$31,200

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements

Bachelor degree in the relevant area from UNSW, at a level specified by the Faculty, or a qualification considered equivalent from a recognised university or tertiary institution.

Master of Philosophy

Program code 2222

Faculty
Built Environment

Estimated first year tuition
A$31,200

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements

Recognised four-year Bachelor degree with honours that includes a substantial research component, or the equivalent.

Area(s) of Specialisation

- Architecture
- Building
- Construction and Project Management
- Facilities Management
- Industrial Design
- Interior Architecture Landscape Architecture
- Property Development and Management
- Town Planning and Urban Design

Doctor of Philosophy

Program code 1120

Faculty
Built Environment

Estimated first year tuition
A$31,200

Program Duration
3 to 4 years

Entry
February and July

Entry requirements

Recognised Master degree (with a substantial research component), or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

Area(s) of Specialisation

- Architecture
- Building
- Construction and Project Management
- Facilities Management
- Industrial Design
- Interior Architecture Landscape Architecture
- Property Development and Management
- Town Planning and Urban Design

Business School
Research areas

business.unsw.edu.au/programs-courses/postgraduate-research

Accounting
Research areas
- Accounting and assurance for carbon emission permits/carbon instruments
- Accounting failures and irregularities in published financial reports
- Accounting for corporate combinations and associations
- Accounting for goodwill and other intangible assets
- Accounting information price formation and capital markets
- Accounting information and corporate governance
- Audit and professional judgements
- Audit quality
- Conservatism
- Corporate disclosure/Integrated reporting
- Customer-supplier negotiations
- Customer profitability
- Decision making and outcomes of temporary corporate bankruptcy procedures
- Development and evaluation of international auditing standards
- Earnings management
- Economics of auditing
- Environmental management accounting
- Fair value accounting
- Financial reporting by companies subject to external administration
- Fraud
- Global governance
- Impact of International Financial Reporting Standards (IFRS)
- Incentive scheme designs
- International accounting and auditing
- International financial markets
- Integrating sustainability into business strategies
- Judgement and decision making research in a financial reporting environment
- Knowledge management and intellectual capital reporting
- Management control systems
- Managerial judgement and decision making using strategic performance information
- Managing inter-firm relationships
- Professional scepticism
- Qualitative research methods and
- management accounting
- Reducing the expectation gap
- Role and impact of financial analysts
- Role of accounting in public-private partnerships
- Strategising and accounting
- Strategic performance management systems
- Strategic capital investment decisions
- Supply chain accounting
- Value relevance of accounting information
- Value relevance of environmental, social and governance (ESG) disclosures
- Water accounting

Banking and Finance
Research areas
- Asset pricing
- Banking and financial institutions
- Behavioural finance
- Corporate finance
- Derivatives
- Experimental and neuro finance
- Financial econometrics
- Financial markets
- Fixed Income
- International finance
- Investment management
- Macro-finance
- Market microstructure
- Mergers and acquisitions
- Mutual funds, pension funds and hedge funds
- Portfolio management
- Private equity adventure capital
- Quantitative finance
- Real estate finance
- Risk management
- Securities offerings

Economics
Research areas
- Applied econometrics
- Applied microeconomics
- Bayesian econometrics
- Computational economics
- Contract theory
- Development economics
- Econometric and statistical modelling
- Economic development
- Economic growth
- Economic history
- Economic measurement
- Economics of technology and structural change
- Environmental economics
- Experimental and behavioural economics
- Financial economics
- Firm dynamics
- Game theory
- Health economics
- Heterodox economics
- Income distribution
- International finance
- International trade
- Industrial organisation
- Labour economics
- Macroeconomic theory
- Macroeconometrics
- Mathematical economics
- Microeconomic theory
- Microeconometrics
- Monetary economics
- Natural resource and environmental economics
- Pension economics
- Personnel economics
- Political economy
- Productivity analysis
- Public economics
- Public finance
- Time series analysis

Information Systems, Technology and Management
Research areas
- Applications of the internet for example e-business, e-health, e-democracy
- Business process management
- Business intelligence and decision making
- Emergent methodologies for delivering high value IS for example agile and lean development
- Enterprise systems
- Global supply chain management
- Impact of IS on people, organisations, government and society
- IS strategy and management
- IS for innovation and open innovation
- IS for social networking
- IS risk, security and forensics
- Role of the CIO (Chief Information Officer) and IS executives
- Service quality management

Marketing
Research areas
- Affect and consumer judgement
- Branding and marketing communications
- Competitive marketing strategy
- Consumer psychology and consumer behaviour
- Coordination in distribution channels
- Cross cultural marketing and ethnography
- Customer relationship management
- Customer satisfaction
- Front line service
- International marketing
- Macromarketing
- Marketing metrics
- Preference formation and consumer decision making
- Pricing
- Product/service innovation
- Retail assortment
- Services marketing
- Services process analysis
- Statistical and econometric modelling

Management
Research areas
- Careers and organisational performance
- Comparative management systems, particularly in Asia
- Corporate social responsibility and sustainability
- Corporate strategy
- Corporate diversification
- Corporate governance
- Cross cultural and diversity management
- Dynamic capabilities
- Evolutionary theories in management, networks and economics
- Evolution of networks
- Foreign direct investment and inter-firm linkages
- Globalisation and work in the service economy
- High performance work systems and employee well-being
- Human resource management and its impact on employees
- Industrial relations
- Industry emergence and evolution
- Institutional theory and identity
- Intra- and inter- organisational networks
- Innovation and entrepreneurship
- International business strategy
- Labour market and industrial relations practices
- Management behaviour and dynamics
- Managerial decision-making and mental models
- New venture development
- Occupational health and safety
- Organisational change
- Organisational ecology
- Organisation theory
- Personality theory in relation to organisations
- Skill formation and learning systems
- Social network analysis
- Strategy formulation and implementation
- Strategic choice theory
- Strategic goal-setting and aspirations
- Supply chains and trust relations
- System dynamics of firm growth
- Team dynamics and performance
- Transnational corporations, intellectual property rights and aspects of performance

Risk and Actuarial Studies
Research areas
- Asset-liability modelling and optimal control in insurance
- Enterprise risk management and dependent risks
- Financial economics and applications in insurance and superannuation
- Insurer capital management and loss reserving
- Insurer optimal asset allocation and risk management
- Modelling and pricing of insurance, credit and operational risks
- Pension and superannuation
- Population ageing research
- Risk management and product design for retirement, longevity and health risks

Taxation and Business Law
Research areas
- Alternative dispute resolution
- Business ethics and ethics in taxation
- Capital gains tax
- Chinese competition and consumer law
- Competition and anti-trust laws
- Conceptual and structural issues in income tax
- Consumer protection and fair trading laws
- Contract law
- Corporate governance
- Corporate tax integration and taxation of entities
- Directors' duties
- E-business law
- Environmental tax
- Fiscal federalism and intergovernmental transfers
- Franchising code of conduct
- Franchising policy, development, regulation, international expansion and comparative law
- Good faith
- Goods and services tax
- Income tax
- Industry codes of conduct
- Insolvency law
- Intellectual property and taxation of
- intellectual property
- Comparative taxation (including double
- taxation treaties)
- International taxation
- International trade and investment law
- Legal issues in global branding
- Not-for-profit organisations
- Public finance
- Retail leasing law
- Shareholder rights and remedies
- Tax administration
- Tax aspects of corporate finance
- Tax complexity
- Tax compliance
- Tax compliance costs
- Tax expenditures
- Tax gap
- Tax risk management
- Taxation in China
- Taxation law reform
- Taxation of entities and groups of entities
- Taxation of superannuation
- Taxation of trusts
- Tax-transfer system reform
- Unconscionable conduct

Research programs

Doctor of Philosophy

Accounting (1521)
Banking and Finance (1561)
Economics (1540)
Information Systems and Technology Management (1525)
Marketing (1550)
Organisation and Management (1605)
Risk and Actuarial Studies (1545)
Strategy and Entrepreneurship (1532)
Taxation and Business Law (1535)

Faculty
Business School

Estimated first year tuition
A$30,480

Program Duration
3 to 4 years

Entry
February and July

Entry requirements
- a four-year Bachelor's degree with first or upper second class honours from an Australian university, OR
- a completed Master by Research degree, OR
- equivalent academic qualification(s) approved by the appropriate Faculty higher degree committee.

Applicants must complete an expression of interest to the School before applying.

Master of Philosophy
Program code 2585

Faculty
Business School

Estimated first year tuition
$30,480

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Appropriate Bachelor degree in the relevant discipline from UNSW or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Faculty higher degree committee, usually at honours level.

Area(s) of Specialisation
- Accounting
- Banking and Finance
- Economics
- Human Resource Management Industrial Relations
- Information Systems and Technology Management
- International Business
- Marketing
- Organisational Behaviour
- Risk and Actuarial Studies
- Strategy and Entrepreneurship
- Taxation and Business Law

Engineering
Research areas

Graduate School of Biomedical Engineering

Dr Penny Martens
p.martens@unsw.edu.au
engineering.unsw.edu.au/biomedical-engineering

Research areas
- Biomaterials, Tissue Engineering and Regenerative Medicine
- Bionics, Biomonitoring and Modelling Research

School of Chemical Engineering
Chemical Engineering and Industrial Chemistry

Professor Jie Bao
Pgrcoord.ceic@unsw.edu.au
engineering.unsw.edu.au/chemical-engineering

Research areas
- Computer process control
- Electrochemical engineering and batteries
- Environmental technology
- Membrane science and technology
- Energy and storage
- Particle technology and catalysis
- Polymer science and technology
- Process modelling and optimisation
- Nano materials and technology
- Rheology of complex fluid microstructures
- Supercritical fluids
- Wastewater treatment

Food Science and Technology
Research areas
- Food chemistry
- Food engineering
- Food microbiology
- Food processing
- Food safety
- Nutrition
- Sensory analysis
- Product development

School of Civil and Environmental Engineering

Associate Professor Arnaud Castel
a.castel@unsw.edu.au
engineering.unsw.edu.au/civil-engineering

Research areas
- Engineering construction
- Environmental engineering
- Geotechnical engineering
- Structural engineering
- Transport engineeringWater engineering
- Surveying and Geospatial Engineering

School of Computer Science and Engineering

Student Office
research@cse.unsw.edu.au
cse.unsw.edu.au

Research areas
- Artificial intelligence
- Bioinformatics
- Database
- Embedded and operating systems
- Networks
- Programming languages
- Service oriented computing
- Software engineering
- Theory

School of Electrical Engineering and Telecommunications

Associate Professor Vijay Sivaraman
vijay@unsw.edu.au
engineering.unsw.edu.au/electrical-engineering

Research areas
- Biomedical engineering
- Computer networks
- Control systems
- Electrical power equipment
- Microsystems
- Mobile communications
- Photonic technologies and optical communications
- Power electronics and drives
- Power systems
- Quantum computing
- Wireless Communications and Networks
- Signal processing
- Quantum Communications

School of Mechanical and Manufacturing Engineering

Associate Professor Zhongxiao Peng
pgrcoord.mech@unsw.edu.au
engineering.unsw.edu.au/mechanical-engineering

Research areas
- Advanced Manufacturing
- Combustion and Solar Thermal Energy
- Vibration and Acoustics
- Advanced Structures and Materials
- Aerodynamics and Aerospace
- Robotics and Autonomous Systems
- Bio-Fluidics and Nano/Micro Transport
- Tribology and Machine Condition Monitoring

School of Mining Engineering

Dr Chris Daly
c.daly@unsw.edu.au
engineering.unsw.edu.au/mining-engineering

Research areas
- Mining Geomechanics
- Sustainable Mining Practices
- Mining Systems and Mineral Processing
- Innovative Learning and Teaching

School of Petroleum Engineering

Professor Sheik Rahman
sheik.rahman@unsw.edu.au
Student office: tetb@unsw.edu.au
engineering.unsw.edu.au/petroleum-engineering

Research areas
- Drilling and completion
- Production engineering
- Petroleum economics
- Reservoir characterisation
- Reservoir engineering and simulation

School of Photovoltaic and Renewable Energy

Professor Gavin Conibeer
g.conibeer@unsw.edu.au
Student office: tetb@unsw.edu.au
engineering.unsw.edu.au/energy-engineering

Research areas
- Crystalline silicon solar cells – design, optimisation and processing techniques for increased efficiency
- Tandem cell devices on silicon cell substrates: GaAs and SiGe devices,
- Light trapping in thin crystalline silicon, novel semiconductor devices
- Plasmonics and application to light trapping in solar cells
- Photovoltaic applications in developing countries
- Photovoltaic device fabrication and characterisation
- Photovoltaic device physics, modelling, design and characterisation; photovoltaic module design
- Photovoltaic solar energy conversion
- Quantum wells, quantum dots, nanostructures for photovoltaic applications
- Advanced photovoltaic concepts: band gap engineering, hot carriers, spectrum conversion
- Energy Efficiency and low energy building design
- Renewable energy policy and mechanisms
- Wind energy forecasting
- Biomass and bioenergy: anaerobic digestion
- Energy storage: photoelectrolysis and conversion of solar fuels

Research programs

Master of Engineering by Research

Biomedical Engineering (2675)	Mechanical and Manufacturing Engineering (2692)
Chemical Engineering (2150)	Mining Engineering (2180)
Civil and Environmental Engineering (2650)	Petroleum Engineering (2156)
Computer Science and Engineering (2665)	Photovoltaic Engineering (2655)
Electrical Engineering (2660)	Surveying and Spatial Information Systems (2721)

Faculty
Engineering

Estimated first year tuition
A$38,160

Program Duration
1.5 to 2 years

Entry
February and July

☑ **Entry requirements**
Recognised four-year Bachelor degree with honours that includes a substantial research component, or the equivalent.

Master of Science by Research

Biomedical Engineering (2795)
Chemical Engineering (2010)
Civil and Environmental Engineering (2750)
Computer Science and Engineering (2765)
Food Science and Technology (2031)
Industrial Chemistry (2016)

Faculty
Engineering

Estimated first year tuition
A$38,160

Program Duration
1.5 to 2 years

Entry
February and July

☑ **Entry requirements**
Recognised four-year Bachelor degree with honours that includes a substantial research component, or the equivalent.

Doctor of Philosophy

Biomedical Engineering (1710)	Industrial Chemistry (1016)
Chemical Engineering (1010)	Mechanical and Manufacturing Engineering (1662)
Civil and Environmental Engineering (1630)	Mining Engineering (1050)
Computer Science and Engineering (1650)	Petroleum Engineering (1017)
Electrical Engineering (1640)	Photovoltaic Engineering (1655)
Food Science and Technology (1031)	Surveying and Spatial Information Systems (1681)

Faculty
Engineering

Estimated first year tuition
A$38,160

Program Duration
3 to 4 years

Entry
February and July

☑ **Entry requirements**
Recognised Master degree (with a substantial research component), or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

For further details of engineering research areas see unsw.to/EngResearchAreas

Law
Research areas

Professor Gary Edmond
Director of Postgraduate Research
g.edmond@unsw.edu.au
law.unsw.edu.au/future-students/research-degrees

Constitutional and Administrative Law
- Administrative law
- Charters of rights
- Comparative constitutional law
- Constitutional law
- Deliberative democracy
- Electoral law
- Federalism
- Judicial dissent
- Migration law
- Public law
- Referendums
- State liability

Corporate and Commercial Law
- Banking and finance law
- Commercial law
- Competition and consumer law
- Dispute resolution
- Financial services law
- Sports Law
- Superannuation law
- Takeover law

Criminal Law, Criminal Justice and Criminology
- Border policing
- Comparative criminal justice
- Criminal justice and criminology
- Criminal law
- Domestic Violence
- Feminist criminology
- Gender and criminal justice
- Homicide
- Policing
- Prisons and penology
- Restorative justice
- State crime
- The criminal trial
- Therapeutic jurisprudence
- Victimology and victim rights
- White collar crime

Environmental Law
- Environmental Law
- Energy law
- International environmental law
- Legal geography
- Natural resources law
- Planning law
- Water law

Evidence and Civil Procedure
- Bail and remand
- Class actions
- Comparative civil procedure
- Complex civil litigation
- Evidence and procedure (civil)
- Evidence and procedure (criminal)
- Judging

Human Rights and Social Justice
- Access to justice
- Children and the law
- Discrimination law
- Economic, social and cultural rights
- Family law
- Juvenile justice
- Law and gender
- Legal aid
- Public interest litigation
- Women's human rights

Indigenous Peoples and the Law
- Aboriginal people and democracy
- Aboriginal women and the law
- Native title and land rights

Intellectual Property
- Art and law
- Copyright law
- Cyberlaw
- Defamation
- History and theory of intellectual property laws
- Law and culture
- Laws affecting Indigenous cultural property
- Media law
- Patent law
- Trade marks and design

Law, Science and Technology
- Law and technology
- Legal information systems

Legal and Social Theory
- Critical theory
- Feminist legal theory
- Law after Communism
- Law and society
- Moral and political philosophy
- Liberal legal theory
- Post structural legal theory
- Private law theory
- Religion and the law
- Research Methodology
- Rule of law
- Socio-legal studies
- Sociology of Law

Legal Education and Pedagogy
- Clinical legal education
- Legal ethics
- Law reform
- Legal profession
- Legal history

National Security and Terrorism
- Border policing
- International law and use of force

Private Law
- Contract law
- Employment law
- Equity and trusts
- Housing law
- Private law theory
- Remedies
- Restitution and unjust enrichment
- Strata and community title
- Succession
- Torts law

Public International Law
- European Union law
- International disaster law
- International economic law
- International environmental law
- International heritage law
- International human rights law
- International humanitarian and criminal law
- International law and use of force
- International legal theory
- International organisations
- International refugee law and forced migration
- Law of the sea
- The law of state responsibility
- The law of treaties

Regulation and Regulatory Theory
- Corporate governance
- Law and medicine
- Online investing regulation
- Organisational and occupational culture
- Policy analysis and evaluation
- Regulatory litigation

Transnational and Comparative Law
- African law
- Comparative constitutional law
- Comparative civil procedure
- Comparative criminal justice
- Conflict of laws
- Globalisation and the law
- Transnational litigation
- South African law
- US Law

Research programs

Doctor of Juridical Science Program code 1740	**Faculty** Law	**Estimated first year tuition** A$33,600
	Program Duration 3 to 4 years	**Entry** February and July

☑ **Entry requirements**
Completion of coursework component (UNSW Master of Laws by coursework) with a minimum distinction average (75%) is required to articulate to the SJD program.

Doctor of Philosophy Program code 1730	**Faculty** Law	**Estimated first year tuition** A$33,600
	Program Duration 3 to 4 years	**Entry** February and July

☑ **Entry requirements**
Recognised Master degree (including a substantial research component) with a minimum distinction average (75%), or a recognised four-year Bachelor degree (with a substantial research component) with first class honours.

Master of Laws by Research Program code 2440	**Faculty** Law	**Estimated first year tuition** A$33,600
	Program Duration 1.5 to 2 years	**Entry** February and July

☑ **Entry requirements**
Recognised four-year Bachelor of Laws degree (with a substantial research component) with Honours. (pg 101)

Medicine
Research areas

UNSW Kensington-based Schools

School of Medical Sciences

Associate Professor Pascal Carrive
p.carrive@unsw.edu.au

Dr David Simar
d.simar@unsw.edu.au
medicalsciences.med.unsw.edu.au

As a central element of the biomedical research precinct at UNSW, our School features modern laboratory facilities and leading-edge research infrastructure. Our staff and students use their disciplinary expertise in molecular and cellular biology, experimental physiology, pharmacology and tissue pathology to explore the causes and treatment of a wide range of diseases important to our community. They have a strong commitment to assisting the next generation of biomedical researchers gain expertise through higher degree studies, and are supported in their work by an integrated team of research support staff.

MAJOR RESEARCH GROUPS

Cellular and Genetic Medicine Unit
- Developmental and regenerative dermatology
- Molecular neurodegeneration and brain pathology
- Neurodegeneration and repair
- Neuromuscular and regenerative medicine
- Oncology research

Cellular and Systems Physiology
- Cardiovascular disease
- Fetal and developmental research
- Membrane and cellular biophysics
- Muscular dystrophy
- Neurobiology research lab
- Sensory neuroscience

Dementia Research Unit
- Neurodegenerative disorders

Educational Research and Development Group
- e-learning and online learning tools and assessments

Exercise Physiology Research
- Pain, ageing, muscle function and fatigue
- Physical activity in paediatric populations
- Exercise and bioactive ingredients on metabolic and vascular health

Gastrointestinal and Bladder Disease Group
- Uncovering the causes of and developing therapeutics for gut and bladder diseases

Inflammation and Infection Research
- Cancer cachexia mechanisms research
- Cytokine biology research
- Immune regulation research
- Inflammatory bowel disease research
- Ocular diseases research
- Pulmonary inflammation research
- Immunometabolism
- Redox cell signalling

Metabolic Disease
- Environmental determinants of obesity
- Metabolic signalling
- Molecular biology of ageing
- Mitochondrial bioenergetics

Molecular Pharmacology and Drug Design
- Computer-aided drug design
- G-protein coupled receptor
- Cancer drug discovery

Nerve, Brain and Behaviour
- Brain, blood pressure and stress
- Neuropathological research
- Neuropathic pain research
- Neuropharmacology and brain injury

System Medicine
- Computational biology and bioinformatics
- Immunometabolics
- Immunovirology

Translational Neuroscience Facility
- Clinical neurophysiology
- CNS neuroprotection
- Functional genomics
- Memory and plasticity
- Neurosystems
- Sensori-motor

EMERGING RESEARCH GROUPS
- Cell biology lab

School of Public Health and Community Medicine

Research Student Support Officer
resdegree-sphcm@unsw.edu.au
sphcm.med.unsw.edu.au

The School of Public Health and Community Medicine is a leading Australian and regional school for the related disciplines of public health, health management and community medicine, with an extensive alumni network in Australia and the Asia Pacific region. Many of our alumni are leaders in the health sector, and these relationships place us at the forefront of translation of research into practice. We seek to promote health, prevent disease and strengthen health systems in Australia and the region, and continually work at the interface of research translation. We have a vibrant and active research culture, evidenced in the activities of our many research students (currently over 140 enrolled) and academic staff, our track record of high impact publications, our successful history of research grants, and the transdisciplinary backgrounds and experience of our academic, research and conjoint staff.

Research Areas
- Global health
- Infectious diseases epidemiology and control
- Primary health care
- Indigenous health
- Social research
- Ageing, centenarian health and
- geriatric medicine
- Biostatistics
- Epidemiology
- Health economics
- Health promotion
- Health services and systems
- Health service management and
- human resources
- Mathematical modeling
- Mental health
- Psychosocial issues
- Refugee health
- Medical education
- Smoking cessation interventions
- Sexual health

Associated centres and units of SPHCM

Centre for Primary Health Care and Equity

Professor Mark Harris
cphce@unsw.edu.au
cphce.unsw.edu.au

- Structured care for the prevention and management of chronic disease (especially diabetes, cardiovascular disease, multi-morbidity and mental health) including self management, teamwork, information systems, decision support and links to community programs
- Prevention in primary health care including assessment of lifestyle and other risk, brief interventions, coaching and motivational interviewing, referral and long term maintenance
- Health equity research including early childhood, disadvantaged communities and population, healthy public policy and health impact assessment
- Integration of policy and practice linking primary health care and the rest of the health system
- Health informatics in primary health care with a focus on integration of care across providers and services

Muru Marri Indigenous Health Unit

Professor Lisa Jackson-Pulver
lisa.jackson-pulver@unsw.edu.au

Research Areas
- Data quality enhancement and epidemiological studies of Aboriginal and Torres Strait Islander and international Indigenous health
- Empowerment of families, and particularly youth, to promote health and wellbeing during the key transitions across the lifespan (for example, pregnancy, infancy, school transitions, pre-adolescence to adolescence, adulthood to ageing)
- Enhancement of primary health care and mental health, drug and alcohol, corrective and other services to support better health, wellbeing and social outcomes
- Educational research playing a critical role in enhancing the Indigenous health workforce development to achieve positive, widespread change

UNSW Clinical School and Teaching Hospitals

School of Women's and Children's Health

Research Areas

Paediatrics

Professor Richard Lock
richard.lock@unsw.edu.au
swch.med.unsw.edu.au

- Aboriginal child health
- Asthma education
- Brain and nervous system disorders
- Childhood cancers and blood disorders
- Cystic fibrosis and pancreatic complications
- Cutaneous haemangiomas, pathogenesis and therapy
- Developmental disorders in childhood
- Developmental neuroscience, growth factors and adult neural stem cells
- Diabetes, growth and syndrome X, epidemiology
- Epilepsy, pathogenesis and cognitive outcomes
- Gastrointestinal disorders, inflammatory bowel diseases and nutritional therapies
- Immunodeficiency syndromes
- Genetics of craniofacial syndromes
- Immunology, infectious diseases
- Long term effects of therapy in cancer survivors
- Lung diseases and airway inflammation
- Neonatal medicine
- New generation sequencing technologies in genetic diagnosis
- Neurocutaneous syndromes, tuberous sclerosis
- Olfactory neurobiology and human psychophysics of taste and smell
- Psychosocial aspects of childhood malignancy
- Renal complications of haemopoietic stem cell transplantation

Obstetrics and Gynaecology

Professor Michael Chapman
m.chapman@unsw.edu.au
swch.med.unsw.edu.au

Reproductive Medicine and Gynaecology
- Assisted reproductive science and technology
- Recurrent implantation failure and recurrent miscarriage
- Pathogenesis of ectopic pregnancy
- Embryonic genome activation and programming
- Gynaecological and non-gynaecological effects of polycystic ovary syndrome
- New approaches for minimally invasive gynaecological surgery
- Pelvic floor imaging for chronic pelvic pain
- Outcomes of multidisciplinary care in chronic pelvic pain
- Fertility preservation for women who require chemotherapy or radiotherapy
- Impact of menopause on bone and cardiovascular health
- Endocrine regulation of endometriosis

Maternal and Fetal Medicine
- Epidemiology of adverse pregnancy outcome
- Effects of ART on multiparity and on pregnancy outcome
- Advanced fetal imaging
- Biology of trophoblast and trophoblast cell culture
- Derivation and characterisation of amniotic fluid stem cells
- Assessment of in utero fetal behaviour
- Habituation during pregnancy
- Causation and management of postnatal depression

Urogynaecology
- Role of urothelial cell ATP in the mechanism of urgency in the overactive bladder
- Low grade bacterial cystitis in refractory detrusor overactivity
- Randomised controlled trial of electromagnetic chair versus routine PFMT for stress incontinence
- Randomised controlled trial of single use versus re-use catheters in patients who self-catheterise for bladder outflow obstruction; cost and microbiological implications

Gynaecological Oncology
- Development of an EORTC quality of life model for vulvar cancer
- Women's perceptions of sexuality and body image following treatment for early stage vulvar cancer
- Patients' choices regarding sentinel node biopsy for vulvar cancer
- Patterns of failure in patients with endometrial cancer
- HPV DNA testing as a test of cure for CIN11-111
- Nutritional status, quality of life, and exercise pattern at time of diagnosis for women with gynaecological cancer
- Primary surgery for the management of stage 1B2 cervical cancer
- International multicentre randomized phase 3 clinical trial of a laparoscopic approach to endometrial cancer

Perinatal and Reproductive Epidemiology
- Health services research, health economics and epidemiological research in reproductive and perinatal health
- Methodologies for population-based research in areas of perinatal research

including severe maternal morbidity and mortality and utilisation
- Caesarean section
- Population-based research (including data linkage) of vulnerable reproductive and perinatal populations (infertility, perinatal mental health, substance use and women in prison)

School of Psychiatry

Associate Professor Philip Ward
p.ward@unsw.edu.au
psych.med.unsw.edu.au

Contact for the Master of Philosophy in Forensic Mental Health Program (2712)
Associate Professor Kimberlie Dean
k.dean@unsw.edu.au
forensicmentalhealth.unsw.edu.au

Research Areas
- Alzheimer's disease and vascular dementia
- Anxiety disorders
- Bipolar disorder
- Brain imaging
- Childhood and adolescent mental disorders (autism, ADHD, Tourette's)
- Depression
- Epidemiology of mental disorders, including burden of disease
- Forensic mental health
- Genetics of mental disorders
- Healthy brain ageing
- Intellectual disability mental health
- Mental health of refugees and asylum seekers
- Neurobiology of schizophrenia
- Neurostimulation for mental disorders
- (ECT, TMS, DCS)
- Perinatal and women's mental health
- Psychoimmunology
- Schizophrenia
- Transcultural issues in psychiatry
- Trauma and mental health
- Workplace mental health
- Young people at risk for mental disorders

Prince of Wales Clinical School

Department of Medicine

Dr Jonathon Ehrlich,
j.erlich@unsw.edu.au

Associate Professor John Pimanda,
jpimanda@unsw.edu.au

powcs.med.unsw.edu.au

Research Areas
- Bioinformatics and protein mass spectrometry
- Biostatistical genomics
- Bone cancer
- Coagulation in cancer
- Diving and hyperbaric medicine
- Nephrology
- Neuroscience
- Psychosocial research
- Respiratory and pulmonary inflammation
- Cancer aetiology and prevention
- Ovarian cancer
- Pancreatic cancer translation
- Colorectal oncology
- Tumour growth
- Allosteric disulphides
- Bioactive lipid signalling
- Neuro-oncology
- Cancer Screening
- Sarcoma
- Breast cancer
- Wnt signalling and metastasis
- Stem cell
- Metastasis

Department of Surgery

Associate Professor John Pimanda
jpimanda@unsw.edu.au

Professor Philip Crowe
p.crowe@unsw.edu.au

powcs.med.unsw.edu.au

Research Areas
- General surgery: wound healing
- Orthopaedic surgery: connective tissue healing; anthroplasty, prothesis design and evaluation; upper extremity biomechanics; molecular biology of osteolysis; bonegraft substitutes
- Plastic surgery: distraction osteogenesis; bone graft substitutes
- Ophthalmology
- Surgical oncology
- Soft tissue sarcoma

St George & Sutherland Clinical School

Dr Ashish Diwan
a.diwan@spine-service.org
stgcs.med.unsw.edu.au

Department of Medicine Research Areas
- Aortic wall tensile strength
- Associated glycoproteins
- Biology and treatment of CLL and lymphoma
- Blood clotting related to autoimmunity
- Blood in health and disease
- Breast cancer and pharmacoepidemiology
- Cancer
- Cancer clinical trials
- Cardiac ischaemia and reperfusion injury
- Cardiology
- Clinical haematology
- Clinical pharmacology
- Dermatology
- Emergency medicine
- Gastroenterology
- Gastrointestinal inflammation
- Gastrointestinal motility
- Hepatic metastases
- Histamine and its role in the cell-mediated immune response to tumour growth
- Hormonal control of fat metabolism, pregnancy metabolism and body composition
- Human factors in medical errors
- Hypertension, CKD and pre-eclampsia
- Immunology
- Immunosuppresive effects of tumour
- Intensive care
- Intensive care medicine
- Intervertbral disc cell biology and regeneration
- Major injury and models of care
- Mechanics of disc for back pain cure
- Modulation of tumour infiltrating lymphocyte activity by the histamine-2 receptor, cimetidine
- Molecules in prostate cancer metastasis
- Nephrology
- Neurology
- Novel anti-cancer agents
- Nuclear medicine
- Nutritional studies
- Octreotide in colo-rectal cancer
- Orthopaedic surgery
- Orthopaedic surgery clinical outcomes research
- Peritoneal Cancer, peritonectomy/HIPEC
- Physician and trainee education
- Plastic and reconstructive surgery
- Prostate brachytherapy
- Public health and chronic kidney disease
- Radiofrequency ablation
- Rheumatology
- Sleep disorders and respiratory failure
- Treatment of liver cancer and nonocytotoxic control of colorectal cancer
- Vitamin D3 analogue in cancer

St Vincent's Clinical School

Associate Professor Mark Danta
m.danta@unsw.edu.au
stvcs.med.unsw.edu.au

Research Areas
- Antiarrhythmic pharmacology
- Arterial ageing
- Bone marrow transplantation
- Bowel cancer screening
- Cardiac electrophysiology
- Cardiac transplantation
- Cardiovascular haemodynamics
- Clinical governance – patient safety, risk management, clinical quality
- Clinical pharmacology
- Control of HIV infection and injecting drug users
- Coronary heart disease
- Drug monitoring
- Falls in the elderly
- Gene therapy
- Genetics of thrombosis

- Interventional cardiology
- Lung transplantation
- Molecular approaches to diagnosis and treatment of cancer
- Nitric oxide and blood vessels
- Nucleic acid based catalytic molecules
- Palliative care medicine
- Treatment of cancer with monoclonal antibodies
- Cancer – epidemiology, aetiology, chemoprevention, patterns of care, hereditary colorectal

South Western Sydney Clinical School (SWSCS)

Professor Minoti Apte
m.apte@unsw.edu.au
swscs.med.unsw.edu.au

Department of Medicine Research Areas
- Asthma
- Blood disorders
- Cancer
- Cardiac diagnostics
- Diabetes
- Immunology (including transplantation immunology)
- Infectious diseases
- Multiple sclerosis
- Nephritis
- Neurological disease

Department of Surgery
- Gastrointestinal diseases
- Cell biology and gene regulation
- Connective tissue
- Cancer
- Inflammation

Associated centre of SWSCS

Simpson Centre for Health Services Research

Professor Ken Hillman
k.hillman@unsw.edu.au

The Simpson Centre's work concentrates on developing and evaluating innovative health services and clinical practice. Patient safety in acute hospitals is complex and a policy resistant challenge, requiring complex interventions. The Simpson Centre's world-renowned research covers a range of issues:
- The Simpson Centre's partners are clinicians and patients in health systems, and those in jurisdictions responsible for health policy and practice improvement.
- Providing rapid systematic reviews on key policy issues for various government agencies on topics such as conflict resolution in palliative care, evidence on the impact of public reporting of health system performance, evidence of the impact of implementing a routine collected electronic patient reported outcome measures in cancer settings.
- Evaluation into medical emergency teams and capabilities.
- Developing hospital-wide patient safety systems which has now been taken up in the majority of Australasian, North American and UK hospitals.
- Exploring the inequity in health status and health services access among indigenous and ethnic Australian children in order to understand their aetiology, epidemiology and potential policy interventions.
- Developing and evaluating the care model in Emergency Departments in particular with emphasis on reducing access block.
- Evaluating models of care in emergency departments.
- Evaluating end-of-life care in emergency departments.
- Developing predictive models for end-of-life care in acute hospital settings.
- Evaluating the effectiveness of a world-first, state-wide policy initiative in reducing unnecessary blood transfusion across all hospitals in NSW.

Rural Clinical School

A/Prof Craig McLachlan
cmac@unsw.edu.au
rcs.med.unsw.edu.au

Research Areas
- Chronic disease
- Translational medicine
- Cardiology and diabetes (genetics)
- Rural medical education and workforce outcomes
- Medical devices and sensor technology
- Health services
- Community health screening
- Biomarkers and inflammation
- Stress / cognition
- Pathology
- Public domain data modelling
- Cancer (liver, lung, prostate, radiation oncology)
- Paediatrics and maternal health

UNSW Centres and Institutes

The Kirby Institute for Infection and Immunity in Society

(Formerly the National Centre in HIV Epidemiology and Clinical Research)

Dr Janaki Amin
jamin@kirby.unsw.edu.au
kirby.unsw.edu.au

Research Areas
- Aboriginal and Torres Strait Islander health
- Biostatistics and databases
- HIV epidemiology and prevention
- Immunovirology and pathogenesis
- Justice health
- Public health interventions
- Sexual health
- Surveillance and evaluation for public health
- HIV therapeutic and vaccines research
- Viral hepatitis clinical research
- Viral hepatitis epidemiology and prevention

National Drug and Alcohol Research Centre

Professor Michael Farrell
Michael.farrell@unsw.edu.au
ndarc.med.unsw.edu.au

Research Areas
- Clinical trials of pharmacological and psychological treatments for alcohol and other drug dependence (such as cannabis dependence, amphetamine dependence, and cocaine dependence)
- Economic evaluations of such treatment, including cost analysis, cost-effectiveness analysis, cost-utility analysis, and work on prescribed medications under the pharmaceutical benefits scheme
- Epidemiological studies of harms caused by alcohol and drug use, including heroin overdose death and non-fatal overdose
- Epidemiology of alcohol and other drug use
- Epidemiology of comorbidity between alcohol and other drug dependence and other mental disorders, such as the affective and anxiety disorders
- Studies of patterns of alcohol and drug use in the general population and in sub-section sentinel populations
- Cohort studies of child and adolescent populations in order to develop new understanding of vulnerabilities and resilience in the life cycle
- Evaluation of new prevention approaches and early interventions in alcohol and other drugs
- International drug policy
- Indigenous issues related to alcohol and other drugs
- Criminal justice system issues related to alcohol and other drugs

Affiliated Centres and Institutes

Children's Cancer Institute

Dr Amanda Philp
aphilp@ccia.unsw.edu.au
www.ccia.org.au

Research Areas
- Cancer Cell Development
  - Cancer cell immortality
  - Telomerase and haematopoietic cells
- Cancer and Stem Cell Biology
- Experimental Therapeutics
  - The ODC gene: another molecular target

- Targeting the N-myc oncogene in neuroblastoma
- MRP genes in neuroblastoma
- Histone Modification
- Leukaemia Biology
  - Drug resistance in childhood leukaemia
  - Pre-clinical evaluation of new therapies
  - New therapies for acute myeloid leukaemia
- Molecular Carcinogenesis
  - Neuroblastoma tumour initiation
  - Retinoid therapies
- - Initiation and progression of childhood leukaemia
- Minimal Residual Disease
- Molecular Diagnostics
  - Genetic suppressors of neuroblastoma
  - ABC's in adult cancers
  - Improving treatment for leukaemia
- Targeted Therapies
- - Novel therapies for Diffuse Intrinsic
- Pontine Glioma
- Tumour Biology and Targeting
  - Aurora kinases in cancer
  - Using nanotechnology to deliver cancer treatments

Neuroscience Research Australia

(Formerly Prince of Wales Medical Research Institute)

Professor Peter Schofield
p.schofield@unsw.edu.au
www.neura.edu.au

Research Areas

- Ageing and neurodegeneration in Aboriginal Australians
- Alzheimers disease – clinical and genetic studies
- Autism – clinical and imaging studies
- Biochemical basis of brain function
- Childhood injury
- Consequences of nerve and spinal cord injury
- Construction of atlases of the brain and spinal cord in humans and experimental animals
- Developmental neurobiology of schizophrenia
- Falls prevention, particularly in the elderly
- Frontotemporal dementia – clinical, pathological, imaging studies
- Genetics and neuropathology of dementia
- Genetics of mental illness including bipolar disorder, schizophrenia and depression
- Human balance, postural control and movement
- Human sensation and mechanisms of transmitting sensory information to the brain
- Injuries from road accidents
- Magnetic resonance imaging and spectroscopy
- Mechanisms of acute and chronic pain
- Motor neurone disease – clinical, pathological, imaging studies
- Muscle function and fatigue in health and disease
- Neurodegeneration and related diseases
- Parkinson's disease – neuropathology and cellular biochemistry
- Sleep physiology and sleep apnoea
- Vestibulo-ocular reflex and balance

St Vincent's Centre for Applied Medical Research

Professor Terry Campbell
t.campbell@unsw.edu.au
www.amr.org.au

Research Areas

- Applied neurosciences
- Blood, stem cell and gastro-oesophageal cancer
- Clinical research program
- HIV immunovirology
- Inflammation/cytokine
- Structural biology

Victor Chang Cardiac Research Institute

Professor Boris Martinac
b.martinac@victorchang.edu.au
www.victorchang.edu.au

Research Areas

- Cardiac physiology and transplantation division
  - Heart transplants
  - Pulmonary hypertension
  - Cardiac mechanics
- Developmental and stem cell biology division
  - Embryonic development and childhood heart disease
  - Cardiac stem cells
  - Cardiac regeneration
- Molecular cardiology and biophysics molecular genetics division
  - Cardiac receptors
  - Inherited heart diseases
  - Cardiac electrophysiology
  - Mechanobiology
  - Computational Cardiology
- Molecular, structural and computational biology division
  - Epigenetics
  - Next generation sequencing
  - X-ray crystallography
  - Protein complexes
  - Nanotechnology
- Vascular biology division
  - Atherosclerosis
  - Obesity
  - Diabetes

Garvan Institute of Medical Research

Dr Alessandra Bray
a.bray@unsw.edu.au
www.garvan.org.au

Research Areas

- Cancer
- Diabetes and Metabolism
- Immunology
- Neuroscience
- Bone Biology
- Clinical Genomics

Registration for Doctors and Specialist Medical Practitioner Training in Australia

At UNSW some graduate vocational coursework Master programs are conducted in health services management, forensic mental health and public health. However, graduates of these programs do NOT automatically become eligible to work as medical practitioners. We also provide research training, for example, PhD and Master of Science degrees, but this training again is NOT a qualification to practise medicine.

Registration for medical practice in Australia is regulated by separate laws in each state and territory which are administered by the medical boards. A medical practitioner must be registered under the laws of the state or territory in which he/she intends to practice. Information on the registration requirements and procedures for overseas trained doctors is available from the Australian Medical Council. Information is also available from the Information Service for Overseas Trained Health Professionals.

Australian universities do not have responsibility for the conduct of programs providing training for medical practitioners wishing to become specialists – these are controlled by professional medical colleges. To become a specialist, a medical practitioner must be accepted into and complete a training program arranged by one of the recognised professional colleges. A major part of this training takes place in teaching hospitals but is NOT the responsibility of any of the Australian universities, although university staff have significant roles in both the colleges and hospitals. Training positions are competitive and often not easily available, particularly to non- residents. Enquiries should be directed to the relevant professional college. For details of all professional medical colleges in Australia, visit the Committee of Presidents of Medical Colleges website at: www.cpmc.edu.au

Foreign medical practitioners who wish to arrange a period of training in Australia should ensure that they are eligible for an appropriate visa. Enquiries for hospital positions should be directed to appropriate hospitals, or to the relevant professional body.

Contact Details of Relevant Professional Bodies and Principal Professional Colleges

Australasian College of Health Services Management
+61 2 9878 5088
membership@achsm.org.au
www.achse.org.au

Australian Medical Council
+61 2 6270 7878
amc@amc.org.au
www.amc.org.au

Public Health Association of Australia
+61 2 6285 2373
phaa@phaa.net.au
www.phaa.net.au

Royal Australian College of General Practitioners
+61 2 9886 4700
nswact.faculty@racgp.org.au
www.racgp.org.au

Royal Australian and New Zealand College
of Ophthalmologists
+61 2 9690 1001
ranzco@ranzco.edu
www.ranzco.edu

Royal Australian and New Zealand College of Obstetricians and Gynaecologists
+61 3 9419 0672
ranzcog@ranzcog.edu.au
www.ranzcog.edu.au

Royal Australian and New Zealand College

of Psychiatrists
+612 9352 3600
ranzcp.nsw@ranzcp.org
www.ranzcp.org

Australasian College of Dermatologists
+61 2 8765 0242
admin@dermcoll.asn.au
www.dermcoll.asn.au

Australasian College of Emergency Medicine
+61 3 9320 0444
www.acem.org.au

Royal Australasian College of Medical Administrators
+61 3 9824 4699
info@racma.edu.au
www.racma.edu.au

Royal Australasian College of Physicians
+61 2 9256 5444
racp@racp.edu.au
www.racp.edu.au

Royal Australasian College of Surgeons
+61 3 9249 1200
college.sec@surgeons.org
www.surgeons.org

Australian and New Zealand College of Anaesthetists
+61 3 9510 6299
www.anzca.edu.au

Australian and New Zealand College of Radiologists
+61 2 9268 9777
ranzcr@ranzcr.edu.au
www.ranzcr.edu.au

Royal College of Pathologists of Australasia
+61 2 8356 5858
contact@rcpa.edu.au
www.rcpa.edu.au

Research programs

Master degrees by Research Health Administration (2960) Health Professions Education (2885) Master in Medicine (2515) Public Health (2845)	**Faculty** Medicine	**Estimated first year tuition** All A$30,480 except 2515: A$39,120
	Program Duration 1.5 to 2 years	**Entry** February and July

☑ **Entry requirements**

MBBS or other medical degree or a Bachelor degree plus relevant experience. Support from the proposed supervisor and the relevant Head of School.

Master of Philosophy Forensic Mental Health Program code 2712	**Faculty** Medicine	**Estimated first year tuition** A$39,120
	Program Duration 1.5 years	**Entry** February and July

☑ **Entry requirements**

Bachelor degree in the relevant discipline from UNSW, at a level specified by the Faculty or School, or a qualification considered equivalent from a recognised university or tertiary institution.

Master of Philosophy Public Health Program code 2713	**Faculty** Medicine	**Estimated first year tuition** A$30,480
	Program Duration 1.5 years	**Entry** February and July

☑ **Entry requirements**

Bachelor degree in the relevant discipline from UNSW, or equivalent program from another university or equivalent academic or professional experience acceptable to the higher degree committee of the Faculty.

Master of Science by Research

Faculty
Medicine

Estimated first year tuition
All A$39,120 except 2810: A$30,480

Program Duration
1.5 to 2 years

Entry
February and July

Anatomy (2800)
Community Medicine (2810)
Medicine (Kirby) (2771)
Medicine (Prince of Wales Clinical School) (2820)
Medicine (South Western Sydney School) (2821)
Medicine (St George and Sutherland Clinical School) (2822)
Medicine (St Vincent's Clinical School) (2823)
Obstetrics and Gynaecology (2830)
Surgery (South Western Sydney Clinical School) (2876)
Surgery (St George and Sutherland Clinical School) (2877)
Surgery (St Vincent's) (2878)
Paediatrics (2805)
Pathology (2840)
Physiology and Pharmacology (2850)
Psychiatry (2880)
Rural Health (2835)

Entry requirements

Recognised four-year Bachelor degree with honours (with a substantial research component).

Master of Surgery by Research

Faculty
Medicine

Estimated first year tuition
A$39,120

Program Duration
1.5 to 2 years

Entry
February and July

Surgery (Prince of Wales Clinical School) (2860)
Surgery (South Western Sydney Clinical School) (2861)
Surgery (St George and Sutherland Clinical School) (2862)
Surgery (St Vincent's Clinical School) (2863)

Entry requirements

Generally, candidates must have at least three years' experience of surgical training and there should be a lapse of five years before the thesis is submitted from the date of the award of the undergraduate medical degree.

Doctor of Philosophy

Faculty
Medicine

Estimated first year tuition
A$29,520

Program Duration
3 to 4 years

Entry
February and July

Anatomy (1750)
Kirby Institute (1774)
Medicine (Prince of Wales Clinical School) (1770)
Medicine (South Western Sydney Clinical School) (1771)
Obstetrics and Gynaecology (1820)
Paediatrics (1830)
Pathology (1780)
Physiology and Pharmacology (1790)
Surgery (Prince of Wales Clinical School) (1810)
Surgery (South Western Sydney Clinical School) (1811)
Surgery (St George and Sutherland Clinical School) (1812)
Surgery (St Vincent's Clinical School) (1813)
Medicine (St George and Sutherland Clinical School) (1772)
Rural Health (1795)
Medicine (St Vincent's Clinical School) (1773)
Psychiatry (1800)

Entry requirements

Recognised Master degree (including a substantial research component) or a recognised four-year Bachelor degree (with a substantial research component) with first class honours.

Doctor of Philosophy
Public Health and Community Medicine

Program code 1835

Faculty
Medicine

Estimated first year tuition
A$30,480

Program Duration
3 to 4 years

Entry
February and July

Entry requirements

Bachelor degree with honours; MBBS (from an Australian or New Zealand university) or professional experience as acceptable to the Higher Degree Committee of the Faculty. Proof of research experience as acceptable to the Higher Degree Committee of the Faculty.

Science
Research areas

Aviation

Prof Ann Williamson
a.williamson@unsw.edu.au

Research Areas

- Accident investigation
- Airport operations and management
- Aviation human factors and safety
- Aviation meteorology
- Aviation and tourism
- Airborne remote sensing of the earth's surface
- Cabin safety
- Forecasting and financial analysis
- Scheduling and fleet planning
- Transport human factors and safety

Biotechnology and Biomolecular Sciences

Dr Li Zhang
babs@unsw.edu.au
Babs-pg@unsw.edu.au

Research Areas

Note: Active Research areas may vary over time.

Environmental Microbiology

- Biofilm and biofouling control
- Bioremediation and biofuels
- Novel bioactives
- Novel biocatalysts
- Monitoring and maintaining the health of Australian ecosystems
- Water quality and water re-use
- Systems and Cellular Biology
- Cell stress and ageing
- Cholesterol and sterols
- Genetic mapping of phenotype and disease
- Protein interaction networks and systems biology

Molecular Medicine

- Cancer
- Immunogenetics
- Biomaterials

Infectious Disease

- Evolution of pandemic norovirus
- Mathematical, computational and statistical methods to understand biological systems
- Molecular evolution and population structure of bacterial pathogens
- Hepatitis C virus and host immune responses
- Mucus-associated bacteria in inflammatory bowel disease
- Viruses initiating carcinogenesis
- Medical bacteriology
- Medical Virology

Biological, Earth and Environmental Sciences

Associate Professor Bryce Kelly
bryce.kelly@unsw.edu.au
bees.unsw.edu.au

Biological Science
Research areas

- Ecology of chemical defences against herbivores in marine plant/herbivore interactions, seaweed population biology, ecology of marine biofouling and development of novel antifoulants
- Ecology of coastal vegetation, habitat assessment, wetland and river ecology
- Ecology of predation and its impact on native and feral animals
- Functional morphology in mammalian teeth and skeletons; evolutionary history of vertebrates; fossil history of Australian mammals and vertebrate faunas; species-level diversity in Australian mammals; phylogenetic studies in marsupials
- Evolution of plant adaptive strategies across environments; relating variability in plant form and life history to diversity and distribution
- Evolutionary biology of ageing
- Ecological, evolutionary and genetic dynamics associated with sexual reproduction
- Relationships between sexual selection, inbreeding and extinction
- Effects of water resource development on the ecology of rivers and wetlands, using remote sensing, GIS and hydrological analyses; ecology of Australian waterbirds, including reproductive success, movements, habitat use
- Ecology of desert systems; role of ecosystem engineers in soil and landscape processes in deserts; the ecology of biological soil crusts,
- plant-soil interactions in rangelands
- Global scale ecology – the ecology and evolution of plant life histories, plant-animal interactions, and the evolution of invasive species across ecosystems
- Ecology and behaviour of Australian and Antarctic marine mammals
- Behavioural ecology of lizards
- Invertebrate systematic and evolution

Climate Science
Research areas

- Climate variability and change; Climate extremes; Climate model evaluation
- Land surface, ecological and hydrological modelling
- Ocean dynamics
- Modes of climate variability (including El Nino, Indian Ocean Dipole, Southern Annular Mode)
- Australian rainfall variability/change
- Land-atmosphere interactions
- Water cycle processes
- Vulnerability to climate impacts
- Climate impacts on remote communities and indigenous Australians; climate of cities
- Air pollution meteorology
- Ocean carbon cycle and biogeochemistry
- Feedbacks and thresholds in the climate system
- Paleo proxy data - model comparison
- Geophysical fluid dynamics
- Abrupt climate change
- Vegetation dynamics
- Carbon cycle
- Atmosphere, ocean and coupled climate modelling
- Atmospheric physics and dynamics
- Cloud and convective processes

Environmental Management and Policy
Research areas

- Sustainable and community adaptation to
- climate change
- Mitigating Global Climate Change with
- Sustainable Energy;
- Biodiversity conservation through access and benefit sharing;
- Natural resource management
- Tools and approaches for assessing and monitoring the state of the environment and emerging trends;
- Land use change and land degradation
- Sustainable development goals
- Spatial frameworks for environmental
- decision making
- Science-policy interface

Geography
Research areas

- Adaptive management of environmental flows in regulated and unregulated rivers
- Aquaculture: management, integrated farming systems, degraded pond restoration, diseases of aquatic organisms, classification schemes for brackishwater aquaculture and finfish mariculture
- Coastal development and management including in the Asia Pacific region
- Coastal geomorphology
- Development of cultural industries
- Disturbance ecology: impacts of development on ecosystems
- Environmental and socio-economic impact assessment
- Fluvial geomorphology
- Geocomputation
- Geographic Information Systems (GIS) methods and applications
- International development
- International migration, transnationalism and multiculturalism
- Nearshore processes
- Pacific and indigenous studies
- Palaeoenvironmental reconstruction: environmental change of the late Quaternary and Holocene
- Palynology, charcoal analysis, geochemistry, mineral magnetic analysis
- Remote sensing
- Rural and urban land capability assessment
- Soils: soil science, soil acidification, soil use and management
- Geography of racism and anti-racism
- Urban geography
- Vegetation and climate of the postglacial period
- Vegetation and forest assessment
- Water quality assessment, lake and river limnology

Geology
Research areas

- Applied mineralogy
- Clays and industrial minerals
- Coal geology
- Coastal and estuarine geology
- Environmental geology

- Exploration and environmental geochemistry
- Exploration and environmental geophysics
- Geological evolution of significant Australian fossil localities
- Groundwater contamination – landfill studies, leachate plume characterisation
- Hydrochemical modelling and application of environmental isotopes in groundwater systems
- Hydrogeochemistry and water-rock interaction in different rock type environments
- Hydrogeology including groundwater studies in porous and fracture aquifer systems
- Igneous petrology
- Ore deposits; gem deposits
- Petroleum geology and geophysics
- Regional geology
- Remote sensing and image processing
- Salinisation – dry land and irrigation salinity; contaminant studies
- Sedimentology and basin analysis
- Soil science; Soil salinity assessment and management; sedimentary geology
- Structural geology
- Surface water – groundwater interaction and seawater intrusion into coastal aquifers
- Water quality in ground and surface water environments
- 3-D geological modelling
- Vertebrate palaeontology
- Geology of Archean systems
- Karst science (geology, hydrology, geochemistry, etc)

Marine and coastal studies

• Research areas

- Coastal management
- Coastal sedimentary processes and oceanography
- Fisheries management
- Fisheries oceanography
- Genetics
- Invasive species
- Marine ecology
- Marine ecotoxicology

Chemistry

Dr Alex Donald
w.donald@unsw.edu.au

Research Areas

Bioactive Molecules

- Design and understanding of bioactive molecules
- Heterocyclic chemistry for therapeutic compounds
- Exploration of DNA-drug interactions supplements
- Mode of action of antifreeze proteins

Chemical and Biological Catalysis

- Homogeneous catalysts for efficient and selective synthesis; efficient routes to pharmaceuticals, nitrogen fixation and carbon sequestration
- Structure and dynamics in catalysis using nuclear magnetic resonance spectroscopy, X-ray crystallography and modelling

Functional Materials

- Designer surfaces leading to super hydrophobic surfaces, biosensors, optoelectronic devices, organic electronics, biomaterials
- Nanostructured materials for catalysis, gas adsorption and molecular sieves

Materials Science and Engineering

Dr John Daniels
j.daniels@unsw.edu.au.
materials.unsw.edu.au

Research areas

- Biomaterials
- Ceramics coal in sustainable development
- Composites
- Electronic and superconducting ceramics
- Fracture, failure and wear
- High-temperature materials
- Iron, steel and alloy processes
- Nanotechnology
- Nanomaterials hydrogen storage group
- Particle science and technology
- Photocatalytic materials and physical metallurgy
- Polymers
- Property optimisation by texture control
- Pyrometallurgical processes
- Sustainable processing of materials

Mathematics and Statistics

Associate Professor Dr Thanh Tran
thanh.tran@unsw.edu.au
maths.unsw.edu.au

Research areas

- Applied Mathematics: biomathematics; computational mathematics; fluid dynamics, oceanic and atmospheric sciences; nonlinear phenomena; optimisation
- Pure Mathematics: algebra and representation theory; algebraic and metrical geometry; discrete mathematics; functional analysis; harmonic analysis; and mathematical physics
- Statistics: bayesian statistics and Monte Carlo methods; biostatistics and computational biology; stochastic processes and financial analysis; space and time series modelling; and statistical machine learning
- Interdisciplinary Research: Centre for Energy and Environmental Markets; mathematics and statistics in biosciences

Optometry and Vision Science

Dr Blanka Golebiowski
b.golebiowski@unsw.edu.au
optom.unsw.edu.au

Research Areas

- Anterior segment and contact lenses: Mechanisms and treatment of dry eye; contact lens design and material technology; ocular homeostasis, inflammation, infection and the effect of contact lenses on the defence systems of the eye; epidemiology of contact lens-related infection; orthokeratology; biomarkers in ocular surface and other diseases
- Glaucoma and posterior segment: Corneal and ocular biomechanics in glaucoma; role of the immune system in posterior segment disease; biomarkers in ocular surface and other diseases; neuroscience: cellular structure/function in health and disease; ocular melanoma
- Optics: Applied vision research, applications of holography in vision
- Public Health Optometry: Eye care delivery, development of refractive error, access to eyecare services in New South Wales, occupational optometry
- Vision Science: Development of the visual system, visual function in disease, low vision and visual rehabilitation, visual processing, visual perception in sport, visual psychophysics (form and motion in the visual scene)

Physics

Professor Michael Ashley
m.ashley@unsw.edu.au
physics.unsw.edu.au

Research areas

- Astronomy and astrophysics
- Astrobiology
- Astronomy from Antarctica
- Atomic electronics
- Atomic theory
- Atomic and nuclear clocks
- Biophysics
- Biophotonics and optical sensors
- Brown dwarfs and free-floating planets
- Condensed matter physics
- Electronic devices based on semiconductor nanowires
- Extrasolar planetary science
- High speed quantum devices
- High-temperature superconductivity
- Isotope shifts - quantum electrodynamic effects and relativistic effects in many-electron atoms
- Lyapunov modes and correlation time scales
- Molecular line astrophysics
- Musical acoustics: instruments and performance techniques (includes inter-faculty collaborations)
- Nanophotonics
- Nuclear theory
- Optoelectronics
- Planetary atmospheres
- Quantum computing
- Quantum properties of black holes
- Semiconductor nanostructures
- Semiconductor nanowires
- Silicon quantum electronics
- Star formation and the interstellar medium
- Strongly correlated electron systems
- Structure of biological macromolecules, especially proteins
- Superconducting devices and quantum nanoscience
- Tests of grand unification theories
- Theoretical physics
- Varying constants (cosmology)
- Violation of the fundamental symmetries
- Vocal acoustics: speech and singing

Psychology

Dr Lenny Vartanian
l.vartanian@unsw.edu.au
psy.unsw.edu.au

Research areas

- Associative learning
- Behavioural neuroscience
- Cognitive science
- Developmental psychology
- Forensic psychology
- Health psychology
- Language
- Neuropsychology
- Organisational psychology
- Perception
- Psychological treatments
- Psychopathology
- Psychophysiology
- Social psychology

Research programs

Master of Science (MSc)

Aviation (2905)
Biochemistry & Molecular Genetics (2460)
Biological Science (2040)
Chemistry (2910)
Climate Sciences (2476)
Geography (2040)
Geology (2000)
Materials Science and Engineering (2055)
Materials Science and Engineering (2175)
Mathematics (2920)
Microbiology and Immunology (2490)
Optometry (2900)
Physics (2930)
Psychology (2450)
Vision Science (2487)

Faculty
Science

Estimated first year tuition
A$36,240

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Recognised 4-year Bachelor degree with Honours that includes a substantial research component; or with the consent of the potential supervisor, a qualification or combination of qualifications considered to be equivalent by the Faculty of Science Higher Degree Committee.

Master of Philosophy (MPhil) (Science)

Program code 2475

Faculty
Science

Estimated first year tuition
A$36,240

Program Duration
1.5 to 2 years

Entry
February and July

Entry requirements
Recognised Bachelor degree in the relevant discipline or a qualification considered equivalent from another university or tertiary institution usually at Honours level.

*Eligible students must also meet the specific English language proficiency requirements:
overall 6.5, reading/writing 6.5, speaking/listening 6.5.

Area(s) of Specialisation
- Aviation
- Biochemistry and Molecular Biology
- Biological Science
- Biotechnology
- Chemistry
- Environmental Management
- Materials Science
- Mathematics
- Microbiology and Immunology
- Oceanography
- Optometry
- Physics

Doctor of Philosophy (Research)

Aviation (1900)
Biochemistry & Molecular Genetics (1410)
Biological Science (1435)
Biotechnology and Biomolecular Science (1036)
Chemistry (1870)
Climate Science (1476)
Environmental Management (1425)
Geography (1080)
Geology (1000)
Materials Science and Engineering (1045)
Mathematics (1880)
Microbiology and Immunology (1440)
Optometry (1860)
Physics (1890)
Psychology (1400)
Vision Science (1487)

Faculty
Science

Estimated first year tuition
A$36,240

Program Duration
3 to 4 years

Entry
February and July

Entry requirements
One of the following qualifications:
- A recognised undergraduate degree with Honours 2/1 or equivalent (for example at UNSW, this is graded as distinction level or 75%+), OR;
- A recognised Master by Research degree or equivalent postgraduate qualification that includes a substantial research component written up as an academic thesis, awarded at or above distinction level or equivalent, OR;
- In exceptional circumstances, sufficient evidence of research experience that clearly demonstrates exceptional research skills and the ability to undertake the proposed research program.

*Eligible students must also meet the specific English language proficiency requirements:
overall 6.5 (minimum 6.0 in each subtest), reading/writing 6.5, speaking/listening 6.5.

Doctor of Philosophy / Master of Psychology

Psychology (Clinical) (1404)
Psychology (Forensic) (1405)
Psychology (Organisational) (1406)

Faculty
Science

Estimated first year tuition
A$36,240

Program Duration
4 years

Entry
February and July

Entry requirements
Completion of an Honours Class 1 degree in Psychology from UNSW or from a recognised APAC university, and the availability of adequate supervision and research infrastructure. Referees reports will be sought for applicants who are short-listed, and an interview may be required.

*Eligible students must also meet the specific English language proficiency requirements: overall 7.0, reading/writing 7.0, speaking/listening 7.0.

This degree is not available to overseas students holding an EIPRS or UIPA.

UNSW Canberra
Research areas

School of Humanities and Social Sciences

Associate Professor Craig Stockings
c.stockings@adfa.edu.au
hass.unsw.adfa.edu.au

The School has established research strengths in five scholarly disciplines: English, history, Indonesian studies, international and political studies and applied ethics.

Research areas

- Asia Pacific studies
- Australian literature
- International and non-traditional security
- Applied ethics and leadership
- Modern history and military history

School of Business

Dr Keiran Sharpe
k.sharpe@adfa.edu.au
bus.unsw.adfa.edu.au

Research at the School of Business reflects the wide array of disciplinary backgrounds of its academic staff members, many of whom have achieved international recognition for their research. The School has adopted an interdisciplinary approach essential for the study of business issues in a changing and uncertain world, drawing together work in economics, law, psychology, statistics, accountancy, finance, leadership analysis, history, education and project management.

Research areas

- Fragile states project
- Governance, change and complexity
- Managing operations, knowledge and innovation
- Choice modelling and choice experiments
- Management of performance enhancement
- Logistics

School of Engineering and Information Technology

Associate Professor Matt Garratt
m.garratt@adfa.edu.au
seit.unsw.adfa.edu.au

The School's diverse research interests span the base disciplines of aeronautical engineering, civil engineering,electrical engineering, mechanical engineering, computer science and information technology. The School has established research strengths in a wide variety of application areas.

Research areas

- Air-traffic management
- Acoustics and vibration
- Autonomous vehicles
- Composite materials and structures
- Control theory
- Cyber security
- Complex imaging
- Design, decision and optimisation
- Engineering physics
- Fluid mechanics (including microfluidics)
- Geotechnical engineering
- Impact and dynamics
- Information and communication technologies
- Optimisation and design
- People and technology
- Quantum and opto-electronics engineering
- Space engineering
- Underwater communications
- Unmanned aerial vehicles

School of Physical, Environmental and Mathematical Sciences

Dr Scott Sharpe
s.sharpe@adfa.edu.au
pems.unsw.adfa.edu.au

The School of Physical, Environmental and Mathematical Sciences encompasses the disciplines of chemistry, geography, mathematics and statistics, oceanography and physics.

Research areas

- Applied and industrial mathematics
- Astrophysics
- Coastal catchment science
- Functional materials
- Molecular design
- Biological chemistry
- Chemical physics and physical chemistry
- Environmental systems
- Geographic information science
- Physical oceanography

Research programs

Master of Arts by Research
Program code 2406

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
2 years	February and July

Entry requirements
Recognised Master degree (including a substantial research component) or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

Master of Engineering by Research
Aerospace Engineering (2693)
Civil Engineering (2651)
Electrical Engineering (2663)
Mechanical Engineering (2691)

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520 for UNSW Canberra
Program Duration	**Entry**
2 years	February and July

Entry requirements
Recognised four-year Bachelor degree with honours that includes a substantial research component, or the equivalent.

Master of Philosophy
Aerospace, Civil and Mechanical Engineering (2227)
Business (2226)
Humanities and Social Science (2225)
Information Technology and Electrical Engineering (2228)
Physical, Environmental and Mathematical Science (2229)

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
1.5 years to 2 years	February and July

Entry requirements
Bachelor degree in a related area from UNSW, at a level specified by the Faculty or School, or equivalent qualification from a recognised university or tertiary institution.

Master of Science by Research
Chemistry (2911)
Computer Science (2925)
Geography (2041)
Oceanogrpahy (2042)
Physics (2931)
Mathematics and Statistics (2921)

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
2 years	February and July

Entry requirements
Recognised Master degree (including a substantial research component) or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

Doctor of Information Technology
Program code 1743

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
3 to 4 years	February and July

Entry requirements
Recognised Master degree (including a substantial research component) or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

Doctor of Philosophy
Aerospace Engineering (1663)
Chemistry (1871)
Business (Economics and Management) (1541)
Civil Engineering (1631)
Computer Science (1885)
Electrical Engineering (1643)
English (1201)
Geography (1081)
History (1241)
International and Political Studies (1321)
Mathematics and Statistics (1881)
Mechanical Engineering (1661)
Oceanography (1082)
Physics (1892)
Project Management (1615)
Southeast Asian Social Inquiry (1203)
System Engineering (1620)

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
3 to 4 years	February and July

Entry requirements
Recognised Master degree (with a substantial research component), or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

Doctor of Project Management
Program code 1742

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
3 to 4 years	February and July

Entry requirements
Recognised four-year Bachelor degree (with a substantial research component) with Honours.

Doctor of Systems Engineering
Program code 1741

Faculty	Estimated first year tuition
UNSW Canberra	A$29,520
Program Duration	**Entry**
3 to 4 years	February and July

Entry requirements
Recognised Master degree (including a substantial research component) or a recognised four-year Bachelor degree (with a substantial research component) with first or upper second class honours.

How to apply – postgraduate research

A single application can be made for both admission and main scholarship rounds

1 Check the program entry requirements and find a research area

There are different entry requirements depending on the type of research program you choose to apply for and you will need to meet the minimum eligibility requirements.

- For Doctor of Philosophy (PhD), please visit: research.unsw.edu.au/doctor-philosophy-phd
- For Masters by Research (MRes), please visit: research.unsw.edu.au/master-research
- For Master of Philosophy (MPhil), please visit: research.unsw.edu.au/master-philosophy

UNSW Scholarships are only available to applicants who hold a four year bachelor degree with Honours Class 1 from an Australian institution, or an equivalent research qualification/ experience. This qualification must be in a field relevant to your area of research.

Developing your research area

Before applying for a postgraduate research program, you will need to match your area of interest to one of our Faculties or Schools. The Faculty and School websites provide detailed information on their program offerings. For more information, visit: research.unsw.edu.au/how-apply-enrol-research-degree

2 Find a supervisor and develop a research proposal

To search for a supervisor, visit research.unsw.edu.au/researcher.

You can use the search function here to look for research topics you are interested in, and see who is working in those fields (keep your search terms broad to start with). You can also search your area of interest on the main UNSW website.

Before submitting an application, most Faculties and Schools will require you to independently contact a UNSW researcher and secure their agreement to supervise. Please check your relevant Faculty or School website to determine whether this is required.

Once you have found a supervisor that you want to work with, it is important that you meet, Skype and/or email them before submitting an application. Proof of correspondence with a potential supervisor is required for your application. This proof can be a copy of the email correspondence you have had and must include the researcher's agreement to supervise you.

Developing your research proposal

All applications must be sufficiently detailed to enable the University to determine whether it is possible to provide adequate supervision and resources to support your research. Your research proposal is required for your application. Research proposals should be approximately one page in length and include a title, a statement of the research problem, an outline of your proposed analysis method and details of previous research or publications. Be sure to check with Faculty or School for any specific proposal requirements.

3 Prepare supporting documentation

Required documents may include: your supervisor's agreement, research proposal, résumé, transcripts, English language test results and referees' reports if you are applying for a scholarship. It is important to prepare your documents before starting the application. All documents must be in English or include a certified English translation.

4 Submit your application for admission and scholarship online

To do this, visit: apply.unsw.edu.au

Once you have secured a supervisor, developed a research proposal, and prepared your supporting documents, you are ready to lodge your application. You will be given the opportunity to apply for a scholarship during the online application process. Supporting documents should be uploaded during the online application process.

Application closing dates differ depending on your relevant faculty and whether you are applying for a scholarship – it is important that you check the relevant closing dates as listed at research.unsw.edu.au/how-apply-enrol-research-degree.

For scholarship applications, students are required to have their referees independently complete and email the referee report to international.grs@unsw.edu.au.

5 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.

6 Accept your offer

If your application is successful you will be sent a full or conditional offer. Please ensure you read your offer letter carefully before accepting an offer. Scholarship results will be released separately. To accept your offer, visit: my.unsw.edu.au/

7 Enrol

You will need to collect, complete and get your enrolment form approved by your School Office. Be sure to check your enrolment is correct and that you are enrolled at the start of every semester.

UNSW research program scholarships

Some of our scholarships for postgraduate research programs include:

International Postgraduate Research Scholarship (IPRS)

Funding PhD or Master by Research students across all disciplines, these scholarships cover tuition fees and heath insurance for successful applications and their dependants.

University International Postgraduate Awards (UIPA)

Based on outstanding academic merit and research potential, these awards provide successful applicants undertaking a PhD or Master by Research with a tax-exempt living allowance and covers tuition fees.

Tuition Fee Scholarship (TFS) plus a supervisor/school or faculty funded research stipend

Available to students undertaking a PhD, Master by Research or Master of Philosophy, these scholarships provide successful applicants with a living allowance stipend in addition to covering tuition fees.

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. Some of these scholarships include:

Australia Awards Scholarships

www.australiaawards.gov.au

Home Country Scholarship

research.unsw.edu.au/other-funding-opportunities

Research Applications

Graduate Research School

T: +61 2 9385 5500

E: international.grs@unsw.edu.au

UNSW Canberra Applications

T: +61 2 6268 6006

F: +61 2 6268 8666

E: rsu@adfa.edu.au

Modern campus in desirable Sydney

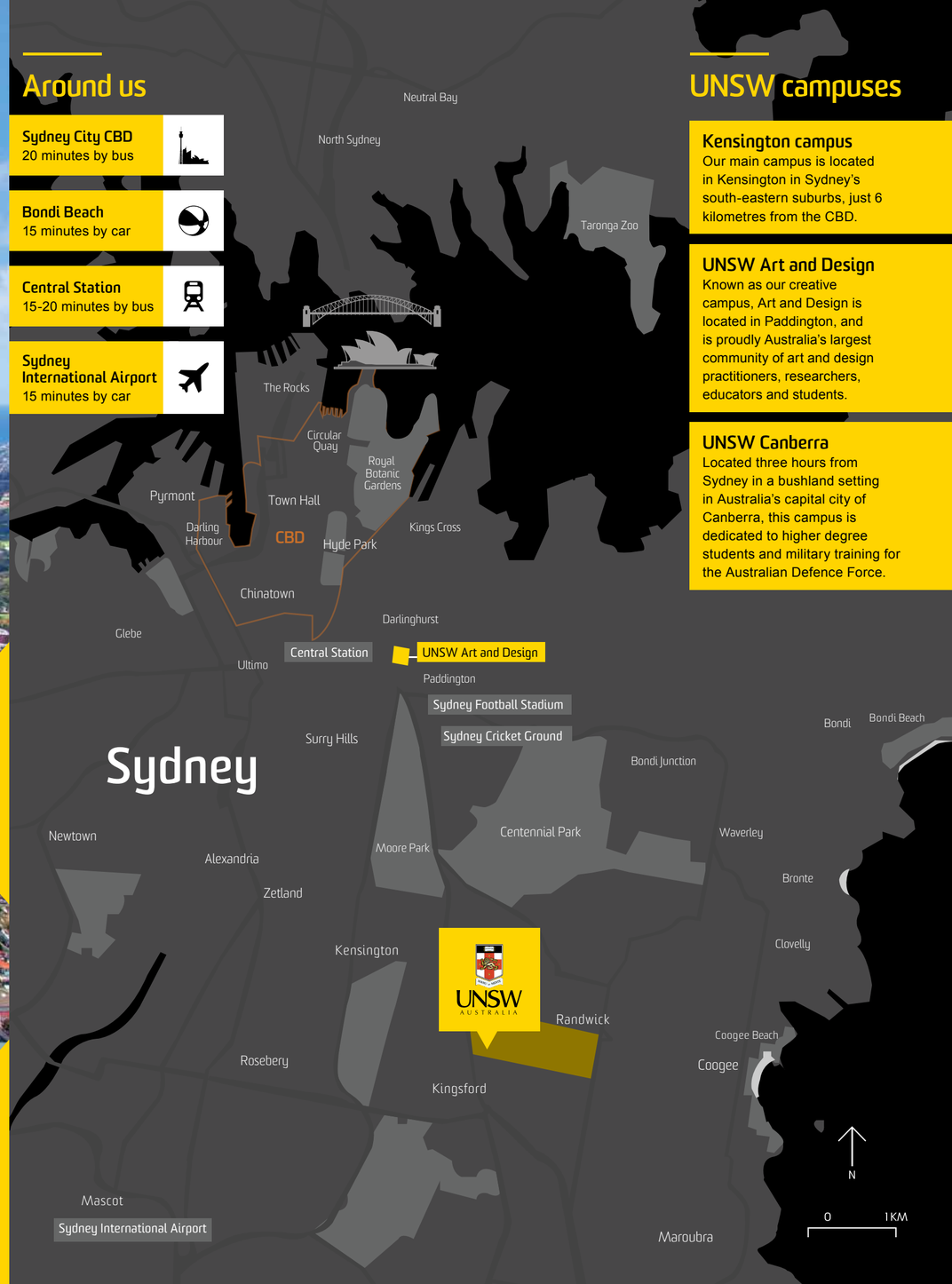
Around us

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 for **research students**

From workshops and short courses to meet-ups and individual consultations, we have a wide range of options to help you improve your skills in research management, thesis writing and public speaking.

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

Entry requirements

To gain entry to UNSW, you'll 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 160 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

To find out the academic entry requirements for your chosen degree, please refer to the relevant coursework program entry in this guide.

Alternatively, the UNSW Admissions Office can help you find out the specific academic entry requirements needed, please contact:
enquiry.unsw.edu.au

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 160
Course Fee: for fee information please see languages.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. Other qualifications and other English tests 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

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

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
I\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

CRICOS PROVIDER CODE: 01020K

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 postgraduate coursework programs

* Indicative fee only.

Faculty	2015 (A$/UOC)	2016 (A$/UOC)*
Arts and Social Sciences	$590	$625
Business School		
All coursework programs except MBA (8350)	$795	$845
MBA (8350)	$790	$835
Built Environment		
All coursework programs except the Master of Architecture (8143)	$645	$685
Master of Architecture (8143)	$720	$765
Art & Design	$595	$630
Engineering	$770	$815
Law		
All coursework programs except Juris Doctor (9150)	$775	$820
Juris Doctor (9150)	$800	$850
Medicine	$815	$865
Science		
All coursework programs except Aviation programs (8738, 5678, 7448)	$735	$780
Aviation programs (8738, 5678, 7448)	$660	$700
UNSW Canberra	$640	$680
Nura Gili	$590	$625

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

Estimates for each program are outlined in the Coursework Program section, starting on page 47. You can also calculate your own expected fees by referring to the relevant table above.

Coursework program fees

A coursework Masters program will require 48 units of credit (UOC) per year, a Graduate Diploma will require 36 or 48 UOC per year, while a Graduate Certificate requires 18 or 24 UOC per semester. Most courses (subjects) are 6 UOC.

A typical postgraduate program will include courses from within the faculty offering the degree. However, if you do choose courses from outside your faculty, they will be charged at the rate set by that faculty. As an example, the course Environmental Impact Assessment wiwll be calculated using the Faculty of Arts and Social Sciences rate, which is A$550 per UOC in 2015.

Tuition fees for postgraduate research programs

* Indicative fee only.

Faculty	2015 (A$/UOC)	2016 (A$/UOC)*
Arts and Social Sciences	$565	$600
Business School	$635	$675
Built Environment	$650	$690
Art & Design	$590	$625
Engineering	$795	$845
Law	$700	$740
Medicine		
Band 1: Master by Research and PhDs in Public Health	$635	$675
Band 2: All other disciplines in Medicine	$815	$865
Science	$755	$800
UNSW Canberra	$615	$650

Research program fees:

The tuition fees listed for research programs are for a standard full-time year of study, which is 48 UOC per year or 24 UOC per semester.

Some research degrees combine coursework with research. In this case, your research tuition fee covers the cost of these courses and you are not required to pay an additional fee.

Graduate diplomas by research are not classified as research degrees and fees are calculated using the value of individual courses undertaken.

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.

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

China – Rachel Wei
T: +86 25 8359 1551
E: rachel.wei@unsw.edu.au

Indonesia – Nur Fatmah Syarbini
T: +62 811 980 964
E: n.syarbini@unsw.edu.au

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E: soonchoo.chua@unsw.edu.au

North America – Ashley Waggener
T: +1 202 577 9216
E: a.waggener@unsw.edu.au

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E: j.zee@unsw.edu.au

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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:

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

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

CRICOS Provider Code: 00098G | ABN: 57 195 873 179

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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

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