I welcome your interest in the University of New South Wales (UNSW) and invite you to consider UNSW as your university of choice for undergraduate study.

UNSW has an active connection with our 220,000 alumni, many of whom hold prominent positions in the professions, commerce, government and academic life in the Asia-Pacific, the USA and beyond.

UNSW is distinctive in that it is the only Australian research intensive university established to teach and conduct leading research in scientific, technological and professional disciplines. This unique focus is modelled on universities such as MIT in the USA and European technical universities.

UNSW has been described as one of the heavyweights of Australian higher education, offering an intense rich tertiary experience. We have a proud tradition of excellence in learning and teaching, having been regularly ranked as the top university in Australia, and being a destination of choice for students with the highest potential irrespective of background. We focus on contemporary and social issues through defined strengths in professional, scientific and technological fields.

UNSW is Australia’s first international university, enrolling significant numbers of international students since 1951, with more than 120 countries now represented and nearly one in every four students coming from overseas. We maintain ongoing relationships with over 200 universities worldwide. We are also Australia’s most cosmopolitan university, with our Australian students coming from diverse backgrounds.

Our foundation disciplines in engineering, science and the built environment were followed by professional disciplines, the humanities and social sciences, business, medicine, law and fine arts. UNSW is extremely focused, with eight faculties in Sydney, and similar discipline offerings in Canberra.

We develop globally focused graduates who are rigorous scholars, capable of leadership and professional practice in the international community. We have strong global connections with business, industry, government and the community. Studying at UNSW will give you a competitive advantage in gaining employment or further academic opportunities, and will provide you with a truly Australian experience.

Please explore the wide range of academic, cultural and recreational activities available at UNSW and we look forward to welcoming you to the UNSW community.

Professor Frederick G Hilmer AO
President and Vice-Chancellor
## Study Areas at UNSW

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The University of New South Wales (UNSW) is a major force in Australian tertiary education and occupies a premier position in the Asia-Pacific region as a dynamic source of innovative teaching and research. Established in 1949, UNSW works closely with industry, business and public research bodies nationally and internationally to ensure programs are relevant to today’s fast-paced and ever-changing world.

Teaching and research are core activities of UNSW and, should you decide to study for your degree with us, you will be joining a university which is:

- committed to providing excellent service and facilities for international students
- ranked 46th in the world in the 2010 QS World University Rankings
- recognised as the top university in Australia for teaching and learning in the latest Australian Federal Government’s Learning and Teaching Performance Fund
- ranked 4th top research-intensive university in Australia based on the Australian Research Council’s Excellence in Research for Australia report
- a member of the prestigious Group of Eight (Go8), leading teaching and research universities in Australia
- a member of Universitas 21, a consortium of the world’s leading research universities from Asia, Europe and North America and consistently ranked in the top 50 universities in the world
- a major recipient of competitive research grants from industry and government bodies such as the Australian Research Council
- ranked in the top band of Australian universities by the Australian Government’s Committee for Quality Assurance in Higher Education
- continually striving to cultivate global alliances to enhance the quality of the educational experience for students and staff
- proud to contribute to Australia and the Asia-Pacific region through research and scholarship
- 5 star ratings achieved in 8 key performance indicators in the 2011 Australian Good Universities Guide
- determined to strengthen UNSW’s position as a leading international university with world-renowned academics and world-class facilities.

Our international students come from over 120 countries and we welcome their contribution to academic and social life at UNSW. Come and join the vibrant intellectual research and cultural hub of UNSW.

Why students select UNSW

The University of New South Wales (UNSW), Australia’s first international university, provides a dynamic learning environment across nine faculties. UNSW is highly recognised internationally and is ranked as the 46th university in the world and 35th in the world for employer satisfaction of graduates.

UNSW prepares graduates for global career opportunities and challenges

The University’s founding motto of ‘Scientia Manu et Mente’ (Knowledge by Hand and Mind) is at the core of today’s dynamic and contemporary institution. UNSW’s drive for innovation and excellence remains the cornerstone of its world-class ranking and reputation.

UNSW aims to attract the best students and provide national and international opportunities for graduates as global citizens of high standard. In today’s professional environment, all graduates benefit from a global outlook. A degree from UNSW is recognised worldwide and, through one of Australia’s largest international exchange programs, we offer opportunities for study in the Asia-Pacific region, North America, Latin America, South Africa and Europe.

Many UNSW graduates have become leaders in government, business, research and industry and our graduates enjoy the highest median starting salaries in Australia*.

*Australian Graduate Survey 2009

Students who select UNSW are seeking:

- top starting salaries
- fast-track career advancement
- a passport to the best jobs in Australia and internationally
- an international study environment
- connections to a vast and influential global alumni network
- a blend of applied and theoretical teaching
- to study in some of the top-ranked faculties in Australia
- an education alongside other highly-motivated students
- lectures taught by some of the leading academics in their field in Australia and also internationally
- an enriching student and cultural experience.
Alumni

UNSW graduates are an integral and vital part of our community and the UNSW Alumni Relations Office offers a range of services and opportunities for you to remain connected with the University.

There are over 220,000 alumni living in more than 130 countries around the world providing an outstanding global network. Many UNSW alumni work throughout the world in prominent positions including in the professions of commerce, government, and academic life. Prominent alumni include CEO of Suntech Power Dr Shi Zhengrong, award-winning animator Phillip To, High Court Judge His Honour Justice Barnabas Fung, founder of Red Med Inc Dr Peter Farrell AM and co-founder of the Octopus Group Elaine Teh.

As an alumnus of UNSW we trust that your relationship with the University continues in a variety of ways, enhancing your personal and professional network, and keeping you informed of developments at the University.

In Australia alumni enjoy special lectures on campus as well as reunions, social and professional events.

There are networks in China, Hong Kong, Malaysia, Singapore, Thailand, Vietnam, the United Kingdom, the United States and Indonesia offering alumni the opportunity to meet other alumni wherever you may be.

UNSW alumni also have access to online communities through UNSWorld Online, Facebook, LinkedIn, Twitter and our own Alumni Community which caters more specifically to the global alumni network. The UNSWorld Online community website provides access to an online directory, job board, discussion groups and profile pages.

Staying connected with UNSW is also a great way to ensure you receive the alumni magazine, UNSWorld, which is published twice a year and is available as an e-magazine.

All alumni are also eligible to receive a lifelong alumni email address and activate a zmail account upon graduation. This is a great way to receive updates, invitations and publications wherever you may be.

For more information on alumni activities and services visit: www.alumni.unsw.edu.au
Sydney

Sydney, Australia’s largest and most dynamic city, is a vibrant and ever-changing urban centre. Ranked as one of the world’s most liveable cities according to The Economist’s Global Liveability Report 2010, Sydney is exciting and cosmopolitan with a lifestyle that has a flavour like no other city in the world.

Located on the south-east coast of Australia, Sydney is the gateway to Australia and home to over four million people. Sydney is also one of the world’s most multicultural cities, where you can experience the food, entertainment and customs of the world’s many cultures. It is the principal port of call for international airlines operating in Australia and offers more entertainment, shopping and sightseeing than any other Australian city.

Frequent major cultural and sporting events, thousands of eateries and restaurants from many different cultures, excellent shopping options, an exciting and diverse nightlife, and weekly markets of all sorts make living in Sydney a truly varied experience.

Friendly People

Australians are typically friendly and easy to get along with. They come from culturally diverse backgrounds that range from Anglo-Saxon and European cultures to Asian, South American, African and Middle Eastern cultures. Partly because of this diverse cultural background, Australians are very accepting of the cultures of others. Indeed, Australians celebrate their differences and enjoy learning about the culture, religions and customs of visitors and their fellow Australians. Currently over 50 per cent of Sydney residents were either born outside Australia or have at least one parent born overseas.

A Mild Climate

There are four seasons in Sydney. Summer is from December to February, Autumn from March to May, Winter from June to August, and Spring from September to November. January and February are the hottest months in Sydney. There is no wet season and rainfall in Sydney is usually spread evenly through the year. Sydney’s winters are mild.

Sydney’s warm and sunny climate lends itself to a healthy outdoor lifestyle. The city is surrounded by pristine sandy beaches, national parks and mountain ranges so you can enjoy swimming, hiking and camping.
UNSW Campuses
UNSW has two campuses in Sydney and also a campus in the capital of Australia, Canberra.
Kensington campus: www.unsw.edu.au
Paddington campus: www.cofa.unsw.edu.au
Canberra campus: www.unsw.adfa.edu.au

Campus Tour: To take a virtual tour of UNSW campuses visit http://studentlife.unsw.edu.au/
**Kensington campus**

The main campus is located at Kensington, an inner south-eastern suburb of Sydney. It is conveniently linked to all the major city transport hubs. It is 15 minutes by bus from Sydney’s main train station, Central Railway Station, in the city and only 15 minutes from Sydney International Airport. It is also easily accessible from the nearby seaside suburbs of Bondi, Bronte, Clovelly, Coogee and Maroubra.

The UNSW Kensington campus could be mistaken for a small city. Aside from providing excellent and modern teaching and research facilities, UNSW offers a myriad of opportunities for recreation and social life. Modern buildings, attractive grounds, extensive sporting and recreational facilities complement the University’s essential quality - our reputation for teaching, research and scholarship.

On the main campus in Kensington there are seven Faculties of study: Arts and Social Sciences, Australian School of Business, Built Environment, Engineering, Law, Medicine, and Science.

**Paddington campus**

COFA is located at Paddington, only minutes from the UNSW main campus and in close proximity to the city’s art galleries and the emerging IT and design hubs of Sydney in Surry Hills and East Sydney. COFA is one of the largest art, design and media schools in Australia, with a reputation to match.

COFA provides first-class student and staff amenities, in particular a specialist library, four computing laboratories, the COFASpace gallery, and the Kudos Gallery which is managed by the COFA Students’ Association.

The COFA campus will be redeveloped over the next two years. At the end of the project, COFA will be home to a world-class art and design gallery, new technology advanced computer laboratories, extensive fine art and design studio spaces, new cafes and landscaped communal grounds.

**Canberra campus**

The UNSW Canberra campus, known as UNSW@ADFA, is located at the Australian Defence Force Academy in Canberra, Australia’s capital city. Undergraduate education for future leaders of the Australian Defence Force is provided on this campus.

UNSW@ADFA also offers opportunities to international students for postgraduate study and research. The campus has the best student-to-teacher ratio among Australian universities and the best academic staff in their respective fields. It is located a few kilometres from Canberra’s city centre and includes a large and comprehensive library, media resources service, and the latest technology and computing facilities.
Arts and Social Sciences

Arts and Social Sciences at UNSW is one of Australia’s leading humanities faculties, with top recognition for teaching and learning, and high rankings internationally.* The Faculty is a vibrant community of scholars where students can discover new ways of thinking about the world, as well as acquiring valuable knowledge and professional skills for the global market.

Arts and Social Sciences is a diverse community, attracting students from over 80 countries. Our programs are designed to respond to the social, cultural, economic and technological challenges which face the rapidly changing world. We provide our 6,000 students with choice, quality and flexibility across the student experience. Areas of study are extremely diverse with degrees across over 30 disciplines, offering the choice of broader or specialist programs. Degree choices include Arts, Criminology, Education (Secondary), International Studies, Media and Communication, Music, Social Science and Social Work.

This year the Faculty launched an addition to our dynamic suite of media degrees which already exist in communications and journalism, media production, and screen and sound. The fourth Bachelor of Media program focuses on public relations and advertising, including the opportunity to complete an industry internship.

Our students are equipped with the ability to think critically and communicate effectively at both a technical and creative level. Internships, exchanges, placements and projects offer valuable opportunities to gain work experience and establish professional contacts, and develop professional skills that add value to theoretical study. Students also benefit from access to excellent resources, teaching by leading academics, and exciting opportunities to gain experience outside the classroom.

Contact
www.arts.unsw.edu.au
T: +61 2 9385 1307
E: studyarts@unsw.edu.au

Degree options and durations

- Bachelor of Arts - 3 years (see areas of study on pages 34 and 35)
- Bachelor of Arts/Bachelor of Education - 4 years
- Bachelor of International Studies - 4 years
- Bachelor of Media in Communication and Journalism - 3 years
- Bachelor of Media in Media Production - 3 years
- Bachelor of Media in Public Relations and Advertising - 3 years
- Bachelor of Media in Screen and Sound - 3 years
- Bachelor of Music - 3 years
- Bachelor of Music/Bachelor of Arts - 4 years
- Bachelor of Music/Bachelor of Education - 4 years
- Bachelor of Social Science - 3 years (see areas of study on page 70)
- Bachelor of Social Science (Criminology) - 3 years
- Bachelor of Social Work - 4 years
- Bachelor of Social Work/Bachelor of Arts - 5 years
- Bachelor of Social Work/Bachelor of Social Science - 5 years

Combined programs also available with Fine Arts, Art Theory, Commerce, Environmental Science, Economics, Engineering, Law and Science

*UNSW is ranked 33rd in the 2010 QS World University Rankings for Social Science.
The Australian School of Business is committed to being one of Australia’s top business schools with many outstanding credentials to support our reputation. We are distinguished by the high calibre of our academics, students and alumni. We lead the way in research performance and in the rankings of our programs. We deliver world-class education to both domestic and international students, and we contribute extensively to business thought leadership.

Our broad range of internationally recognised undergraduate business degrees has been carefully designed for the very best students to suit a wide variety of career aspirations and interests. Our aim is to provide our graduates with the skills, networks, knowledge and know-how to stand out in the crowd and excel in today’s business world. That’s what’s different about studying business at UNSW. That’s what sets us apart from the other universities.

We offer a creative, flexible teaching environment that ensures learning is cutting edge, stimulating and relevant. We will also connect you with some of Australia’s most successful business experts who will support your professional aspirations. The Australian School of Business was ranked number one in the most recent Australian Federal Government’s Learning and Teaching Performance Fund for the third consecutive year.

If you need to fast track your degree, because of an early job offer or for personal reasons, the Australian School of Business offers you the opportunity to study over the summer (from December to February). We equip our students for every type of business career - from investment banker, accountant and business analyst to marketing executive, human resource manager and information systems developer. In fact our graduates are highly sought after by industry and enjoy the highest median starting salaries in Australia for Business and Management, Accounting and Computing and IT.*

Whatever your interests or career aspirations, you are sure to find a stimulating and highly rewarding program at the Australian School of Business.

Contact
www.asb.unsw.edu.au
T: +61 2 9385 3507
E: businessinfo@unsw.edu.au

* 2010 Australian Good Universities Guide

Degree options and durations
- **Bachelor of Commerce** - 3 years (see majors on page 37)
- **Bachelor of Commerce (Liberal Studies)** - 4 years
- **Bachelor Commerce (Services Marketing -Tourism and Hospitality)** - 4 years
- **Bachelor of Economics** - 3 years
- **Bachelor of Information Systems** - 3 years
- **Bachelor of Commerce/Bachelor of Arts** - 4 years
- **Bachelor of Commerce/Bachelor of Economics** - 4 years
- **Bachelor of Commerce/Bachelor of Information Systems** - 4 years
- **Bachelor of Commerce/Bachelor of Laws** - 5 years
- **Bachelor of Commerce/Bachelor of Science** - 4 years
- **Bachelor of Commerce/Bachelor of Science (Advanced Mathematics)** - 5 years
- **Bachelor of Economics/Bachelor of Arts** - 5 years
- **Bachelor of Economics/Bachelor of Laws** - 5 years
- **Bachelor of Engineering/Bachelor of Commerce** - 5.5 years
- **Bachelor of Taxation** - 3 years
UNSW Built Environment offers one of the most comprehensive range of degree programs in Australia. The Faculty has a reputation for academic excellence and is recognised professionally, nationally and internationally.

The Faculty receives strong industry support and our extensive international academic links provide many opportunities for exchange and collaboration. The Faculty’s structure is aimed at encouraging synergy among the disciplines and provides flexibility for students. Our lecturers and professors are well connected to industry and are respected professionals in their chosen field.

Our students represent a dynamic and vibrant community who are given the opportunity to combine the essential disciplines required to design, construct and manage a sustainable world. Students study the local environment and learn with a global perspective. They also have 24-hour access to state-of-the-art design studios, a digital workshop and materials library as well as dedicated workspaces with computing and internet access.

The programs and courses offered by the Faculty are designed to provide an education and a qualification to practice the professions of architecture, construction management and property, industrial design, interior architecture, landscape architecture and planning. Our studio projects are often based on major initiatives affecting the future of Sydney, which enhances an understanding of realistic parameters in the learning process.

At UNSW Built Environment you will discover how we can support and challenge you to become a leader in your chosen career whilst enjoying the lifestyle that only Australia can offer!

Contact
www.fbe.unsw.edu.au
T: +61 2 9385 4799
E: fbe@unsw.edu.au

Degree options and durations
- Bachelor of Architectural Computing - 3 years
- Bachelor of Architectural Studies* - 3 years
- Bachelor of Construction Management and Property - 4 years
- Bachelor of Industrial Design - 4 years
- Bachelor of Interior Architecture - 4 years
- Bachelor of Landscape Architecture - 4 years
- Bachelor of Planning - 5 years (including one year of work experience)
- Bachelor of Planning/Bachelor of Laws - 7 years

* To become a qualified architect, you must study the 2-year Master of Architecture following completion of the Bachelor of Architectural Studies.
As Australia’s premier art, design and media institution, COFA places strong emphasis on integrating course content with professional practice and industry experience in all degrees. Offering undergraduate programs in Fine Arts, Design, Art and Design Education, Art History and Theory, and Digital Media, COFA teaches traditional practical, studio-based courses alongside innovative and cutting-edge courses enabling truly multi-disciplinary study.

With over 300 international students representing nearly 40 countries, enrolled in undergraduate, postgraduate, research and online study, COFA is committed to the development of the individual creative potential of its students. COFA provides students with a deep understanding of studio methods and techniques through studio based practice via small group tuition from recognised artists and designers. With a focus on ‘learning by doing’ COFA staff lead by example - with many having been awarded national competitive research grants on the basis of their studio activities.

COFA students are provided with a wide range of excellent support facilities, including a highly respected specialist art library; easy access computer laboratories and a computing services unit; friendly staff in the COFA Student Centre; a Resource Centre which lends a wide range of equipment to students; and a Digital Print and Copy Unit with skilled staff who can assist in the production of digital prints and document finishing services.

Located in the heart of Paddington, Sydney, COFA is nestled between galleries, design companies and museums. Just a few minutes bus ride from the city and Sydney’s Central Railway Station, the campus resides among the spreading trees close to popular Oxford Street.

COFA also links with numerous galleries, museums, artists’ studios and art and design schools worldwide, which provide vital exchange and study abroad opportunities. Many of our students take the wonderful opportunity to study on exchange at one of our 250 partner institutions located all over the world.

COFA holds regular events showcasing student works, from the Annual International Exhibition to one of the most significant events - the COFA Annual Exhibition, which showcases the ingenuity and creativity of our graduating students.

Our students are also exposed to numerous public seminars, symposiums and dynamic exhibitions: COFASpace, where students can showcase their work and gain gallery experience and KUDOS, established by the COFA Students’ Association to provide students with an accessible gallery space off-campus.

COFA has a high profile and an outstanding success rate with national awards and scholarships won by students and graduates, including the Archibald Prize, the Fulbright Scholarship for the Visual Arts, the Rotary Ambassadorial Scholarship, the Helen Lampriere Art Travelling Scholarship, the Samstag Award and the Lloyd Rees Memorial Youth Art Award.

Contact
www.cofa.unsw.edu.au
T: +61 2 9385 0684
E: cofa@unsw.edu.au

Degree options and durations
- Bachelor of Art Education - 4 years
- Bachelor of Art Theory - 3 years
- Bachelor of Art Theory/Bachelor of Arts - 4 years
- Bachelor of Art Theory/Bachelor of Laws - 5 years
- Bachelor of Art Theory/Bachelor of Social Science - 4 years
- Bachelor of Fine Arts - 3 years
- Bachelor of Fine Arts/Bachelor of Arts - 4 years
- Bachelor of Design - 4 years
- Bachelor of Design/Bachelor of Art Education - 5 years
- Bachelor of Digital Media - 3 years

The COFA Annual: annual graduating student exhibition with works across all disciplines including sculpture, painting, photography, performance, object design, graphic design and animation
Engineering was the founding faculty of UNSW in 1949 and is the major centre for engineering studies and research in Australia. The Faculty is recognised as a top-ranked engineering faculty in Australia and internationally. Continuously achieving high rankings, the Faculty is ranked 42nd in the world in the 2010 QS World University Rankings.

The Faculty of Engineering at UNSW is:

- The largest Engineering faculty in Australia in terms of staff, operating budget, international student numbers, diversity of teaching programs and external grants
- Extensively and closely linked with key industrial, commercial and professional organisations
- Recognised worldwide for its outstanding theoretical and applied research performance across a broad range of engineering disciplines
- Equipped with extensive, well-resourced research laboratories and computing facilities on the main UNSW Kensington campus
- A pioneer in engineering education with an emphasis on design and problem solving and a contemporary research-led curriculum.

The Faculty of Engineering is an exciting place to study, with a few recent highlights including:

- Eureka successes for UNSW Engineering - UNSW Engineering researchers have recorded an outstanding result at the 2008 Australian Museum Eureka Prizes, winning four major awards
- Bionic Eye Consortium - UNSW biomedical engineers have joined in a new partnership with other world-leading Australian research institutes to fast track the development of a bionic eye
- New Photovoltaic world record - UNSW Engineering’s ARC Photovoltaic Centre of Excellence has again asserted its leadership in solar cell technology by reporting the first silicon solar cell to achieve the milestone of 25 per cent efficiency
- UNSW unites on energy challenge - The UNSW Centre for Energy Research and Policy Analysis (CERPA) is a groundbreaking initiative to meet the challenge of fuelling the world’s future. CERPA is the first Australian institute to cover all aspects of energy research – from renewable technologies and sustainable fossil fuel use to markets policy – with the aim of developing multiple solutions to the complex challenges posed by climate change and rising global energy demand.

Contact
www.eng.unsw.edu.au
T: +61 2 9385 6437
e: eng.faculty@unsw.edu.au

Degree options and durations

- Bachelor of Engineering* - 4 years
- Bachelor of Engineering (Civil Engineering with Architecture) - 4 years
- Bachelor of Engineering (Civil)/Bachelor of Engineering (Environmental or Mining) - 5 years
- Bachelor of Engineering/Bachelor of Arts - 5 years
- Bachelor of Engineering/Bachelor of Commerce - 5.5 years
- Bachelor of Engineering/Bachelor of Science - 5 years
- Bachelor of Engineering/Bachelor of Law - 6 years
- Bachelor of Engineering/Master of Biomedical Engineering - 5 years
- Bachelor of Science (Computer Science) - 3 years
- Bachelor of Science (Computer Science)/Bachelor of Arts - 4 years
- Bachelor of Science (Computer Science)/Bachelor of Science - 4 years
- Bachelor of Science (Computer Science)/Bachelor of Digital Media - 4 years
- Bachelor of Science (Computer Science)/Bachelor of Law - 5 years
- Bachelor of Science (Food Science and Technology) - 4 years

* Programs in Aerospace, Chemical, Civil, Electrical, Environmental, Geoinformation Systems, Industrial, Information Technology (includes Bioinformatics, Computer Engineering and Software Engineering), Manufacturing, Materials Science, Mechanical, Mechatronic, Mining, Naval Architecture, Petroleum, Photonics, Photovoltaics and Solar Energy, Renewable Energy, Surveying and Telecommunications
The Faculty of Law at UNSW is one of Australia’s leading law faculties and houses the School of Law and 12 legal research, education and advocacy centres. At undergraduate level, the Faculty offers the combined law degree through the Law School.

Benefits of studying law at UNSW are:

**Top ranking Law faculty in Australia**
In the 2011 Australian Good Universities Guide, UNSW Law School received top ranking across categories including teaching quality, generic skills and overall satisfaction.

**Wide choice of combined law programs**
Students studying combined law at UNSW study both law and a non-law discipline. Law can be combined with the following programs: Arts, Art Theory, Commerce, Economics, Engineering, International Studies, Jurisprudence, Media, Planning, Science, Science (Computer Science), Social Science, Social Science (Criminology), Social Work.

**Practical experience of law**
The Law School offers outstanding opportunities for students to experience law beyond the classroom.

**Clinical Legal Education**
At Kingsford Legal Centre, a community law centre located in the Faculty of Law building on campus, all our students spend some time gaining a real-world understanding of client counselling and legal advising.

**Internships**
We offer a wide range of internship opportunities for students to gain practical experience of the law. The internships, which include opportunities in Social Justice Centres on campus, public interest organisations in Australia and overseas, and journal internships, are elective units which are credited to the student’s law degree.

**Mooting**
In mooting, students work in pairs or sides to argue a mock case before a ‘judge’ in a courtroom and can take part in mooting competitions from their first year.

**Careers – excellent outcomes**
Our graduates are in high demand from employers in all spheres including legal, government, management consulting, corporate and financial.

**Small and medium sized classes**
Students are taught by outstanding academic staff, many of whom are leaders in their field and authors of some of the legal texts studied. Classes are taught in small to medium sized groups rather than large lecture theatres allowing students to engage in debate and discussion in class.

**Outstanding facilities**
The Faculty of Law is located in a new building, purpose built for teaching, learning and researching law. Light-filled atria spaces, open staircases, landscaped courtyards and student meeting places have set a benchmark in Law Faculty design, creating a quality teaching, learning and research environment for our students and staff.

**Contact**
www.law.unsw.edu.au
T: +61 2 9385 2227
E: law@unsw.edu.au

**Degree options and durations**
- Bachelor of Arts/Bachelor of Laws - 5 years
- Bachelor of Art Theory/Bachelor of Laws - 5 years
- Bachelor of Commerce/Bachelor of Laws - 5 years
- Bachelor of Economics/Bachelor of Laws - 5 years
- Bachelor of Engineering/Bachelor of Laws - 6 years
- Bachelor of International Studies/Bachelor of Laws - 6 years
- Bachelor of Jurisprudence/Bachelor of Laws - 5 years
- Bachelor of Media/Bachelor of Laws - 5 years
- Bachelor of Planning/Bachelor of Laws - 7 years
- Bachelor of Science/Bachelor of Laws - 5 years
- Bachelor of Science (Computer Science)/Bachelor of Laws - 5 years
- Bachelor of Social Science (Criminology)/Bachelor of Laws - 5 years
- Bachelor of Social Work/Bachelor of Laws - 6 years
The Faculty of Medicine at UNSW is one of Australia’s largest and most diverse medical faculties. UNSW Medicine enjoys close affiliation with a number of Australia’s finest hospitals, research institutes and health care organisations. An underlying principle at UNSW and especially in the Faculty of Medicine is the link between teaching and research. The Lowy Cancer Research Centre at UNSW, opened in 2009, is the first centre in Australia to bring together childhood and adult cancer research at the one site.

In addition to our world-class research activities, UNSW Medicine delivers many exciting and innovative teaching and research programs to a student body in excess of 2,500.

UNSW Medicine has a strong presence at the Kensington campus. In addition, staff and students are based in teaching hospitals in Sydney and regional and rural areas, especially Albury/Wodonga, Wagga Wagga, Coffs Harbour and Port Macquarie.

The Faculty of Medicine has developed a strong and vigorous academic community. Students have the opportunity to develop knowledge, skills and experience in a wide variety of fields ranging from the health problems of individual patients to matters which are of a most complex technological and scientific nature. A 6-year Bachelor of Medicine/Bachelor of Surgery (MBBS) program and a 4-year Bachelor of Exercise Physiology are offered.

The Faculty’s programs have been developed in accordance with changing concepts in medicine and health sciences and the changing needs and expectations of the community. Graduates must understand the scientific basis of their disciplines and be able to keep abreast of future developments.

It is assumed that students entering the Faculty’s programs are able and willing to direct and accept responsibility for their own learning. In addition, a high level of commitment is necessary to successfully complete our demanding programs.

Contact
www.med.unsw.edu.au
T: +61 2 9385 8765
E: medicine.info@unsw.edu.au
The vision of the Faculty of Science is to lead with cutting-edge research that is competitive in the global marketplace and directed towards enhancing the environmental, physical and social wellbeing of national and global communities.

UNSW graduates have great success in getting jobs and developing careers in all areas of industry, research and business including management, research, policy development, administration and communications.

A science degree broadens your options and ensures you will acquire a skill set that can be applied no matter what field you choose for your future career. Studying science provides you with a foundation of logical, analytical and creative thinking that can be used on a variety of career paths not strictly limited to scientific endeavour.

UNSW is a leader in research and our scientists are among the best in the world in DNA technology, quantum computing, bioengineering, climate change and weather prediction, wildlife management, drug development, cosmology and psychology. We are also developing new medicines and materials, repairing the environment, turning plastic bags into steel - and that’s just the beginning!

With such successful and relevant research and teaching programs, we attract a consistently high level of funding from public, private and industry sources. Our annual research funding income has risen strongly each year. In 2010, researchers in the Faculty won 41 grants worth A$12.9 million in UNSW-led Australian Research Council Discovery Grants to commence in 2011, and eight grants worth A$2.4 million in UNSW-led ARC Linkage Grants.

Within the Faculty of Science, you will have an extraordinary range of options for study with one of the largest number of choices (everything from astronomy to zoology) on offer in any Australian university. Your UNSW science degree will give you a portable professional qualification that is recognised worldwide. Start your first year of study with a broad range of courses, then specialise later. You can also swap between majors or areas of specialisation if you change your mind.

The Bachelor of Science can be combined with minors from other faculties or from within Science. You can also combine the study of science with other areas such as Arts, Commerce, Law, Engineering, Education or Social Sciences.

Contact
www.science.unsw.edu.au
T: +61 2 9385 7788
E: science@unsw.edu.au

Degree options and durations

- Bachelor of Aviation - 3 years
- Bachelor of Engineering (Materials Science and Engineering) - 4 years
- Bachelor of Engineering (Materials Science and Engineering/Bachelor of Engineering (Chemical Engineering)) - 5 years
- Bachelor of Engineering (Materials Science and Engineering/Bachelor of Commerce) - 5.5 years
- Bachelor of Engineering (Materials Science and Engineering)/Master of Biomedical Engineering - 5 years
- Bachelor of Environmental Science - 4 years
- Bachelor of Environmental Science/Bachelor of Arts - 5 years
- Bachelor of Medical Science - 3 years
- Bachelor of Medicinal Chemistry - 4 years
- Bachelor of Optometry/Bachelor of Science - 5 years
- Bachelor of Psychology - 4 years
- Bachelor of Psychological Science - 3 years
- Bachelor of Science - 3 years (see majors on pages 67 and 68)
- Bachelor of Science (Advanced) - 4 years
- Bachelor of Science (Advanced Mathematics) - 4 years
- Bachelor of Science (Advanced Mathematics)/Bachelor of Commerce - 5 years
- Bachelor of Science (Biotechnology) - 4 years
- Bachelor of Science (International) - 4 years
- Bachelor of Science (Nanotechnology) - 4 years
- Bachelor of Science/Bachelor of Arts - 4 years
- Bachelor of Science (Advanced Mathematics)/Bachelor of Arts - 5 years
- Bachelor of Science (Advanced)/Bachelor of Commerce - 5 years
- Bachelor of Science (Advanced)/Bachelor of Social Science - 5 years
- Bachelor of Science/Bachelor of Education - 4 years
- Bachelor of Science/Bachelor of Social Science - 4 years

Combined programs also available with Commerce, Engineering, Law and Music.
Planning your career

What are the steps you might take in thinking about which degree to choose and what career would suit you best? When choosing a course at university it is important to pick one you will enjoy because you will be studying it for at least three years and may be working in a related field for a lot longer.

Steps to planning your career

**Knowing yourself**
Self-awareness is necessary to enable you to identify your strengths, skills, suitable degree/career options and will make you feel more confident in your decisions. A useful resource is *What Colour Is My Parachute* by Richard Bolles.

Ask yourself: What are my values, interests, abilities, skills, knowledge and personality traits? What do I enjoy doing?

**Exploring your options**
Career options can be narrowed down by gaining a realistic understanding of the nature of work. Therefore you need to research the employment market. Useful websites include www.myfuture.edu.au, www.gradsonline.com.au and www.graduatecareers.com.au

Ask yourself: Which industries are relevant to my knowledge, skills and interests? What skills, experience and qualifications do employers require? Who are the major employers in the industry? What jobs are on offer?

**Making decisions**
It can be difficult to decide which degree or which career path to choose. Match your answers to the above questions with potential options. If there is a good correlation it will be easier to make your choice.

Ask yourself: What do I want in a career? What information do I need? What will lead to me achieving my desired outcomes? What might obstruct me?

**Moving on**
To ensure the success of a decision, it is useful to have a plan of action on how you will move on. It can help to talk to people who have done the same degree or job that you are considering to get a realistic picture.

Ask yourself: What will I do? How will I do it? What will this involve? When will I do it by? How will I know when I have achieved these things?

When you have answered the above questions you are more likely to make a choice that is right for you.

UNSW Careers and Employment

If you decide to study at UNSW, the Careers and Employment Office provides a range of services to assist you to develop career management skills and gain employment. All services are provided free of charge and include:

* Careers Online – Job vacancy website (part time, casual, vacation and graduate)
* Careers Development Workshops – daily workshops on job search, career planning, resume and cover letter writing, and interview skills
* Career Advice Appointments – career consultant available to provide assistance with career management issues and job applications
* Career Expos, Employer Information Sessions and Guest Workshops - network with representatives from various organisations and learn more about current opportunities
* International Employment program – links UNSW graduates with international employers.

Specific services for international students include:

* UNSW Professional Development Program – employment skills training and the opportunity to do an internship at the University
* Workshops on preparing for the Australian workplace, how to find part-time and casual work and networking.

www.careers.unsw.edu.au

www.international.unsw.edu.au
UNSW Careers and Employment empowers students with the skills to successfully manage their careers and links employers with students and graduates

www.careers.unsw.edu.au
UNSW students are encouraged to excel. Teaching staff require from their students strong commitment, enthusiastic participation and dedicated study throughout the academic year. Put simply, the aim is to train the best and most well equipped graduates who will be keenly sought after by employers around the world.

Teaching Methods
Teaching methods at university may be different from those commonly used at secondary school. At university 'rote' learning or memorising information is generally considered less important. Students must understand and apply concepts and theories, and be able to critically examine arguments.

In Australia, students are expected to participate in class discussion, and to ask questions if they do not understand. It is not considered bad manners for students to express views different from those of their teachers. Many lecturers and tutors deliberately provoke discussion and argument to shed more light on a subject.

A variety of teaching methods are employed across and within the Faculties. Individual Faculty websites provide more detail on what can be expected when studying at UNSW. A course outline is provided to all students at the beginning of each course. This indicates how the course is to be structured, what the work requirements will be and how the course will be assessed.

Tutors, lecturers and Faculty-based academic advisers are willing to discuss, either in class or individually, any problems students may have in understanding lectures and discussions, writing essays and preparing for exams.

Assessment
Assessment methods vary from program to program and course to course. End-of-year and mid-year examinations are still important in many courses. A student’s progress may be assessed throughout the year by set written work, essays, participation in class discussions, practical work, presentations and short tests (continuous assessment).

In some courses students may be able to choose the means by which their work will be assessed and the relative importance of essays and exams in determining their final marks. Continued progression will depend on results achieved and is considered at the end of each semester by Faculty authorities.

Facilities
Over the last five years, the physical environment of UNSW has undergone significant redevelopment. The campus is continually being upgraded to ensure that the teaching and learning environment is one of the best in Australia. Each Faculty has the responsibility to provide appropriate facilities required for each program and course.

Typical facilities common to all Faculties include lecture theatres, tutorial spaces and computer laboratories. Specialist facilities such as design studios, video production equipment, computer design equipment and studios are provided for design programs offered by the Faculty of Built Environment and the College of Fine Arts. Engineering and Science programs have appropriate laboratory space and equipment. The Faculty of Law has working Legal and Law Centres and the University has a specialist Law Library.

As specific facilities are too many and varied to list in full in this publication please check the relevant Faculty website for a detailed description of the facilities and services provided.

www.facilities.unsw.edu.au

The Library
The UNSW Library is one of Australia’s leading university libraries. The Library’s collection is available in three locations: Main Library and Freehills Law Library, Kensington campus, and the COFA (College of Fine Arts) Library, Paddington. The collection contains approximately 2.7 million items and subscribes to over 42,000 e-journal titles and 100,000 e-book titles. Students at both undergraduate and postgraduate levels benefit from flexible access to a range of resources and tailored services, including customised consultations. The Library provides a modern and vibrant study environment including technology-enabled group study rooms and media booths, dedicated postgraduate spaces, and informal reading and lounge areas. Support services are provided for users with disabilities.

www.library.unsw.edu.au

The Learning Centre
The Learning Centre provides a wide range of academic support services to UNSW students. Assistance includes: academic skills workshops, academic English workshops, individual consultations, online study guides, and discipline-based learning and language programs. All programs are free of charge and individual consultations are completely confidential.

www.lc.unsw.edu.au

Counselling and Psychological Services (CAPS)
CAPS provides free and confidential psychologically focused strategies to UNSW students. UNSW counsellors are registered psychologists, with many years of experience, who understand the needs of students enrolled in higher education. The service assists international students to adapt more easily to cultural and educational differences, to strive to achieve their personal best whilst at UNSW and to enhance general confidence in life and career experiences. CAPS also provides services that enhance the well-being of students and treatment for mental health and psychological issues.

www.counselling.unsw.edu.au

Study Options
There are various ways students can study at UNSW. Most international students want to complete a degree. This guide provides details about the undergraduate degree programs offered by UNSW. For a brief introduction to postgraduate studies (coursework and research) at UNSW see page 72.
Semester Study Options

Student Exchange Program: UNSW international undergraduate and postgraduate students are actively encouraged to spend one semester or one year studying overseas at a partner university. Choose from over 200 partners in over 32 countries and receive credit for your studies. We also warmly welcome students from our partner institutions.

Global Education Opportunities: UNSW has an exciting range of Global Education programs for students to participate in one of 40 countries across Asia, North America, Europe and South America. Participation in these programs enables you to enhance your career opportunities both in Australia and around the world.

www.international.unsw.edu.au

Other Global Education Opportunities

In addition to formal Student Exchange programs there are other international education opportunities that you can choose from. If you want to experience a different culture, gain credit for your overseas study, make international connections and build important global networks consider some of these opportunities. Experiences range from:

Practicum exchange: Ideal for short-term research internships at one of our partner institutions for honours or postgraduate students.

International internships: Gain work experience either locally or overseas in an international company in your field of study.

International volunteering: Volunteering abroad is the perfect way to immerse yourself in new cultures, meet new people and to make a difference. Prospective employers value the skills you acquire, as you demonstrate that you have interests, aptitudes and personal skills beyond your studies.

International short courses: Take advantage of the short courses offered at our partner universities during your summer or winter break.

www.international.unsw.edu.au

Study Abroad Program

Students who have successfully completed at least two years of study towards a degree at an accredited university outside of Australia can apply to study at UNSW for one or twosemesters on the Study Abroad Program. Students can use UNSW credit towards their studies at their home institutions. The Study Abroad Office also offers intensive short courses taught over six weeks in June and July.

www.studyabroad.unsw.edu.au

Summer Down Under Program

The new Summer Down Under program offers undergraduate students in their transition from secondary education to tertiary education (or GAP year) the opportunity to sample a variety courses taught during the summer semester of 2011/2012 (November 2011 to January 2012) at UNSW. Studying alongside current UNSW students you may choose courses from a selection of disciplines (including Arts, Business, Design, Engineering, Law and Sciences). You will also gain valuable insight into university life and the opportunity to experience some of the wonderful cultural events that Sydney offers during the Australian summer. This is a non-award program however some students may be able to gain recognition at their home institution. The Summer Down Under package includes on-campus accommodation, an orientation session and UNSW courses up to 12 units of credit. For further details contact: internationaloffice@unsw.edu.au

Medical Clerkships

UNSW offers medical clerkships through clinical schools to non-UNSW medical students. Clerkships are from four to eight weeks duration.

www.med.unsw.edu.au/medweb.nsf/page/Clerkships

Preparation Study Options

UNSW Foundation Studies: UNSW offers academic preparation programs designed as an alternative pathway for students to meet the requirements for direct entry to undergraduate study at UNSW. See pages 22 and 76 for more information.

UNSW Institute of Languages: Offers English language preparation programs designed for students to meet the English requirements for entry to UNSW. See page 75 for further details.

Robert Andrade, 21
Bachelor of Arts - International Relations major

Brazilian student Roberta Andrade wants to save the world and the University of New South Wales, and soccer, can help. The 21-year-old Arts student from São Paulo wants to fight poverty at home in Brazil and sees her major in International Relations in her Bachelor of Arts program as the important first step.

She’s also a champion soccer player and believes international sport can be harnessed as a force for good. “I want to save the world,” she says, her motivation stemming from the environmental damage and the dire poverty she has seen in Brazil. “It hurts when you see people destroying the Amazon, displacing animals and then treating them badly.”

However, of even greater concern to her is the level of poverty in Brazil: “When I came to Australia and experienced life here, I realised how pronounced poverty is in Brazil and I want to do all I can to help.”

For Roberta the Bachelor of Arts program is ideal, because it offers such a wide range of courses. She’s especially happy with the opportunity to study the Asia-Pacific region and Australia, which are not focused on in South America. “You can be anything you want and I know that my degree will open many doors for me,” she says. Roberta is interested in diplomacy and international law and would ideally like to work for the United Nations in poverty alleviation.

Like most Brazilians, Roberta loves soccer, and won a position on the UNSW women’s soccer team to represent UNSW at the Australian University Games.

“The Uni Games were such a great experience. They were lots of fun and it was a good opportunity to meet other students interested in sports,” she says.

Roberta has adjusted smoothly to life in her newly adopted city of Sydney. What she loves most about Sydney is the chance to live so close to nature and the bush. She says coming to Australia has been a long term dream, and her parents decided to let her go on the condition she studied while she was away. “I love living in Sydney and going to UNSW. It was hard at first but my best friend has helped me to settle into my new life in Australia and now I feel at home,” she says. So much so, she’s already planning to go onto a Master degree in International Relations, and possibly even a PhD, to better prepare herself for her campaign against poverty in Brazil.
Admission requirements and pathways

Entry into programs offered by UNSW is highly competitive. Admission is based on academic merit and all applicants must provide evidence that they have the potential for university study.

Applicants must hold qualifications that are acceptable to UNSW for admission. As a minimum, undergraduate applicants must have a qualification considered to be equivalent to a Year 12 qualification (completion of high school) in Australia. Some assessable qualifications are listed on page 23.

Alternative Pathways
Aside from approved high school qualifications, UNSW will also consider a range of other academic qualifications for entry into our undergraduate programs.

UNSW Foundation Studies
Students seeking an alternative pathway for entry to UNSW undergraduate programs may qualify for a UNSW Foundation Studies program. Foundation Studies is offered at the Kensington campus and is of 9 to 12 months duration. Students completing Foundation Studies, in the appropriate academic stream for the program they wish to study at UNSW, and who achieve the grade point average and English language result required for entry into the UNSW program will qualify for a place in that program.

Note: For some programs students must meet additional entry requirements. For example, MBBS applicants will also be required to complete a UMAT test (Australian and New Zealand based applicants only) and interview.

www.ufs.unsw.edu.au (See page 76 for further details)

College, Polytechnic and TAFE Diplomas
Applicants who have graduated with diplomas from recognised institutions will be considered for entry. Entry will be based on academic achievement during their diploma studies. In most cases, other than when applying for advanced standing, the specialisation of the diploma will not be considered in the assessment process. Recognised Australian diplomas and private colleges are VETAB (Vocational Education and Training Accreditation Board) and/or AQF (Australian Qualifications Framework) accredited. If you intend to use a diploma as a pathway to UNSW please confirm accreditation with the college before committing to a study program or contact the UNSW Direct Admissions Office (refer to the Applying to Study at UNSW section on page 88).

University Transfers
UNSW will also consider applications from students who have completed at least one year of a Bachelor degree at a recognised university. Entry will be based on academic results achieved during these studies. In most cases, other than when applying for advanced standing, the specialisation of the degree will not be considered in the assessment process. Some Faculties will also consider final year high school qualifications of applicants applying with results from one year of university study. Contact the UNSW Direct Admissions Office if you wish to confirm whether your university studies will be recognised.
Accepted qualifications

<table>
<thead>
<tr>
<th>Country</th>
<th>Accepted Qualifications</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Africa</td>
<td>B D H</td>
<td>Minimum of two GCE A level or West African A-level subjects at one sitting</td>
</tr>
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<td>Argentina</td>
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<td>Completion of the Higher School Certificate Entry based on state ranking index such as ATAR and TER etc. Refer to UNSW Admissions rank column on pages 24-25 for indicative grades</td>
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<td>Minimum of six UPP subjects or Canadian Matriculation, or other provincial equivalents</td>
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<td>Applicants with completed degrees should provide certified proof of completion including National Emblem, certificate number and accreditation of the degree</td>
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<td>Completion of the European Baccalaureate</td>
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<td>B D H</td>
<td>Completion of the Fijian 7th Form Certificate</td>
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<td>The best four academic subjects from the All India Senior Secondary School Certificate or completion of the Indian School Certificate (Grade 12)</td>
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<td>Completion of the Israel Teudat Bagrut</td>
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<td>Israel</td>
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<td>Completion of the Italian High School Diploma</td>
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<td>Minimum of two academic STPM ‘principal’ level subjects at one sitting or Malaysian Matriculation Certificate (from the year 2000 onwards)</td>
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<td>Saudi Arabia</td>
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<td>Minimum of three GCE A level, minimum of three H2 and consideration given to H1 subject other than those from previous academic year</td>
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<td>SAT1 (Math, Verbal and Critical Writing) or ACTs, and provide proof of completion of final year of high school</td>
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The qualifications listed on this page will be considered for entry into undergraduate programs. Students are assessed on actual results achieved and not simply on completion of their qualification. Applicants who hold one or more of their qualifications listed are not guaranteed admission. Contact the UNSW Direct Admissions Office (T: +61 2 9385 3656) for further details. If you have completed a qualification not listed below please contact the UNSW Direct Admissions Office.

Other Accepted Qualifications

Foundation Year Programs
Foundation programs of all Australian Group of Eight universities are recognised. In addition to achieving the required grade point average (GPA) and English language cut off, students must meet additional requirements for entry into some programs.

GCE A Levels
Minimum of two GCE A-level subjects at one sitting and maximum of two AS subjects.

International Baccalaureate
Completion of the International Baccalaureate Diploma.

SAT
Math, Verbal and Critical Writing (SAT1) and proof of completion of final year of high school.

Key
| B | Completion of the first year of a recognised university Bachelor degree |
| B4 | Completion of the first year of a 4-year Bachelor degree at a recognised university, otherwise a completed 2-3 year Bachelor degree |
| D | Completion of a recognised college or polytechnic diploma |
| H | Completion of a recognised high school qualification |

www.international.unsw.edu.au
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<tr>
<th>Faculty of Arts and Social Sciences</th>
<th>ATAR</th>
<th>UNSW UFS</th>
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**Please see over the page for key and important notes for this table.**

25
Entry guide key and notes

The Direct Entry Guide table on the previous page is a guide only and actual entry points may be higher or lower than those indicated. In all cases admission will be determined upon the receipt of an application. The University reserves the right to vary entry requirements to those published without further notice.

Entry Guide Key

- A number of combined degrees exist. Refer to the Program Information section for details. Admission is determined at the higher entry requirement of the two programs.

- Some programs require the approval of the Program Authority and may have additional selection criteria. For further details refer to the School website listed in the Program Information section. Scores indicated are minimum guides only.

- Applicants who are required to apply through the Universities Admissions Centre (UAC) and are applying for admission to Engineering may be eligible for the Faculty of Engineering Admissions Scheme. For more information please see www.eng.unsw.edu.au/feasc/index.htm

- Special program notes

  - Aviation (Flying)
    All applicants are to submit an internal departmental application form, Class 1 medical certificate from a designated aviation medical centre and flight aptitude testing. This program has an earlier semester commencement.

  - Civil Engineering with Architecture
    Limited places only for international applicants. While offers will be made progressively upon receipt of application, applicants should be aware of minimum entrance scores and only apply for this program and early submission of application is recommended.

  - Commerce (Services Marketing - Tourism and Hospitality)
    Applicants must complete an online questionnaire, address the selection criteria and upload additional supporting documentation. For details see www.asb.unsw.edu.au/serv

  - Medical Science
    Limited places only for international applicants.

  - Music programs
    Selection based on academic performance and audition and/or interview. Applicants should include a 5 to 10 minute performance DVD/video.

MBBS

Australian and New Zealand based applicants are required to sit UMAT. Applicants must also submit an online registration form available from www.med.unsw.edu.au and read the faculty admissions information carefully. Some applicants will also be interviewed.

Optometry

Limited places only for international applicants. UMAT required for those residing in countries where it is available - currently this includes Australia, New Zealand, Singapore and the United Kingdom.

Taxation

Only available through distance mode or for resident visa holders in Australia.

Honours programs

A number of options are available. For further details refer to the School website listed in the Program Information section.

Program Information

- Australian ATAR entry requirements are indicative only and are provided as a guide to prospective students applying through the Universities Admissions Centre (UAC) at www.uac.edu.au. Actual entry requirements will be finalised in late 2011. UNSW recognises academic achievement in a range of subjects and will allocate bonus points towards the calculation of ATAR score for most programs. For more information visit www.unsw.edu.au/futureStudents/undergrad/ced/HSCPlus.html

- UFS entry requirements will be confirmed prior to the commencement of UNSW study and at the time of printing were still subject to confirmation from some academic areas.

- GCE A Levels
  Entry requirements can vary depending upon the number of A-level and AS subjects chosen. Assessment is based on a minimum of two full A-level (A2) subjects in the same academic year. AS level subjects (maximum two) may be included in the total aggregate must be contrasting to those for the A-level subjects. Scores indicated in the table are based on three A-level subjects where A=5, B=4, C=3, D=2, E=1. AS subjects have half the notional value of AL subjects.

- Singapore A Levels
  Entry requirements vary depending upon the number of A-level H1 and H2 subjects chosen. Table based on H2 where A=5, B=4, C=3, D=2, E=1. H1 subjects have half the notional value of H2 subjects. H3 subjects are not considered for assessment.

- Hong Kong A Levels
  Assessment of scores is based on all A-level subjects. Entry requirements vary depending upon the number of AL and AS subjects chosen. Scores indicated in the table are based on three 3 A-levels where A=5, B=4, C=3, D=2 and E=1. AS subjects have half the notional value of AL subjects.

- Hong Kong DSE
  Based on total points achieved from best 5 subjects form category A and category C, where the subject level of 1 is equal to 1 point up to 5 points for the level of 5, 5* and 5**. Calculation of total points may vary depending upon the Maths subject(s) completed.

- International Baccalaureate (IB)
  Results based on scores required for entry into UNSW in 2011 and only applicable if Diploma has been completed. Students currently attempting the IB must apply through the Universities Admissions Centre (UAC). For more details, visit www.uac.edu.au

- Malaysian STPM
  Entry requirements can vary depending upon the number of AL subjects chosen. Table based on four A-level subjects where As=7, A/=6, B+=5, B=4, B-=3, C+=2, C=1.

- Canadian OSSD
  Ontario Secondary School Diploma based on overall average score including six University Preparation Courses or University/College Preparation Courses.

- All India Senior School Certificate
  Based on best 3 A-level subjects where A=5, B=4, C=3, S=1.

- SAT1
  Scholastic Aptitude Test (SAT) based on the total of critical reading, mathematics and writing test scores. Must be provided in conjunction with evidence of successful completion of equivalent Australian Year 12 secondary studies.

- South African National Senior Certificate
  Based on overall average including all NSC subjects. Students must have been awarded the NSC and met the minimum requirements for admission to higher education in South Africa.

- Forecast or Predicted results
  For A Levels (not Hong Kong) and the IB will be considered, except for MBBS and Law. These must be printed on official school letterhead and include the institutional stamp and signature of the Principal, Registrar or Academic Director. Results should be dated after 1 January (A Levels and IB) for entry in second semester, and after 1 September (A Levels) for March entry. Applicants who meet the entry requirement with predicted results will be given a full offer. Applicants will be required to submit final results and proof of completion when available.


- Includes Bioinformatics, Chemical, Computer, Electrical, Mechanical, Mechatronic, Software, Telecommunications.

UNSW Library Lawn
Located on the Kensington campus, the UNSW main library is one of Australia’s leading university libraries housing over 2.7 million items.
www.library.unsw.edu.au
What can I study at UNSW?

At UNSW, you can choose from 130 areas of study – anything from accounting to medicine to zoology. Whatever your interests, whatever your passion, whatever your academic level there is a course for you.

On the following pages you will find information about all UNSW undergraduate programs currently offered to international students. This information is intended as a guide only. Extensive website references have been provided for the relevant Faculties and Schools and can also be found in the University Online Handbook. We recommend that further program and course details are checked online before a final decision regarding program choice is made.

www.handbook.unsw.edu.au

Full-time study

If you are studying on a student visa it is a requirement that you progress your studies satisfactorily at normal rate (full-time) to ensure completion within the specified duration of your student visa. UNSW defines normal full-time enrolment as 18 to 24 units of credit (UOC) per semester. You are encouraged to enrol in 24 UOC per semester to ensure standard progression and completion of your program within the duration as stated in your Confirmation of Enrolment (CoE).

If your study load is less than a 24 UOC full-time load you may risk not completing your program within the expected duration as specified on your CoE. In this situation, you may need to catch up by either studying courses during a non- compulsory study period, or by undertaking additional subjects in compulsory study periods (that is, enrolling in more than 24 UOC) to compensate.

Pass and honours degree

As a general rule a three-year degree, such as the Bachelor of Arts, is referred to as a pass degree. To gain an honours degree outstanding students in their final year of study will be invited to complete a fourth year, which requires the completion of a major research project. Students completing a degree of four or more years’ duration, such as the Bachelor of Engineering, will be awarded honours based on outstanding achievement, completion of honours level courses and research projects, or a combination of these.

Assumed knowledge

For some degree programs and first-year courses it is assumed that students, during the last year of their high school studies or equivalent, will have achieved a level of knowledge of the subject area that is considered desirable for successful university-level study.

Semester 2 entry

Many programs can be started in Semester 2. Because of timetable and prerequisite restrictions it may mean the initial order of courses is different than if commencing in Semester 1 and it may not be possible to complete in minimum time. In some cases, for example, a student commencing a Science degree in Semester 2 may be required to commence their studies in Semester 2 even for programs which do not usually offer Semester 2 entry. If you have any questions about Semester 2 entry please contact the relevant Faculty for further details.

Internships and professional placements

Some UNSW programs require students to spend some time during their degree on professional placements or internships. The definition of what this entails will differ from Faculty to Faculty. It should also be noted that although the Faculty will assist students, where possible, to find suitable placements these are not guaranteed. We recommend students interested in such programs and wanting to know more about professional placements and internships contact the Faculty or relevant School directly to confirm details.

Changes to programs in 2012

UNSW will be reviewing all undergraduate programs in 2011 with a view to simplifying program structures and enhancing academic coherence. This will improve program quality, strengthen academic advisement and enable students to better understand program and course requirements. Prospective students in 2012 will be informed of substantive program changes (if any).
Interdisciplinary studies

Interdisciplinary studies offer many advantages. Employers increasingly value graduates with in-depth skills and knowledge in more than one subject area. They allow you flexibility – perhaps you are not sure which of two different subject areas you wish to study. They also add variety to your period of study – four years of one major can be hard work for some students.

There are several ways in which you can build an interdisciplinary aspect into your studies at UNSW.

Double major vs single major
For some programs, such as the Bachelor of Commerce or the Bachelor of Arts, it is possible to complete a double major. The structure of the program changes slightly but the duration of the program is the same as the single major degree. In some cases the second major can be from another Faculty. For example, students completing a Bachelor of Arts can complete a second major in Mathematics, which is offered by the Faculty of Science. Double majors are not possible when enrolled in a combined program.

Combined programs
A program of study that results in the completion of two degree awards. Though these are completed in less time than if the two degrees were studied separately, the duration of most combined programs is significantly more than that of a single pass or honours degree. As an example there is a combined Bachelor of Art Theory and Bachelor of Laws program. This combination would suit a person interested in the area of copyright law, perhaps representing the interests of artists. If you are interested in the human psychology behind marketing then you could complete a marketing major within the Bachelor of Commerce degree combined with a psychology major in the Bachelor of Science degree.

Fast track programs
Students who are enrolled in approved four-year bachelor degree programs and have completed their third year of study may apply for entry to an approved master degree program. The structure of the program will allow a reduction in total study time required, usually reducing the normal completion time by one semester.

Concurrent programs
Concurrent programs are undergraduate diplomas studied part time while completing a full-time degree. Students usually apply after completing a period of their bachelor degree program. At UNSW there are currently three such programs. They are the Diploma in Languages (page 60) and the Diploma in Music (page 65). Their completion will result in a longer overall period of study, additional fees and the need to extend the original student visa.

Sarah van de Klundert, 26
Bachelor of Commerce/Bachelor of Science
I thought UNSW was great from the moment I set foot on the campus from the main section, coming off Anzac Parade. The buildings were shiny and the lawns green. Being an international student I had never seen a proper campus before and I was immediately impressed. Five years later I am coming to the end of my studies at UNSW, the university which has opened the doors to the big scary world.

I started out as a Commerce student but discovered quickly that pure business was not what I wanted to do. For an additional year at university I could enrol in a combined Commerce/Science program allowing me to continue doing finance, but also adding psychology for my own interest. Most people thought it was an odd thing to be doing finance and psychology combined, but I realise now more than ever that I could not have chosen a better combination. The finance part of my degree has given me the business edge whereas psychology has allowed me to develop my research and critical analysis skills. The combination of the two has helped me grow confident in my academic abilities and also interpersonal skills.

When I step through those doors I can choose to follow one of many paths. I am a convert of Science, a lover of Psychology and extremely business minded.
Tuition fees and other study costs

Undergraduate tuition fees

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<td>725</td>
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Tuition fees

Tuition fees for international students at UNSW are set at course (subject) level rather than at program level as is the case at most other Australian universities. The fees for courses reflect the relative cost of providing each type of course. As an example, Business and Science courses are more costly to provide than a course offered by the Faculty of Arts and Social Sciences. This means that your tuition fees will reflect your choice of courses. Sometimes courses selected will be from outside your own Faculty. Your tuition fees will reflect this flexibility. As an example, if a Business student decides to complete one or two Arts courses during his or her degree then that student will not have to pay the higher Australian School of Business fees for those courses.

Tuition fees listed above are for students commencing their studies in 2011. Fees listed for the years 2012 through to 2016 are indicative only. Actual fees for 2012 are due to be released in 2011 and will be available at the following link:

https://my.unsw.edu.au/student/fees/TuitionFees.html (case sensitive)

Within a course-based fee system it is not possible to give a fixed annual fee for each program as this will vary from student to student depending on their actual enrolment. However, it is possible to estimate annual fees and project the full program fee. Such estimates can be found for each program offered by UNSW in the Program Information section starting from page 34. You can also calculate your own expected fees as in the example table on the following page, in this case, a student completing a Bachelor of Arts majoring in Philosophy and Psychology. A standard full-time program of study will be 48 units of credit (UOC) per year (24 per semester). Most courses (subjects) are 6 UOC. General Education course fees are set at the faculty rate from where the course is studied, for example, the fee for GENT0803 – Introduction to Australian Cinema will be calculated using the Faculty of Arts and Social Sciences rate. For information on program structure, courses and the regulations determining each degree refer to the UNSW Online Handbook.

www.handbook.unsw.edu.au

Fees paid for each year of a study program will be calculated on the basis of that year’s current fee. For students entering Semester 2 (July) the fees for their first semester studies will be calculated at the rate applicable for that year. In Semester 1 of the following year fees will reflect the rates for the new academic year.

If you have an offer to study at UNSW and defer the start date into the new calendar year then the fees will be set at the current fee rates for the year you commence your studies.

Note: If you are required to complete a course again, you will be required to pay for it at the current rate.

Other study-related costs

In addition to tuition fees some programs and courses have additional associated costs such as laboratory kits, field trip expenses and equipment costs. The likely costs students will incur each year when studying at UNSW have been estimated. Of these costs, any that are compulsory have been calculated into the total program fee listed in the Program Information section starting on page 34. Any significant costs are highlighted where applicable.

Though textbooks are not considered a compulsory cost, it is wise to budget about A$1,000 per year for this purchase.

Note: The total estimated costs (tuition plus other study-related costs) will be shown on your Confirmation of Enrolment Form (CoE) which will be issued on acceptance of an offer of admission to UNSW.

Living costs

The University estimates that a single international student requires approximately A$20,000 to cover living expenses in each year of study. This amount would include accommodation costs, food and other daily living expenses. However, students should have at least A$2,000 when first arriving in Sydney to cover the initial establishment expenses such as rental bond payment and to purchase basic furniture items. See page 80 for further information on living costs.

Overseas Student Health Cover (OSHC)

If studying on a student visa you will be required to have OSHC. UNSW expects and it is a condition of your student visa that you take out health insurance for the program length of your visa. The cost of this depends on the provider you choose and the length of the program you are studying. UNSW’s preferred health cover provider is Worldcare. For more information please see page 79.

When to pay your fees

If you receive an offer letter from the University the letter will contain instructions on how to accept the offer. Only after enrolling will you pay your tuition fees for your first semester less the tuition fee deposit. Payment is usually due one week after the start of semester. The fees...
for each subsequent semester will be due after you have confirmed enrolment at the beginning of that semester. Please carefully read the information in your welcome pack.

Note: If you are under 18 years of age, your parent/legal guardian will be required to read this information.

Refund of fees and overpayments

All fees paid less A$500 administration charge will be refunded upon request to students withdrawing before enrolment. The University may decide to waive the A$500 charge in cases where the applicant has not been granted a visa or is unable to attend because of illness. OSHC will be refunded if the money has not yet been sent by the University to its recommended provider. If the money has been sent to the recommended provider, the student will need to apply for the OSHC refund from the recommended provider directly.

All fees paid will be refunded upon written request less A$1,000 administrative charge to students who withdraw after enrolment but before the census date. This may change subject to government legislation.

In cases where a student withdraws after census date no refund of fees will be made for that semester. Any fees paid in advance for following semesters would be refunded in full.

The University does not recommend fees overpayment. Overpayments made when accepting an offer or when paying tuition fees will only be returned in the case of a student withdrawing from his or her studies less any administrative charges which may apply. For students continuing their studies any overpaid monies will be held (without interest payment) by the University for payment towards their next semester fees. Refunds will only be made in Australian dollars. A full version of the UNSW Fees Policy can be found at:

https://my.unsw.edu.au/student/fees/FeePolicyInternational.html

Scholarships

UNSW offers a range of scholarships for undergraduate study that international students can apply for. Information about these can be found on UNSW Scholarships website. All scholarships for study at UNSW are extremely competitive. Students applying for a scholarship must also submit a separate application for admission to UNSW and should have a satisfactory English language test result available at the time of application.

Undergraduate scholarships available specifically to international students include:

- **Golden Jubilee Scholarships** - Acknowledging the close collaboration between UNSW and selected polytechnics in Singapore and Malaysia these scholarships recognise the most outstanding students from each of the participating institutions. Successful applicants will receive a full tuition scholarship up to 96 units of credit (two years) to continue their studies at degree level at UNSW.

- **UNSW Hong Kong Alumni Award** - Valued at A$4,000 for one year this scholarship was established to assist residents of Hong Kong who aspire to contribute to the betterment of society without particular regard for their own personal or commercial gain.

A small number of Australian Development Scholarships (ADS) funded by AusAID, the Australian Agency for International Development, are awarded to undergraduate international students. Only students from certain countries are eligible to apply. For further details, visit:

www.ausaid.gov.au

Information about other scholarships for study at institutions such as UNSW may also be obtained from your home government or university, or the Australian Diplomatic Mission in your country. Publications such as Study Abroad, produced by UNESCO, may also provide valuable study and scholarship information.

www.scholarships.unsw.edu.au

Financial aid programs

UNSW is authorised to assist approved citizens of the United States (US) and Canada in extending their national student loans programs to cover tuition fees and other related expenses for UNSW programs. If you are a US or Canadian citizen and are eligible for such support please contact the UNSW International Financial Aid Office for assistance and advice on how to apply and process loan applications.

The UNSW Financial Aid Office may also be able to assist UNSW students with applications for education-related private loans.

For full information regarding UNSW Financial Aid Programs, visit the UNSW International website:

www.international.unsw.edu.au/courses-applying/financial

or email: financialaid@unsw.edu.au
Shawna Ng Hui Min, 21
Bachelor of Landscape Architecture

For me, university life is more than study. It’s about embracing new experiences, new cultures and new ways of thinking. UNSW offers me this - and so much more. I am fortunate to be living in one of the most cosmopolitan cities in the world, making new friends from around the globe and studying landscape architecture alongside internationally recognised academics and industry leaders. Since the day I arrived, I’ve been supported by UNSW Student Development - International, Arc student organisation and faculty staff to become more independent and to cope with the responsibilities of living and studying abroad. I attended their seminars, tours and talks to get a better understanding of the Australian way of life, and to find out about all the resources and services available to overseas students. And the free barbecues were a great way to meet other students from here and overseas! Fortunately my classes are small, which means there is plenty of time to ask questions, discuss issues and solve problems. I feel encouraged to speak my mind and to develop my unique passions and talents. I chose the Faculty of Built Environment at UNSW because it has a great international reputation, is recognised as a leader in sustainable development, and takes a hands-on approach to teaching and learning. We participate in regular field trips, studio work and competitions. We also work with students from other faculties on real-world projects. In 2010 I collaborated with interior design and architecture students from UNSW to produce a light installation that celebrated the 50th anniversary of Australia’s iconic National Institute of Dramatic Art (NIDA). And thanks to the UNSW Learning Centre workshops, I’ve learnt some fundamental skills, such as essay writing, that will stand me in good stead for my university and working life. Of course, nothing compares with the lifelong friendships I’ve made both on and off campus. In a vibrant city like Sydney, there’s always something new to enjoy, and someone new to share the experience with.
Sydney's famous Bondi Beach is 10 minutes by bus from UNSW's main campus in Kensington.
Architecture

Bachelor of Architectural Computing
Program code 3267
Faculty Built Environment
Minimum years 3 years
Units of Credit (per year/total) 48/144
Semester 2 entry No
Estimated first year tuition A$26,400
Estimated fee to complete A$87,240
Assumed knowledge None

Website www.fbe.unsw.edu.au

The Bachelor of Architectural Computing focuses on the creative application of digital technologies to enhance the design professions and improve the quality of the built environment. The degree educates students to be able to move freely between an emerging set of technologies, strategically manipulating complex data and ideas in order to optimise processes and facilitate the highest quality resolution of design problems in the built environment.

Program Structure

YEAR 1
Architectural Design Studio 1, WWW in Presentation and Communications, Enabling Skills, Modelling and Visualisation, Structures and Construction 1, Digital Representation Studio, Real Time Interactive Environments, Programming for Designers

YEAR 2
Architectural Design Studio 3, Building Information Modelling, Experimental Modelling, Architectural History and Theory 2, Digital Computation Studio, Design Information Management, 2 Electives

YEAR 3
Digital Collaboration Studio, Design Practice, 2 Electives, 2 General Education courses, Graduation Project

Note: An optional Honours Year is available.

Career Opportunities
Graduates fill roles across the range of architectural design related computing, including architectural visualisation artist, building information model manager, architectural animation artist, digital building modeller, multimedia/web designer.

Bachelor of Digital Architecture
Program code 3255
Faculty Built Environment
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition A$26,400
Estimated fee to complete A$119,680
Assumed knowledge None

Website www.fbe.unsw.edu.au

This program focuses on the design of interior environments and all aspects of their structural, spatial, social and material assembly. Students develop an informed appreciation of the physical, cultural, environmental and historic contexts of interior architecture and design, developing creative and inventive design solutions that reflect an understanding of the human scale and experiences inherent in the public and private spaces of our interior environments.

Program Structure

YEAR 1
Interior Architecture Design Studios 1 and 2, Interior History and Theory 1 and 2, Interior Communications 1 and 2, Technology for Interior Architecture 1 and 2

YEAR 2
Interior Architecture Design Studios 3 and 4, Building Information Modelling, Interior Communications 3, Technology for Interior Architecture 3 and 4, Interior History and Theory 3, Electives, General Education courses
Art Theory and Fine Arts

FINE ARTS

Bachelor of Fine Arts

Program code: 4800

Faculty: COFA

Minimum years: 3 years

Units of Credit: 48/144

Semester 2 entry: Yes

Estimated first year tuition: $23,760

Estimated fee to complete: $78,600

Assumed knowledge: None

Website: www.cofa.unsw.edu.au

For studio-based programs an overall IELTS score of 6.0 and a minimum 5.5 in each of the sub-tests will be accepted.

The program explores a wide range of disciplines and approaches within the visual arts within a contemporary context while referencing historical precedents. We encourage critical thought, invention and experimentation. Focusing on a wide range of technologies from the traditional to the cutting edge, the program offers a rich and supportive learning environment wherein full intellectual and creative potential can be met.

Program Structure

FINE ARTS MAJORS

Drawing/Painting, Printmaking, Sculpture/Performance/Installation, Photomedia, Time-Based Art, Ceramics, Jewellery, Textiles

YEAR 1: Choose three from the four introductory studies: Introductory Studies: Drawing and Painting or Introductory Studies: Sculpture and Time-Based Art or Introductory Studies: Photomedia and Printmaking or Introductory Studies: Ceramics, Jewellery, Textiles

PLUS Mapping the Modern, Mapping the Postmodern, Fine Arts Major 1A and 1B in either Drawing/Painting, Printmaking, Sculpture/Performance/Installation, Photomedia, Time-Based Art, Ceramics, Jewellery or Textiles, Art History Theory course, Electives, General Education courses

YEAR 2: Fine Arts Major 2A, 2B, 3A and 3B in either Drawing/Painting, Printmaking, Sculpture/Performance/Installation, Photomedia, Time-Based Art, Ceramics, Jewellery or Textiles, Art History Theory course, Electives, General Education courses

YEAR 3: Fine Arts Major 4A, 4B, 5A and 5B in either Drawing/Painting, Printmaking, Sculpture/Performance/Installation, Photomedia, Time-Based Art, Ceramics, Jewellery or Textiles, Art History Theory course, Professional Practice, Elective, General Education courses

Career Opportunities

Graduates generally work as practising artists in their field(s) of expertise, such as professional photographers, textile artists, sculptors, painters, printmakers, ceramicists, video/web/artistists, jewellers and filmmakers.

As the Bachelor of Fine Arts equips students with many skills and insights, graduates can also find employment across arts-related industries including in: arts administration; arts education; arts writing; commercial photography; art gallery curating and installation; exhibition design; multimedia industry work (with sound and web technologies); theatre, film and/or television production; urban planning to produce site-specific artwork and interior and/or public locations to name a few.

SEE ALSO

Bachelor of Art Education - page 41

Combined Program

Bachelor of Fine Arts/Bachelor of Arts

Program code: 4812

Faculty: COFA

Minimum years: 4 years

Units of Credit: 48/192

Semester 2 entry: Yes

Estimated first year tuition: $23,760

Estimated fee to complete: $78,600

Assumed knowledge: None


Website: www.cofa.unsw.edu.au

ART THEORY

Bachelor of Art Theory

Program code: 4803

Faculty: COFA

Minimum years: 3 years

Units of Credit: 48/144

Semester 2 entry: Yes

Estimated first year tuition: $23,760

Estimated fee to complete: $78,600

Assumed knowledge: None


Website: www.cofa.unsw.edu.au

The program provides in-depth study of art history and theory and prepares students for research careers or professional employment in the arts industries. Graduates benefit from the opportunity to combine theoretical and historical studies with studio-based courses in art and design and to draw on a wide range of electives offered at UNSW.

Program Structure

YEAR 1: Mapping the Modern, Mapping the Postmodern, Theories of the Image, Theories of Art History and Culture, Contexts for Art, Electives

YEAR 2: Art Theory Major courses, Electives, General Education courses

YEAR 3: Art Theory Major courses, Electives, General Education courses

Career Opportunities

Examples of likely careers include art administration, curators, art criticism and writing, public programming and policy formation, and arts project management.

Combined Programs

Bachelor of Art Theory/Bachelor of Arts

Program code: 4806

Faculty: COFA

Minimum years: 4 years

Units of Credit: 48/192

Semester 2 entry: Yes

Estimated first year tuition: $23,760

Estimated fee to complete: $107,920

Assumed knowledge: None


Website: www.cofa.unsw.edu.au

Bachelor of Art Theory/Bachelor of Social Science

Program code: 4807

Faculty: COFA

Minimum years: 4 years

Units of Credit: 48/192

Semester 2 entry: Yes

Estimated first year tuition: $23,760

Estimated fee to complete: $107,920

Assumed knowledge: None


Website: www.cofa.unsw.edu.au

Bachelor of Art Theory/Bachelor of Laws - page 60

See also

Bachelor of Design - page 40

Bachelor of Digital Media - page 40

Arts

Bachelor of Arts

Program code: 3403

Faculty: Arts and Social Sciences

Minimum years: 3 years

Units of Credit: (per year/total) 48/144

Semester 2 entry: Yes (except for those starting a language from beginner level)

Estimated first year tuition: $23,760

(Subjects taken from other faculties will be charged at the appropriate unit of credit rate)

Estimated fee to complete: $78,600

Assumed knowledge: None


Website: www.arts.unsw.edu.au

Note: Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately $1,000 per year.
The Bachelor of Arts is a versatile degree that offers breadth and flexibility, allowing you to choose what direction your degree will take you both academically and professionally. The program is designed to equip graduates with the skills and knowledge they will need in a changing global economy. The BA is a relevant and contemporary program, with traditional and emerging disciplines in the humanities and social sciences; a broad range of interdisciplinary areas and options from other faculties. Students may choose courses from two areas of study from the list below. Check with the Faculty of Arts and Social Sciences on available combinations of these areas of study.

Areas of Study

Aboriginal Studies critiques notions of Australian history and identity, policy and contemporary relations between non-Indigenous and Indigenous Australians (Nura Gili).

Americas Studies provides a unique combined focus on both North and Latin America, based on international, Intercultural and global perspectives.

Archaeology is the science that studies the human past through the recovery, documentation, analysis and interpretation of material remains and environmental data.

Art History and Theory is the historical study that includes ways of exploring art and design through history, practices, reception and philosophies. This study area is offered through COFA.

Asian Studies examines the Asian region as well as Australia’s place in it. Emphasis is placed on both an all-Asia approach and a specialty in one country or society.

Australian Studies explores Australian history, culture and society, including concerns such as Indigenous issues, the environment, gender identity and politics, and the shaping of cultural icons and institutions.

Chinese Studies encompasses Chinese language and communication; culture and civilisation; history; politics and philosophy.

Creative Writing develops practical skills in creative writing in various genres, in editing and in understanding the professional contexts in which written communication plays a central role.

Criminology is a program about crime, its causes and social construction, the history and operation of crime control institutions and the outcomes of criminal justice policies.

Dance revised program for 2012 Development Studies examines issues that concern the developing world and the theories, policies and practical measures that address them.

Economics studies the interplay between the economic environment in which business decisions are made and the strategic interactions among economic agents. This study area is offered through the Australian School of Business.

English explores the importance of literature and literary culture to the history of ideas, cultural identities, ethical formation of individuals and communities, cultural politics, artistic movements and pure life.

Environmental Studies explores the values and world-views that determine human choice in environmental policy and management.

European Studies focuses on the political, economic, ideological and cultural forces that have shaped modern Europe, and the impact of European developments on Australia and the rest of the world.

Film Studies investigates film from critical, theoretical and historical perspectives, covering key cultural and institutional forces in the industry; and explores the impact of technological, economic and aesthetic factors.

French Studies focuses on French communication skills and the structure and function of languages. Studies include French literature, cultures, communities and societies where the language is used.

Geography studies the natural and human-dominated environments, and finds practical application in the conservation and planned development of resources. German Studies places special emphasis on integrating the study of social, historical and cultural developments in German society with the teaching of practical language skills and German literature.

Hispanic Studies focuses on an informed understanding of the Spanish-speaking world through the study of Spanish language, literature, civilisation and history.

History studies humanity in all its dimensions. It explores the diversity of human experience, the richness of difference in ideas, culture and institutions. History and Philosophy of Science examines the past, present and future of science, technology, society and medicine from various perspectives, incorporating science and technology policy and environmental studies.

Human Resource Management studies policies and processes for managing people in the modern workplace, including staff planning, recruitment, equity, motivation and performance management.

Indonesian Studies explores the linguistic and cultural heritage of Indonesia, combining practical language skills with the study of Indonesian history, society, culture and customs.

International Business deals with the development, strategy and management of multinational enterprises, including globalisation, cross-cultural management, strategy and business in the Asia Pacific region.

International Relations studies politics at the international, cross-national, transnational, regional and global level.

Japanese Studies provides language skills to prepare you for professional intercultural communications; an awareness of culture, history and society; and the skills to use a variety of technological media in Japanese.

Korean Studies develops your communication skills in the Korean language and a knowledge and understanding about the country.

Linguistics studies human language and provides a basis for the teaching and learning of foreign languages; translating and interpreting; cross-cultural communication; treating language disorders; language and literacy curricula in schools.

Media, Culture and Technology provides a progressive understanding of the social, cultural and phenomenological impacts of media and communications technologies. See also Bachelor of Media on page 62.

Music provides intensive study of the traditional disciplinary focus of music, particularly theoretical and applied analysis and composition, orchestration and electronic music. See also Bachelor of Music on page 65.

Philosophy involves the study of theories which strongly influence patterns of thought, ethical views and social and political attitudes, and provides a deeper understanding of contemporary issues.

Politics examines political action, ideas, institutions and actors, from local to global. It deals with governments, policy development; political systems, cultures and societies.

Psychology focuses on the scientific and systematic study of the human mind and behaviour in a wide variety of areas. See also Bachelor of Psychology on page 67.

Sociology and Anthropology explores human relationships and the multiplicity of interactive cooperation, conflict and communication that constitutes any society.

Theatre and Performance Studies examines how the theatrical and performing arts reflect and shape our sense of who we are, studying performance culture history and engaging in contemporary practice.

Women’s and Gender Studies examines how gender has intersected with racism, heteronomativity and other discriminatory categories of difference to sustain unequal social relations.

Career Opportunities

Graduates pursue careers in areas such as: government, public services (for example Department of Foreign Affairs, Social Security, Education, Housing, Corrective Services and Aboriginal Affairs), business, banking, finance, NGOs, media, journalism, marketing, communications, performing arts, management, research, and teaching at secondary and tertiary levels.

Combined Programs

Bachelor of Arts/Bachelor of Arts - page 35
Bachelor of Arts/Bachelor of Education - page 42
Bachelor of Arts/Bachelor of Laws - page 60
Bachelor of Economics/Bachelor of Arts - page 41
Bachelor of Engineering (various programs)/Bachelor of Arts - pages 45-58
Bachelor of Environmental Science/Bachelor of Arts page 41
Bachelor of Fine Arts/Bachelor of Arts - page 35
Bachelor of International Studies/Bachelor of Laws page 60
Bachelor of Media/Bachelor of Laws - page 61
Bachelor of Music/Bachelor of Arts - page 65
Bachelor of Science/Bachelor of Arts - page 68
Bachelor of Science (Advanced)/Bachelor of Arts page 69
Bachelor of Science (Advanced Mathematics)/Bachelor of Arts - page 69
Bachelor of Science/Bachelor of Education - page 43
Bachelor of Social Science (Criminology)/Bachelor of Laws - page 61
Bachelor of Social Work/Bachelor of Arts - page 70
Bachelor of Social Work/Bachelor of Laws - page 61

Aviation

Bachelor of Aviation (Flying)

Program code 3980

Faculty Science

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry No

Estimated first year tuition A$30,960

Estimated fee to complete A$215,640 (including A$114,000 approximate flying fees)

Assumed knowledge Maths and Physics


Website www.aviation.unsw.edu.au

The Bachelor of Aviation (Flying) offers an integrated program consisting of the academic core and quality flight training to commercial standards. On graduation, students who select the flight training option will hold the Bachelor of Aviation, and have acquired a Commercial Pilot Licence, Air Transport Pilots Licence (pending completion of required flying
hours), a Multi-Engine Command Instrument Rating, and Instructor Rating with advanced options available including Instructor Rating. International students are advised to confirm registration requirements with the relevant Aviation authorities in their home country. A Class One aviation medical certificate is required to be a commercial pilot. Students should check with their local aviation medical examiners to determine eligibility for an Australian Class One medical certificate.

Program Structure

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

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

YEAR 3

Career Opportunities

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

Bachelor of Aviation (Management)

Program code 3981
- Faculty Science
- Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry Yes

Estimated first year tuition A$30,960

Estimated fee to complete A$101,640

Assumed knowledge Maths only


Website www.aviation.unsw.edu.au

The Bachelor of Aviation (Management) shares a common academic core with the Bachelor of Aviation (Flying) plus a wide range of aviation management courses. It is designed for those with aviation industry experience or licences who desire to further their qualifications to a tertiary level, or those who seek a new career in aviation in the broad context of flight operations either on or off the flight deck.

Program Structure

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

YEAR 2
- Aviation Law and Regulations, Airline Marketing Strategies, Regional and General Aviation, General Education courses, and courses chosen from: Managing People, Aviation Technologies, Aviation Operations Research, Aviation Security and Airport Management

YEAR 3

Career Opportunities

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

Biotechnology

Bachelor of Science (Biotechnology)

Program code 3052
- Faculty Science
- Minimum years 4 years
- Units of Credit (per year/total) 48/192

Semester 2 entry Yes (will require summer semester after 1st semester)

Estimated first year tuition A$30,960

Estimated fee to complete A$139,600

Assumed knowledge Maths and Chemistry


Website www.science.unsw.edu.au

Estimation of first year tuition based on 2011 tuition fees.

Business

Bachelor of Commerce

Program code 3502
- Faculty Australian School of Business
- Minimum years 3 years
- Units of Credit (per year/total) 48/144

Semester 2 entry Yes

Estimated first year tuition A$30,960

Estimated fee to complete A$101,640

Assumed knowledge Maths


Website www.asb.unsw.edu.au/futuresstudents

Note:

Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fees increases are assessed annually and may exceed the indicative figures listed above.

Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
Business Economics The Business Economics and Economics (Bachelor of Economics program) majors cover similar areas but are offered in different degrees. Both majors analyse decision making, by individuals, business, government and global organisations. They deal with important issues such as the economic growth and development, public policy and implementation, and the means to improve overall efficiency and living standards. Both majors offer the greatest flexibility of choice amongst a wide variety of economics courses.

Business Law focuses on the legal requirements of companies and the responsibility of company directors and boards to make ethical business decisions. Business Law is available as a second major only.

Business Strategy and Economic Management deals with strategic behaviour among firms and provides tools for effective business decision making. It looks at important issues such as the behaviour of individuals and firms and their strategic interactions, economic growth and development, public policy design and implementation, and the means to improve overall efficiency and living standards.

Finance is the science of managing money in both domestic and international financial markets. It is concerned with investment decisions, valuing financial assets, and developing and designing systems to minimise financial risk.

Financial Economics focuses on understanding how individuals, firms and markets manage financial risk. It analyses decision making by business, government and global organisations, the causes and effects of inflation, and income distribution.

Human Resource Management is the strategic approach to managing an organisation’s employees. It is based on the premise that the most progressive business strategy can only be executed effectively when employees are committed to the organisation’s objectives.

Information Systems uses computers and communication networks to acquire, organise and process information, enabling people and organisations to be more creative and productive. Studying Information Systems involves learning to understand the needs of individuals and organisations, designing and developing systems to meet those needs, and implementing and adapting these systems to changing organisational needs.

International Business deals with the development, strategy and management of multinational organisations. It investigates how firms organise and conduct operations globally, the nature and management of cross-cultural relations in business and society, and how the competitive international environment shapes the economic, political and cultural context for business.

Management is building and developing relationships between people and organisations for effective performance. The major focuses on managing people and effective organisation design and change. Management also involves formulating goals, designing organisational structures, fostering innovation and regulating resources.

Marketing is about communicating value to consumers in order to develop and maintain relationships with customers, clients, suppliers and distributors. Understanding consumer needs and desires is a key aspect of marketing, which uses market analysis and research to determine effective ways to build profitable customer satisfaction.

Modern Languages are available as a second major to complement your business degree. Knowledge of a language other than English will provide you with a competitive edge in the international job market and add value to your other major. The language majors available through the School of Languages and Linguistics are Chinese Studies, French Studies, German Studies, Hispanic Studies, Japanese Studies, and Korean Studies.

Taxation provides the government with funding to deliver essential services and manage the economy. An awareness of taxation legislation and policies enables companies and individuals to structure their business transactions in a tax effective manner, increasing profit and efficiency.

Career Opportunities This degree is a highly valued business qualification that opens the door to a wide variety of careers. It provides the specialist technical skills which are the building blocks for a career in business, as well as developing your analytical skills. Graduates are qualified to pursue a range of careers across local and international organisations, government and not-for-profits. Examples include accountants, economists, strategy consultants, business managers, marketing specialists, information systems consultants, taxation advisors, investment bankers, actuaries and policy advisors.

Professional Recognition You can tailor your studies to meet the educational requirements for professional bodies including the Australian Computer Society, Australian Human Resource Institute, Australian Market and Social Research Society, Australian Securities and Investment Commission, CPA Australia, Financial Services Institute of Australasia, the Institute of Actuaries of Australia, The Institute of Chartered Accountants in Australia.

Bachelor of Commerce (Liberal Studies) Program code 3539 Faculty Australian School of Business Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes Est first year tuition A$30,960 Est fee to complete A$139,600 Assumed knowledge Maths Estimated fee to complete A$139,600 Online Handbook www.handbook.unsw.edu.au/undergraduate/programs/2011/3539.html Website www.asb.unsw.edu.au/futurestudents

The Bachelor of Commerce (Liberal Studies) program is designed for students wanting a broad liberal education while obtaining a professional business qualification.

Program Structure The program offers you the most flexibility to tailor your studies according to your interests and aptitude. You can select courses from Humanities, Languages and/or Science, thereby expanding job opportunities in a wide range of industry sectors.

A popular combination is a ‘Marketing – International Business – Language’ triple major providing students with the necessary skills to work in a marketing role within a multinational corporation, dealing with international business transactions. Core courses to be completed in your first semester are: Accounting and Financial Management 1A, Business and Economic Statistics, Microeconomics 1, and Managing Organisations and People.

In your second semester, you choose four courses from the following list to help you decide which areas to major in: Accounting and Financial Management 1B, Business and the Law, Business Finance, Business Information Systems, Macroeconomics 1, Marketing Fundamentals, and Actuarial Studies for Commerce (only for students considering Actuarial Studies as a major).

Bachelor of Commerce/Bachelor of Information Systems Program code 3584 Faculty Australian School of Business Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes Estimated first year tuition A$30,720 Estimated fee to complete A$139,360 Assumed knowledge Maths Online Handbook www.handbook.unsw.edu.au/undergraduate/programs/2011/3584.html Website www.asb.unsw.edu.au/futurestudents

Bachelor of Commerce/Bachelor of Arts Program code 3525 Faculty Australian School of Business Minimum years 5 years Units of Credit (per year/total) 48/240 Semester 2 entry Yes Estimated first year tuition A$30,960 Estimated fee to complete A$162,920 Assumed knowledge Maths Online Handbook www.handbook.unsw.edu.au/undergraduate/programs/2011/3525.html Website www.asb.unsw.edu.au/futurestudents

Bachelor of Commerce/Bachelor of Economics Program code 3521 Faculty Australian School of Business Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes Estimated first year tuition A$30,960 Estimated fee to complete A$139,600 Assumed knowledge Maths Online Handbook www.handbook.unsw.edu.au/undergraduate/programs/2011/3521.html Website www.asb.unsw.edu.au/futurestudents

Bachelor of Commerce/Bachelor of Information Systems Program code 3584 Faculty Australian School of Business Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes Estimated first year tuition A$30,720 Estimated fee to complete A$139,360 Assumed knowledge Maths Online Handbook www.handbook.unsw.edu.au/undergraduate/programs/2011/3584.html Website www.asb.unsw.edu.au/futurestudents
Students develop attributes which employers value, such as skills in problem solving, effective communication, leadership and collaborative teamwork, as well as the capacity for critical thinking, enterprise, initiative and creativity.

**MAJORS**

**Career Opportunities**
This degree features close interaction with the tourism industry in seminars, workshops and field trips. Graduates can look forward to exciting careers in management in the global tourism industry.

**Professional Recognition**
The degree is actively supported by the tourism and hospitality industry through an advisory board comprising senior industry leaders, and the involvement of senior industry executives in workshops and seminars on campus.

**Construction Management and Property**

**Bachelor of Construction Management and Property**

**Program code** 3331

**Faculty** Built Environment

**Minimum years** 4 years (including a period of 80 days work experience)

**Units of Credit (per year/total)** 48/192

**Semester 2 entry** No

**Estimated first year tuition** A$26,400

**Estimated fee to complete** A$119,680

**Assumed knowledge** None


**Website** www.fbe.unsw.edu.au

The Bachelor of Construction Management and Property provides education and training in the management of property development, construction and design work, construction site and facility operation, with a strong emphasis on management skills including human resources, organisational behaviour and risk management. Students can choose to specialise in building construction, property development, facility management or quantity surveying.

**Program Structure**

**YEAR 1**

**YEAR 2**
- Construction Law, Industrial Building Construction, Construction Contract Administration, Construction Techniques, Specified Electives*, Open Electives

**YEAR 3**
- Scheduling Techniques, OH&S in the Built Environment, Tall Building Construction, Social Responsibility and Professional Ethics, Specified Electives*, Open Electives

**YEAR 4**
- Thesis option or Specified Electives*, Open Electives

General Education courses

“Specified Electives are required to satisfy particular areas of specialisation, that is: - Building, Property Development, Quantity Surveying and Facilities Management

**Career Opportunities**
Graduates are positioned for management-level careers in property development, construction project management, property financial control and building asset management.

**Registration and Professional Recognition**
The program is recognised for admission to membership by the following professional bodies:

- the Australian Institute of Building, the Australian Institute of Quantity Surveyors, the Australian Property Institute, and the Royal Institution of Chartered Surveyors on the provision that the specified electives taken satisfy the respective professional body’s criteria.

**SEE ALSO**

- Bachelor of Engineering (Civil Engineering) - page 47

**Criminology**

**Bachelor of Social Science (Criminology)**

**Program code** 3422

**Faculty** Arts and Social Sciences

**Minimum years** 3 years

**Units of Credit (per year/total)** 48/144

**Semester 2 entry** No

**Estimated first year tuition** A$33,760

**Estimated fee to complete** A$78,600

**Assumed knowledge** None


**Website** http://ssis.arts.unsw.edu.au

Criminology is broadly defined as the study of crime, its causes and social construction, the history and operation of crime control institutions and the outcomes of criminal justice policies. The Bachelor of Social Science (Criminology) gives students the opportunity to build skills in applied social research and policy analysis combined with specialised study in criminology. Students focus on bringing together knowledge, methods and ideas derived from the social sciences to the analysis of criminological problems.

**Program Structure**
The program gives students the opportunity to build skills in applied social research and policy analysis combined with specialised study in criminology.

**Note:** The Bachelor of Social Science (Criminology) is under review. Please check with the Faculty for program changes.

**YEAR 1**
- Introduction to Criminology, Social Science and Policy, Research and Information Management, Introduction to Criminal Justice

**YEAR 2**
- Criminal Law and Justice 1, Criminal Law and Justice 2, Political Economy and the State, Applied Social Research 1, Policy Analysis Case Studies

**Note:** Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees to complete include tuition plus an estimate of any other charges for the first year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.

**Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.**
Design - Environmental Science

YEAR 3
Criminological Theories, Social Theory and Policy, Applied Social Research 2, Social Science and Policy Project
Criminology-related Electives which may include: History from Crime, Law, Policy and Practice, Criminal Justice System, Juvenile Justice, Policing, Sex, Human Rights and Justice, Deviant Fieldwork, Crime in Australian Society, Crime, Gender and Sexuality
Career Opportunities
Graduates are prepared for careers in policy analysis or research in criminal justice agencies, quantitative and qualitative social research, project design and management in private, government and non-government sectors.
SEE ALSO
Bachelor of Social Science (Criminology)/Bachelor of Laws - page 61

D - E
Design

Bachelor of Design
Program code 4802
Faculty COFA
Minimum years 4 years
Units of Credit 48/192
Semester 2 entry Yes
Estimated first year tuition A$23,760
Estimated fee to complete A$107,920
Assumed knowledge None
Website www.cofa.unsw.edu.au

For studio-based programs an overall IELTS score of 6.0 and a minimum 5.5 in each of the sub-tests will be accepted.
The Bachelor of Design offers an integrated academic program. The curriculum is arranged across core design disciplines rather than narrow vocational specialisations. Program structure supports students with multiple skills and breadth of knowledge for creative practitioners and content developers who possess critical and creative thinking within the domain of digital media. The program provides students with multiple skills and breadth of knowledge in video, interactive design, sound, CGI, digital imaging, 3D modelling and animation.

Program Structure

YEAR 1
Introduction to Digital Media, Drawing for Media, Colour Composition and Typography, Digital Composite, Sound Media 1, Web Authoring, Mapping the Postmodern, Mapping the Modern or Theories of the Image or Language of Digital Media
YEAR 2
Digital Composite 2, 3D Modelling and Animation 1, Multimedia Authoring 1, Digital Video 1, Digital Video 2, Screen Culture, Elective, General Education courses
YEAR 3
Digital Studio, Professional Practice, Professional Portfolio, Digital Theory and Aesthetics, Electives, General Education courses

Students can further develop their chosen area of study using electives in years 2 and 3.

Career Opportunities
Career opportunities include creative content developers, producers in video/ digital video, animation, interactive media, internet-based media, production management, sound, 3D visualisation, digital imaging and digital illustration.
SEE ALSO
Bachelor of Fine Arts - page 35
Bachelor of Science (Computer Science)/Bachelor of Digital Media - page 59

Environmental Science

Bachelor of Environmental Science
Program code 3988
Faculty Science
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes
Estimated first year tuition A$30,960
Estimated fee to complete A$139,600
Assumed knowledge Maths and Chemistry
Website www.science.unsw.edu.au

YEAR 3
YEAR 2
YEAR 3
YEAR 4
Industrial Design Studio 4, Project Research, Industrial Design Management and Practice, Electives, General Education courses, Industrial Design Project or Special Study Electives

Career Opportunities
Employment opportunities in areas such as consumer/ domestic goods, electrical goods, telecommunications, digital multimedia, architectural products, automotive components, retail design, furniture and exhibition design and also the fields of marketing, packaging design and graphics.

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

Digital Media

Bachelor of Digital Media
Program code 4810
Faculty COFA
Minimum years 3 years
Units of Credit 48/144
Semester 2 entry No
Estimated first year tuition A$23,760
Estimated fee to complete A$78,600
Assumed knowledge None
Website www.cofa.unsw.edu.au

For studio-based programs an overall IELTS score of 6.0 and a minimum 5.5 in each of the sub-tests will be accepted.
This program is designed to meet industry demand for creative practitioners and content developers who possess critical and creative thinking within the domain of digital media. The program provides students with multiple skills and breadth of knowledge in video, interactive design, sound, CGI, digital imaging, 3D modelling and animation.

Program Structure

YEAR 1
Program code 3385
Faculty Built Environment
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition A$26,400
Estimated fee to complete A$119,680
Assumed knowledge None
Website www.fbe.unsw.edu.au

For studio-based programs an overall IELTS score of 6.0 and a minimum 5.5 in each of the sub-tests will be accepted.
This program is designed to meet industry demand for creative practitioners and content developers who possess critical and creative thinking within the domain of digital media. The program provides students with multiple skills and breadth of knowledge in video, interactive design, sound, CGI, digital imaging, 3D modelling and animation.
This degree involves a core sequence of compulsory courses with a choice of disciplinary specialisations including biology, chemistry, geography, earth science, marine biology, microbiology and oceanography. The program aims to provide a strong education in the skills and knowledge required to conduct research as an environmental scientist.

**Program Structure**

**YEAR 1** Evolutionary and Functional Biology, Fundamentals of Chemistry 1A, Environmental Science 1, Statistics for Life and Social Sciences, Environmental Earth Science, Environmental Systems and Analysis, Discipline specialisations

**YEAR 2** Elements of Environmental Economics, The Human Environment, Environmental Policy and Law, Mathematical Computing or Statistics, General Education courses, Discipline specialisations

**YEAR 3** Biodiversity Conservation and Management, Environmental Toxicology, Environmental Impact Assessment, General Education courses, Discipline specialisations

**YEAR 4** Research Project or combination Project/Coursework

**Career Opportunities**

Possible employment includes work for organisations such as the National Parks and Wildlife Service or Environmental Protection Authority; as environmental consultants or environmental officers within industry or with local, state or federal governments; as specialists in environmental policy; and as environmental researchers with the Commonwealth Scientific and Industrial Research Organisation (CSIRO), universities or industry.

**Combined Program**

**Bachelor of Environmental Science/Bachelor of Arts**

Program code 3832

Faculty Science

Minimum years 5 years

Units of Credit (per year/total) 48/240

Semester 2 entry Yes

Estimated first year tuition A$30,960

Estimated fee to complete A$164,120

Assumed knowledge Maths and Chemistry


Website www.science.unsw.edu.au

SEE ALSO Bachelor of arts, Bachelor of Social Science page 25 and 70

Bachelor of Engineering (Environmental Engineering) page 48

Bachelor of Engineering (Mining Engineering) page 52

Bachelor of Engineering (Petroleum Engineering) page 53

Bachelor of Engineering (Photovoltaics and Solar Energy) - page 54

Bachelor of Landscape Architecture - page 34

Bachelor of Planning - page 66

Bachelor of Science with majors in Biological Science, Ecology, Environment and Society, Environmental Earth Science, Geography, Geology and Marine Science - page 67

Bachelor of Science (Advanced) with specialisations in Biological Science, Ecology, Geosciences, Geochemistry, and Marine and Coastal Studies - page 69

**Economics**

**Bachelor of Economics**

Program code 3543

Faculty Australian School of Business

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry Yes

Estimated first year tuition A$30,960

Estimated fee to complete A$101,640

Assumed knowledge Maths


Website www.asb.unsw.edu.au/futurestudents

The Bachelor of Economics is a highly recognised professional qualification designed to help develop analytical and statistical skills that have wide applications in the business and finance sectors.

**Program Structure**

The first year of study provides you with an understanding of economic theory and business statistics, and introduces you to the application of economics to contemporary issues. This will allow you to choose the right Economics major for your studies. You also have the option to study a second Economics major or choose from one of the Commerce majors (such as Finance, International Business or Languages); or, a major in Mathematics or Statistics, in recognition of the increasingly quantitative nature of modern business and policy contexts.

Core courses to be completed in your first year are: Accounting and Financial Management 1A, Microeconomics 1, Business and Economic Statistics, Macroeconomics 1, Quantitative Analysis for Business and Economics, and Economics Analysis.

MAJORS

Students complete at least one major in: Econometrics, Economics or Financial Economics. A second major can be chosen from the above or Accounting/Business Law, Finance, Human Resource Management, Information Systems, International Business, Management, Marketing, Modern Languages and Taxation. Students can also study a major in Mathematics or Statistics from the Faculty of Science.

Econometrics focuses on the development and application of quantitative methods to model everything from individual consumer behaviour through to the collective workings of the economy.

**Economics**

The Economics and Business Economics (from Bachelor of Commerce) majors cover similar areas but are offered in different degrees. Both majors analyse decision making by individuals, business, government and global organisations. They deal with important issues such as the economic growth and development, public policy design and implementation, and the means to improve overall efficiency and living standards. Both majors offer the greatest flexibility of choice amongst a wide variety of economics courses.

**Financial Economics**

Financial Economics focuses on understanding how individuals, firms and markets manage financial risk. It analyses decision making by business, government and global organisations, the causes and effects of inflation, and income distribution.

**Career Opportunities**

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

**Combined Program**

**Bachelor of Economics/Bachelor of Arts**

Program code 3526

Faculty Australian School of Business

Minimum years 5 years

Units of Credit (per year/total) 48/240

Semester 2 entry Yes

Estimated first year tuition A$30,960

Estimated fee to complete A$162,920

Assumed knowledge Maths


Website www.asb.unsw.edu.au/futurestudents

SEE ALSO Bachelor of Commerce - page 37

Bachelor of Commerce/Bachelor of Economics page 38

Bachelor of Economics/Bachelor of Laws - page 60

**Education**

**Bachelor of Art Education**

Program code 4801

Faculty COFA

Minimum years 4 years

Units of Credit 48/192

Semester 2 entry Yes

Estimated first year tuition A$23,760

Estimated fee to complete A$107,920

Assumed knowledge None


Website www.cofa.unsw.edu.au

The Bachelor of Art Education is designed to meet the community’s need for art and design educators with highly developed skills in art education and fine arts. It incorporates a Professional Experience Program undertaken in a variety of educational, community and industry settings.

**Program Structure**

FINE ARTS MAJORS

Drawing/Painting, Printmaking, Sculpture; Performance/installation, Photomedia, Time-based Art, Ceramics, Jewellery, Textiles

**YEAR 1**


Note: Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fees may exceed the indicative figures listed above.

Estimated fees to complete tuition plus an estimate of study-related costs of approximately A$1,000 per year.
YEAR 2
Learning and Teaching: Language and Communication, Educational Psychology, Practices of Research in Art, Design and Education, Professional Experience, Fine Arts Major courses, Electives, General Education courses

YEAR 3

YEAR 4
Aesthetics in Art, Design and Education, Philosophical Issues in Education, Professional Experience Internship, Elective, General Education courses

Career Opportunities
Graduates are able to teach visual arts, visual design, photography and digital media in primary, secondary schools and tertiary educational contexts and a range of community, cultural and industry settings, including as artists and designers, curriculum development officers, and as educators in museums, galleries, community and local government organisations.

Professional Recognition
The Bachelor of Art Education is fully accredited for secondary visual arts teaching and recognised by the Department of Education and Training in New South Wales (NSW), the NSW Institute of Teachers and the Independent Schools Association (both government and non-government). The degree is also recognised in other Australian states and territories and internationally.

Note: Proficiency in English is essential in all Education courses. Prospective teachers must be able to communicate effectively with school students and staff members. It is expected that all applicants will have one of the following:
- Higher School Certificate minimum Band 4 in Standard English or
- Higher School Certificate minimum Band 4 in English as a Second Language or
- Higher School Certificate minimum Band 4 in Advanced English or
- IELTS score of 7.5, with a minimum of 8.0 in speaking and listening and a minimum of 7.0 in reading and writing. Students who have not met these requirements should make a general enquiry to the School of Art History and Art Education by calling +612 9385 0678.

Bachelor of Arts/Bachelor of Education
Program code 4005
Faculty Arts and Social Sciences
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition $23,760
Estimated fee to complete $107,920
Assumed knowledge None
Website http://education.unsw.edu.au

The combined degree of Bachelor of Arts/Bachelor of Education is a four-year program for intending secondary school teachers.

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

Teaching specialisations are available in Aboriginal Studies, Business Studies, Chinese, Dance, Drama (Theatre and Performance Studies), Economics, English (as a Second Language (ESL)), French, Geography, German, History, Indonesian, Japanese, Korean, Spanish (Hispanic Studies).

Career Opportunities
This program prepares students as design professionals, design educators and studio practitioners. Graduates find employment opportunities in: advertising and web design; ceramics and object design; costume, theatre and events design; design management; design teaching; design consultancies and private practice; design for exhibitions, galleries and museums; environmental, spatial, interior and architectural design; film, television production and post-production; graphics, media and digital design; jewellery and object design; object, furniture and lighting design; packaging, book and magazine illustration and design; textile design. Graduates are able to teach technology and applied studies, particularly design and technology and visual arts, in secondary schools, primary schools, community organisations, museums and galleries and work as curriculum development officers.

Bachelor of Design/Bachelor of Education
Program code 4808
Faculty COFA
Minimum years 5 years
Units of Credit 48/240
Semester 2 entry Yes
Estimated first year tuition $138,920
Assumed knowledge None

Website www.cofa.unsw.edu.au

The Bachelor of Design/Bachelor of Education is for students wishing to enter both the design industry and teaching professions. It incorporates a Professional Experience Program in a variety of educational, community, cultural and professional design industry settings.

Program Structure
DESIGN STUDIO DISCIPLINE AREAS
Applied Object, Ceramics, Environments, Graphics Media, Jewellery, Textiles

YEAR 1
Foundations of Art and Design Education; Learning and Teaching: Practice and Structure; Professional Experience Stage 1; Design Studio 3 and 4; Design History, Theory and Aesthetics 1; Design and Computers 1 and 2; Drawing Elective

YEAR 2
Making Curriculum in Art and Design; Learning and Teaching: Language and Communication; Design and Technology: Curriculum and Pedagogy; Special Education in Art and Design Contexts; Professional Experience Stage 2; Design Studio Major courses

YEAR 3
Learning and Teaching: Classroom Management; Education Psychology; Issues in Contemporary Design Education; Curriculum Studies in Art and Design Education; Professional Experience Stage 3; Design Studio Major courses; Design History, Theory and Aesthetics 2; School of Art History and Theory Elective (Level 2 or above)

YEAR 4
The Sociology of Education; Practices of Art and Design History in Education; Practices of Research in Art, Design and Education; Design Studio Major course; Design and Computers 4; School of Art History and Theory Elective (Level 2 or above); General Education course

YEAR 5
Philosophical Issues in Education, Professional Experience Internship Design and Technology/Visual Arts, Design Studio Project, Elective Honours (optional)

Bachelor of Music/Bachelor of Education
Program code 3426
Faculty Arts and Social Sciences
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition $23,760
Estimated fee to complete $107,920
Assumed knowledge None

Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Education is a combined degree that enables students to secure a professional teaching qualification and a level of competence in music which is also a foundation for other musical careers. It is an integrated degree in which practice and principles of music education are taught from the earliest stages of the four-year program.

Career Opportunities
The Bachelor of Design/Bachelor of Education is fully accredited for secondary visual arts and design and technology teaching and is recognised by the Department of Education and Training in New South Wales (NSW), the NSW Institute of Teachers and the Independent Schools Association (both government and non-government). The degree is also recognised in other Australian states and territories and internationally.

Note: Proficiency in English is essential in all Education courses. Prospective teachers must be able to communicate effectively with school students and staff members. It is expected that all applicants will have one of the following:
- Higher School Certificate minimum Band 4 in Standard English or
- Higher School Certificate minimum Band 4 in English as a Second Language or
- Higher School Certificate minimum Band 4 in Advanced English or
- IELTS score of 7.5, with a minimum of 8.0 in speaking and listening and a minimum of 7.0 in reading and writing. Students who have not meet these requirements should make a general enquiry to the School of Art History and Art Education by calling +612 9385 0678.

Bachelor of Music/Bachelor of Education
Program code 3426
Faculty Arts and Social Sciences
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition $23,760
Estimated fee to complete $107,920
Assumed knowledge None

Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Education is a combined degree that enables students to secure a professional teaching qualification and a level of competence in music which is also a foundation for other musical careers. It is an integrated degree in which practice and principles of music education are taught from the earliest stages of the four-year program.

Career Opportunities
The Bachelor of Design/Bachelor of Education is fully accredited for secondary visual arts and design and technology teaching and is recognised by the Department of Education and Training in New South Wales (NSW), the NSW Institute of Teachers and the Independent Schools Association (both government and non-government). The degree is also recognised in other Australian states and territories and internationally.

Note: Proficiency in English is essential in all Education courses. Prospective teachers must be able to communicate effectively with school students and staff members. It is expected that all applicants will have one of the following:
- Higher School Certificate minimum Band 4 in Standard English or
- Higher School Certificate minimum Band 4 in English as a Second Language or
- Higher School Certificate minimum Band 4 in Advanced English or
- IELTS score of 7.5, with a minimum of 8.0 in speaking and listening and a minimum of 7.0 in reading and writing. Students who have not meet these requirements should make a general enquiry to the School of Art History and Art Education by calling +612 9385 0678.

Bachelor of Music/Bachelor of Education
Program code 3426
Faculty Arts and Social Sciences
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition $23,760
Estimated fee to complete $107,920
Assumed knowledge None

Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Education is a combined degree that enables students to secure a professional teaching qualification and a level of competence in music which is also a foundation for other musical careers. It is an integrated degree in which practice and principles of music education are taught from the earliest stages of the four-year program.

Career Opportunities
The Bachelor of Design/Bachelor of Education is fully accredited for secondary visual arts and design and technology teaching and is recognised by the Department of Education and Training in New South Wales (NSW), the NSW Institute of Teachers and the Independent Schools Association (both government and non-government). The degree is also recognised in other Australian states and territories and internationally.

Note: Proficiency in English is essential in all Education courses. Prospective teachers must be able to communicate effectively with school students and staff members. It is expected that all applicants will have one of the following:
- Higher School Certificate minimum Band 4 in Standard English or
- Higher School Certificate minimum Band 4 in English as a Second Language or
- Higher School Certificate minimum Band 4 in Advanced English or
- IELTS score of 7.5, with a minimum of 8.0 in speaking and listening and a minimum of 7.0 in reading and writing. Students who have not meet these requirements should make a general enquiry to the School of Art History and Art Education by calling +612 9385 0678.

Bachelor of Music/Bachelor of Education
Program code 3426
Faculty Arts and Social Sciences
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition $23,760
Estimated fee to complete $107,920
Assumed knowledge None

Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Education is a combined degree that enables students to secure a professional teaching qualification and a level of competence in music which is also a foundation for other musical careers. It is an integrated degree in which practice and principles of music education are taught from the earliest stages of the four-year program.

Career Opportunities
The Bachelor of Design/Bachelor of Education is fully accredited for secondary visual arts and design and technology teaching and is recognised by the Department of Education and Training in New South Wales (NSW), the NSW Institute of Teachers and the Independent Schools Association (both government and non-government). The degree is also recognised in other Australian states and territories and internationally.

Note: Proficiency in English is essential in all Education courses. Prospective teachers must be able to communicate effectively with school students and staff members. It is expected that all applicants will have one of the following:
- Higher School Certificate minimum Band 4 in Standard English or
- Higher School Certificate minimum Band 4 in English as a Second Language or
- Higher School Certificate minimum Band 4 in Advanced English or
- IELTS score of 7.5, with a minimum of 8.0 in speaking and listening and a minimum of 7.0 in reading and writing. Students who have not meet these requirements should make a general enquiry to the School of Art History and Art Education by calling +612 9385 0678.
Program Structure
The program provides training in six major areas: Musicology, Musicianship, Music Education Studies, Performance Studies, Education Studies and Contextual Studies.

Those areas of study are covered within the following degree requirements:
• Music courses (72 UoC)
• Performance courses (36 UoC)
• Music Education courses (36 UoC)
• Education courses (30 UoC)
• Arts/Education courses (18 UoC)

Career Opportunities
Graduates work in the areas of secondary teaching, music administration, music production, broadcasting and recording, performance planning, composing and arranging.

Bachelor of Science/Bachelor of Education
Program code 4075
Faculty Science
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition AS29,160
Estimated fee to complete AS126,400
Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics

Website http://education.arts.unsw.edu.au

The combined degree of Bachelor of Science/Bachelor of Education is a four-year program for intending secondary school teachers in mathematics or science.

Program Structure
Students combine studies in their approved teaching discipline with both theoretical and practical aspects of education. In the final two years of the program, students develop skills in classroom competence and spend 60 days on supervised teaching practice in allocated secondary schools. Students who meet academic requirements may elect to undertake an Honours program in either the education or science discipline during their fourth or fifth year of study. Science majors include: Biochemistry, Biological Science, Chemistry, Biotechnology, Ecology, Environmental Sciences and Earth Sciences, Genetics, Geology, Marine Biology, Physical Geography, Physics, Medical Microbiology and Immunology, Marine Geology, Microbiology, Physical Oceanography/Meteorology, Molecular Biology, Spatial Information Systems, Pharmacology.

Professional Recognition
The Bachelor of Science/Bachelor of Education is recognised by the New South Wales Institute of Teachers and in most other states in Australia. International students should check with the employing authority in their home country regarding their eligibility for a teaching position.

SEE ALSO
Graduate Diploma in Education (Secondary) http://education.arts.unsw.edu.au/futurestudents

Note:
Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only; indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately AS1,000 per year.
The Faculty of Engineering offers a flexible common first year (program 3705) for all Bachelor of Engineering (BE) degrees except Software Engineering and Bioinformatics. This program is designed for those students who wish to study engineering but choose to delay their choice of which branch of engineering to study until the end of Year 1, at which time they may apply to transfer out of 3705 and into one of the following programs:

- 3040 BE in Chemical Engineering
- 3620 BE in Civil Engineering
- 3624 BE in Civil with Architecture
- 3645 BE in Computer Engineering
- 3640 BE in Electrical Engineering
- 3625 BE in Environmental Engineering
- 3742 BE in Geoinformation Systems, Surveying
- 3100 BE in Industrial Chemistry
- 3710 BE in Mechanical and Manufacturing Engineering (includes Aerospace Engineering, Manufacturing Engineering and Management, Mechanical Engineering, Mechatronic Engineering and Naval Architecture)
- 3140 BE in Mining Engineering
- 3045 BE in Petroleum Engineering
- 3644 BE in Photonic Engineering
- 3642 BE in Photovoltaic and Solar Energy
- 3657 BE in Renewable Energy Engineering
- 3643 BE in Telecommunications Engineering

Students can also apply to transfer into any of the Faculty of Engineering combined programs (B. Engineering/B. Arts, B. Engineering/B. Science and B. Engineering/B. Commerce) or concurrent degree programs (B. Engineering/M. Biomedical Engineering).

The first year program structure is as follows: Mathematics, Physics, Engineering Computing and Engineering Design, plus 3 electives selected from this first year electives list:

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<tr>
<th>Code</th>
<th>Name</th>
<th>Required for these programs</th>
<th>Recommended for these programs</th>
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<td>Fundamentals of Petroleum Geology</td>
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<td>3640, 3683, 3688, 3723, 3727</td>
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<td>Surveying and GIS</td>
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<td>Discrete Mathematics</td>
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<td>3045</td>
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<td>SOLA1070</td>
<td>Sustainable Energy</td>
<td>3642, 3657</td>
<td>3642, 3657</td>
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</table>

* Note that students in 3040 and 3048 choose one of the following pairs of courses:
  (1) MATS1101/CEIC1001, (2) CHEM1011/CHEM1021 or CHEM1041, (3) CHEM1031/CHEM1041 or CHEM1021

Some programs offer 2 courses to choose from. Please check the UNSW Online Handbook (www.handbook.unsw.edu.au) or the school's website for further information on choices.

Some courses may have prerequisites, corequisites or exclusions – please check carefully.
### AEROSPACE ENGINEERING

**BE (Aerospace Engineering)**

**Program code**: 3710  
**Faculty**: Engineering  
Minimum years: 4 years  
Units of Credit (per year/total): 48/192  
Semester 2 entry: Yes*

**Estimated first year tuition**: $30,360  
**Estimated fee to complete**: $135,880  
**Assumed knowledge**: Maths, Physics and Chemistry  
**Website**: [www.mech.unsw.edu.au](http://www.mech.unsw.edu.au)  

Aerospace Engineering is concerned with the science and practice of air and space flight, the design, development, testing and production of aerospace vehicles, the maintenance and operation of aircraft and in aerospace research.

**Program Structure**  
A typical program sequence is shown below:

**YEAR 1**  

**YEAR 2**  

**YEAR 3**  

**YEAR 4**  

**Career Opportunities**  
Graduates can expect to find employment in the aerospace design and manufacturing industry including aerospace companies, airlines, defence forces and government regulators.

**Professional Recognition**  
This degree is accredited by Engineers Australia and the Royal Aeronautical Society.

<table>
<thead>
<tr>
<th>Combined Degrees</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BE (Aerospace Engineering)/Bachelor of Arts</strong></td>
<td></td>
</tr>
</tbody>
</table>
| **Program code**: 3703  
**Faculty**: Engineering  
Minimum years: 5 years  
Units of Credit (per year/total): 48/240  
Semester 2 entry: Yes*  
Estimated first year tuition: $30,360  
Estimated fee to complete: $165,140  
Assumed knowledge: Maths, Physics and Chemistry  
**Website**: [www.mech.unsw.edu.au](http://www.mech.unsw.edu.au)  |

### BIOMEDICAL ENGINEERING

These concurrent degrees allow students to study a Master of Biomedical Engineering simultaneously with a Bachelor of Engineering, graduating after five years study with two separate degrees.

Biomedical engineering involves solving health care problems including disease prevention and treatment, or rehabilitation by using an engineering approach. The scope of the field is enormous but biomedical engineers can expect to work on topics and in areas such as: developing systems to maintain and enhance life; designing and developing prostheses, artificial organs and organ replacement devices; and designing, developing and refining medical imaging systems.

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

**BE (Aerospace Engineering)/Bachelor of Science**

**Program code**: 3711  
**Faculty**: Engineering  
Minimum years: 5 years  
Units of Credit (per year/total): 48/240  
Semester 2 entry: Yes*  
Estimated first year tuition: $30,360  
Estimated fee to complete: $197,620  
Assumed knowledge: Maths, Physics and Chemistry  
**Website**: [www.mech.unsw.edu.au](http://www.mech.unsw.edu.au)  

**BIOMEDICAL ENGINEERING**

These concurrent degrees allow students to study a Master of Biomedical Engineering simultaneously with a Bachelor of Engineering, graduating after five years study with two separate degrees.

Biomedical engineering involves solving health care problems including disease prevention and treatment, or rehabilitation by using an engineering approach. The scope of the field is enormous but biomedical engineers can expect to work on topics and in areas such as: developing systems to maintain and enhance life; designing and developing prostheses, artificial organs and organ replacement devices; and designing, developing and refining medical imaging systems.

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

Sample Program  
Bachelor of Engineering (Mechanical Engineering)/Master of Biomedical Engineering

**YEAR 1**

**YEAR 2**

**YEAR 3**
Fundamentals of Anatomy, Engineering Design 2, Engineering Experimentation, Linear Systems and Control, Advanced Thermofluids, Engineering Mechanics 2, Principles of Physiology A, Biomedical Engineering or Principles of Physiology B

**YEAR 4**
Mechanical Design 1, Computational Engineering, Mechanics of Solids 2, Professional Engineering, Engineering Management, Biomedical Engineering, Elective, Thesis A, General Education courses

**YEAR 5**
Professional Elective, Mechanical Design 2, Thesis B, Regulatory Requirements of Biotechnology, Biomedical Engineering Elective, Biomedical Engineering Electives, Project Report

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

**Professional Recognition**  
This degree is accredited by Engineers Australia. The Master of Biomedical Engineering is recognised by the College of Biomedical Engineers and Engineers Australia.

**BE (Bioinformatics)/Master of Biomedical Engineering**

**Program code**: 3757  
**Faculty**: Engineering  
Minimum years: 5 years  
Units of Credit (per year/total): 48/240  
Semester 2 entry: No  
Estimated first year tuition: $30,600  
Estimated fee to complete: $177,950  
Assumed knowledge: Maths, Physics and Chemistry  
**Website**: [www.mech.unsw.edu.au](http://www.mech.unsw.edu.au)  

**Note:**  
* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

**Estimated first year tuition is based on 2011 tuition fees.**

Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.

Estimated fees to complete include tuition plus an estimate of study-related costs of approximately $1,000 per year.
BE (Chemical Engineering)/Master of Biomedical Engineering
Program code 3048
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Computer Engineering)/Master of Biomedical Engineering
Program code 3728
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,480
Estimated fee to complete A$176,120
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Electrical Engineering)/Master of Biomedical Engineering
Program code 3727
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Mechanical Engineering)/Master of Biomedical Engineering
Program code 3683
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Mechatronic Engineering)/Master of Biomedical Engineering
Program code 3688
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Software Engineering)/Master of Biomedical Engineering
Program code 3749
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,600
Estimated fee to complete A$176,600
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

BE (Telecommunications Engineering)/Master of Biomedical Engineering
Program code 3723
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,480
Estimated fee to complete A$176,120
Assumed knowledge Maths, Physics and Chemistry
Website www.gsbme.unsw.edu.au
Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

CHEMICAL ENGINEERING
BE (Chemical Engineering)
Program code 3040
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.chse.unsw.edu.au

Chemical Engineering bridges the study of the chemical and physical sciences with engineering. It involves the operation and optimisation of chemical processes and creates the devices and industrial plants related to chemical, biological and environmental processes.

Program Structure
A typical program sequence is shown below:
YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, and one of the following pairs of courses: Engineering Materials and Chemistry plus Engineering Chemistry; Essentials of Chemistry 1A plus Essentials of Chemistry 1B, Higher Chemistry 1A plus Higher Chemistry 1B, Electives
YEAR 2
YEAR 3
YEAR 4
Environment and Sustainability, Process Design Project, Professional Elective Breadth, Professional Electives Depth x 2, Thesis A and Thesis B

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

Professional Recognition
This degree is accredited by the Institution of Chemical Engineers, Engineers Australia, and the Royal Australian Chemical Institute.
Civil engineers design, construct, manage, operate and maintain the infrastructure that supports modern society including buildings, bridges, roads and highways, tunnels, airports, dams, ports and harbours, railways, new mines, water supply and sewerage schemes, irrigation systems and flood mitigation works.

**Program Structure**
A typical program sequence is shown below:

**YEAR 1**
Mathematics, Physics, Engineering Computing, Engineering Design, Mechanics Electives including: Engineering Materials and Chemistry, Surveying and GIS 1

**YEAR 2**

**YEAR 3**

**YEAR 4**
Professional Electives, Honours Thesis or Design Practice, General Education courses

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

**Professional Recognition**
This degree is fully accredited by Engineers Australia. Substantial or complete recognition of the degree is also given in most countries around the world.

**BE (Civil Engineering with Architecture)**

**Program code** 3624

**Faculty Engineering**

**Minimum years** 4 years

**Units of Credit (per year/total)** 48/192

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$165,140

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

---

**BE (Civil Engineering)/Bachelor of Arts**

**Program code** 3703

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$165,140

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

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**BE (Civil Engineering)/Bachelor of Science**

**Program code** 3042

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$176,840

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.chse.unsw.edu.au](http://www.chse.unsw.edu.au)

---

**BE (Civil Engineering)/Bachelor of Commerce**

**Program code** 3715

**Faculty Engineering**

**Minimum years** 5.5 years

**Units of Credit (per year/total)** 48/264

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$197,620

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.chse.unsw.edu.au](http://www.chse.unsw.edu.au)

---

**BE (Chemical Engineering)/Bachelor of Arts**

**Program code** 3703

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$165,140

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

---

**BE (Chemical Engineering)/Bachelor of Science**

**Program code** 3042

**Faculty Engineering**

**Minimum years** 4 years

**Units of Credit (per year/total)** 48/192

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$135,880

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.chse.unsw.edu.au](http://www.chse.unsw.edu.au)

---

**BE (Chemical Engineering)/Bachelor of Engineering**

**Program code** 3703

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$165,140

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

---

**BE (Civil Engineering)/Bachelor of Commerce**

**Program code** 3715

**Faculty Engineering**

**Minimum years** 5.5 years

**Units of Credit (per year/total)** 48/264

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$197,620

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

---

**BE (Civil Engineering)/BE (Environmental Engineering)**

**Program code** 3631

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$174,800

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

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**BE (Civil Engineering)/BE (Mining Engineering)**

**Program code** 3146

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$174,800

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)

---

**BE (Chemical Engineering)/BE (Mining Engineering)**

**Program code** 3631

**Faculty Engineering**

**Minimum years** 5 years

**Units of Credit (per year/total)** 48/240

**Semester 2 entry** Yes*

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$174,800

**Assumed knowledge** Maths, Physics and Chemistry


**Website** [www.civeng.unsw.edu.au](http://www.civeng.unsw.edu.au)
E
Engineering

[BE (Civil Eng.)/B. Science, BE (Electrical Eng.), BE (Electrical Eng.)/B. Arts, BE (Electrical Eng.)/B. Commerce, BE (Electrical Eng.)/B. Science, BE/ME (Electrical Eng.), BE (Environmental Eng.)]

BE (Civil Engineering)/Bachelor of Science
Program code 3730
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

BE (Electrical Engineering)/Bachelor of Science
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

Professional Recognition
This degree is accredited by Engineers Australia. Complete recognition is also accorded by most engineering institutions and universities around the world.

Combined Programs

BE (Electrical Engineering)/Bachelor of Arts
Program code 3704
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

BE (Electrical Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

Double Degree Program

BE/ME (Bachelor of Engineering/Master of Engineering in Electrical Engineering)
Program code 3731
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

This is an integrated Bachelor and Master of Engineering degree in Electrical Engineering with a minor taken outside the area of electrical engineering. It is a five-year degree with entry aimed at elite students.

Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

ENVIRONMENTAL ENGINEERING

BE (Environmental Engineering)
Program code 3625
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.civeng.unsw.edu.au

Environmental engineers use their broad knowledge of engineering and environmental processes to minimise the impact of engineering activities on the environment and to develop solutions to some of the greatest problems currently facing our planet. They are concerned with: industrial pollution control, soil erosion and conservation, transport and fate of contaminants, process control, environmental planning and impact assessment, environmental processes, waste management and much more.

Program Structure
A typical program sequence is shown below:

YEAR 1
Mathematics, Physics, Computing, Engineering Design, Electives including: Electrical and Telecommunications Engineering, Data Structures and Algorithms

YEAR 2

YEAR 3

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

Career Opportunities
Potential employers include service industries such as Telstra, Optus and electricity authorities; large private industrial groups, such as Ericsson, Alstom, BHP, Boeing Australia, Honeywell, Motorola, IBM and Alcatel; small innovative private firms specialising in the application of new technologies to new products and services, in a range of areas such as telecommunications and wireless electronics, internet services and biomedical instrumentation.
YEAR 3

YEAR 4
Planning Sustainable Infrastructure, Professional Electives, Honours Thesis or Design Practice, General Education courses

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

Professional Recognition
This degree is fully accredited by Engineers Australia. Substantial or complete recognition of the degree is also given in most countries around the world.

Combined Programs
BE (Environmental Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www civeng.unsw.edu.au

BE (Environmental Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www civeng.unsw.edu.au

BE (Environmental Engineering)/Bachelor of Science
Program code 3735
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www civeng.unsw.edu.au

INDUSTRIAL CHEMISTRY
BE (Industrial Chemistry)
Program code 3100
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www chse.unsw.edu.au

Industrial chemists are constantly striving to improve the safety and efficiency of making important chemicals and materials. Typically industrial chemists undertake optimisation of complex processes, but unlike engineers, industrial chemists examine and change the chemistry of the process itself.

Program Structure
A typical program sequence is shown below:
YEAR 1
Mathematics, Physics, Engineering Computing, Engineering Design, One of the following: Essentials of Chemistry 1A or Higher Chemistry 1A and Chemistry 1B or Higher Chemistry 1B, Engineering Materials and Chemistry, Electives including Sustainable Product Engineering and Design, Engineering Chemistry
YEAR 2
YEAR 3
YEAR 4

Career Opportunities
Typically, an industrial chemist is a scientist working in the chemical and process industries: as a research scientist, development chemist, technical representative and as a plant/company manager. Graduates may find employment with pharmaceutical, cosmetic, food industries; mineral processing plants; polymer, new materials, paper, fertiliser and wine making industries, major companies involved in pollution control.

Professional Recognition
This degree is accredited by the Royal Australian Chemical Institute and Engineers Australia.

Combined Programs
BE (Industrial Chemistry)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www chse.unsw.edu.au

BE (Industrial Chemistry)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www chse.unsw.edu.au

BE (Industrial Chemistry)/Bachelor of Science
Program code 3702
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www chse.unsw.edu.au

SEE ALSO
Bachelor of Engineering (Bioinformatics) - page 57
Bachelor of Engineering (Computer Engineering) - page 58
Bachelor of Engineering (Software Engineering) - page 58
Bachelor of Engineering (Surveying) - page 71
Bachelor of Science and Bachelor of Science (Advanced) in various majors - pages 67-69
Bachelor of Science (Computer Science) - page 58

* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

Note:
Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fees increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
### GEONFORMATION SYSTEMS

**BE (Geoinformation Systems)**

<table>
<thead>
<tr>
<th>Program code</th>
<th>Faculty Engineering</th>
<th>Minimum years</th>
<th>Units of Credit</th>
<th>Semester 2 entry</th>
<th>Estimated first year tuition</th>
<th>Estimated fee to complete</th>
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<tbody>
<tr>
<td>3742</td>
<td></td>
<td>4 years</td>
<td>48/192</td>
<td>Yes*</td>
<td>A$30,360</td>
<td>A$135,880</td>
</tr>
</tbody>
</table>

**Assumed knowledge**

- Maths and Physics

**Online Handbook** [www.handbook.unsw.edu.au](http://www.handbook.unsw.edu.au)

**Website** [www.gmat.unsw.edu.au](http://www.gmat.unsw.edu.au)

GeoInformation Systems (GIS) technologies link information in space and time. GIS consists of computerised layers of information on roads, buildings, underground services, vegetation, retail outlets, population distribution and so on, and links these with digital devices giving real time information for all sorts of engineering and business applications.

**Program Structure**

A typical program sequence is shown below:

**Year 1**
- Mathematics, Physics, Computing 1, Engineering Design, Surveying and GIS, Electives including: Computing 2 and Land Resource Assessment

**Year 2**
- Computing 2, Engineering Design in Computing, GIS in Practice, Surveying Computations and CAD, Data Analysis by Least Squares, Geodesy and Spatial Reference, Numerical Methods and Statistics, Electives, General Education courses

**Note:** If Computing 2 is taken as a Year 1 elective, Software Construction is a suggested Year 2 elective. Another acceptable elective is Electronic Survey Instruments.

**Year 3**

**Year 4**

**Career Opportunities**

Graduates are highly employable in a growing variety of careers using GPS, geodatabase systems, satellite imagery and remote sensing to enable effective decision making in areas from emergency services and health, to management of resources and the environment.

**Professional Recognition**

The Bachelor of Engineering (GeoInformation Systems) was introduced in 2010 and therefore is not yet recognised by Engineers Australia for admission of its graduates as corporate members. Professional recognition will be sought.

### MANUFACTURING ENGINEERING AND MANAGEMENT

**BE (Manufacturing Engineering and Management)**

<table>
<thead>
<tr>
<th>Program code</th>
<th>Faculty Engineering</th>
<th>Minimum years</th>
<th>Units of Credit</th>
<th>Semester 2 entry</th>
<th>Estimated first year tuition</th>
<th>Estimated fee to complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>3710</td>
<td></td>
<td>4 years</td>
<td>48/192</td>
<td>Yes*</td>
<td>A$30,360</td>
<td>A$135,880</td>
</tr>
</tbody>
</table>

**Assumed knowledge**

- Maths, Physics and Chemistry

**Online Handbook** [www.handbook.unsw.edu.au](http://www.handbook.unsw.edu.au)

**Website** [www.mech.unsw.edu.au](http://www.mech.unsw.edu.au)

Manufacturing engineers are involved in product design and development, manufacturing companies of all types, service providers such as banks or forwarding agencies, distribution companies, warehousing and logistics, consulting companies undertaking a variety of tasks such as the economic analysis of planning and implementation of strategies and technologies.

**Program Structure**

**YEARS 1 AND 2**
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 and Year 2 courses on page 45

**YEARS 3**
- Linear Systems and Control, Mechanics of Solids, Product and Manufacturing Design, Manufacturing Operations, Manufacturing Facilities Design 1, Experimental and Reliability Engineering, Computer Applications in Manufacturing, General Education courses

**YEAR 4**
- Manufacturing Management, Strategic Manufacturing and Accounting, Production Planning and Control, Professional Engineering, Thesis, Electives

**Career Opportunities**

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

**Professional Recognition**

This degree is accredited by Engineers Australia.
BE (Manufacturing Engineering and Management)/Bachelor of Commerce
Program code 3711
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

MATERIALS SCIENCE AND ENGINEERING
BE (Physical Metallurgy, Process Metallurgy, Materials Engineering or Ceramic Engineering)
Program code 3135
Faculty Science
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths and Physics
Website www.materials.unsw.edu.au

Materials Science and Engineering is a broad-ranging discipline, which applies the principles of science and engineering to the development of metallic, ceramic and polymeric materials, their manufacture into finished products and their subsequent performance in service. Major areas of study are Physical Metallurgy, Process Metallurgy, Materials Engineering and Ceramic Engineering.

Program Structure

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

YEAR 2

YEAR 3

YEAR 4
Materials Engineering Project, Professional Electives, General Education courses

Sample List of Professional Electives:

Career Opportunities
Materials Science and Engineering graduates may find employment with primary production industries, research and development in industrial laboratories or research institutions, consultants, the materials-producing industries, utilities (such as power generators, railways and airlines) or the manufacturing sector.

Professional Recognition
This degree is accredited by Engineers Australia.

Combined Programs
BE (Materials Science and Engineering) /Bachelor of Commerce
Program code 3136
Faculty Science
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths and Physics

Website www.materials.unsw.edu.au

BE (Materials Science and Engineering) /Master of Biomedical Engineering
Program code 3138
Faculty Science
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$176,000
Assumed knowledge Maths and Physics

Website www.materials.unsw.edu.au

BE (Materials Science and Engineering) /BE (Chemical Engineering)
Program code 3137
Faculty Science/Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$174,800
Assumed knowledge Maths and Physics

Website www.materials.unsw.edu.au

This combined-degree program is designed for students wishing to pursue a career in materials/chemical engineering with professional accreditation in both disciplines. The Bachelor of Engineering in Materials Science and Engineering has specialised academic plans in Process Metallurgy, Physical Metallurgy, Ceramic Engineering or Materials Engineering. The program includes industrial experience of a minimum of 12 weeks to be taken during vacation period.

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

MECHANICAL ENGINEERING
BE (Mechanical Engineering)
Program code 3710
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry

Website www.mech.unsw.edu.au

Mechanical engineers are engaged in a very broad range of engineering activities. These include the conversion and utilisation of energy resources, the design of vehicles, the supply of building services and maintenance in all aspects of industry. They can be involved in computer-aided analysis and design, instrumentation and testing and manufacturing technology, including robotics and automation.

Program Structure

YEARS 1 AND 2
See Bachelor of Engineering (Aerospace Engineering) entry for Year 1 and Year 2 courses on page 45

YEAR 3
Linear Systems and Control, Mechanics of Solids, Engineering Mechanics, Mechanical Design, Engineering Experimentation, Computational Engineering, Advanced Thermofluids, General Education courses

YEAR 4
Engineering Management, Professional Engineering, Mechanical Design 2, Fundamentals and Advanced Vibrations, Professional Electives, Thesis

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

Professional Recognition
This degree is accredited by Engineers Australia.

Note:
* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

www.international.unsw.edu.au
E

Engineering
[BE (Mechanical Eng.)/B. Arts, BE (Mechanical Eng.)/B. Commerce, BE (Mechanical Eng.)/B. Science, BE (Mechatronic Eng.), BE (Mechatronic Eng.)/B. Arts, BE (Mechatronic Eng.)/B. Commerce, BE (Mechatronic Eng.)/B. Science, BE (Mining Eng.)]

Combined Programs
BE (Mechanical Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechanical Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechanical Engineering)/Bachelor of Science
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechatronic Engineering)/Bachelor of Arts
Program code 3715
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

MECHATRONIC ENGINEERING(114,652),(904,684)

BE (Mechatronic Engineering)
Program code 3710
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechatronic Engineering)/Bachelor of Arts
Program code 3715
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechatronic Engineering)/Bachelor of Science
Program code 3711
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

MINING ENGINEERING

BE (Mining Engineering)
Program code 3140
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mining.unsw.edu.au

Mining Engineering is concerned with the technical, financial and management aspects of mineral resource recovery, processing, marketing, financing and management. Mining Engineering programs include elements from a number of other disciplines such as geology, metallurgy, commerce, economics and management.

Program Structure
A typical program sequence is shown below:
YEAR 1

YEAR 2
Engineering Mathematics, Mining Project Development, Fluids and Thermodynamics, Numerical Methods and Statistics, Structural Mechanics, Minerals and Processing, Mining Services, General Education courses

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

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

This degree is accredited by Engineers Australia.

Combined Programs
BE (Mechatronic Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechatronic Engineering)/Bachelor of Science
Program code 3711
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mining Engineering)
Program code 3140
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mining.unsw.edu.au

Mining Engineering is concerned with the technical, financial and management aspects of mineral resource recovery, processing, marketing, financing and management. Mining Engineering programs include elements from a number of other disciplines such as geology, metallurgy, commerce, economics and management.

Program Structure
A typical program sequence is shown below:
YEAR 1

YEAR 2
Engineering Mathematics, Mining Project Development, Fluids and Thermodynamics, Numerical Methods and Statistics, Structural Mechanics, Minerals and Processing, Mining Services, General Education courses

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

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

This degree is accredited by Engineers Australia.

Combined Programs
BE (Mechatronic Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mechatronic Engineering)/Bachelor of Science
Program code 3711
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

MINING ENGINEERING

BE (Mining Engineering)
Program code 3140
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mining.unsw.edu.au

Mining Engineering is concerned with the technical, financial and management aspects of mineral resource recovery, processing, marketing, financing and management. Mining Engineering programs include elements from a number of other disciplines such as geology, metallurgy, commerce, economics and management.

Program Structure
A typical program sequence is shown below:
YEAR 1

YEAR 2
Engineering Mathematics, Mining Project Development, Fluids and Thermodynamics, Numerical Methods and Statistics, Structural Mechanics, Minerals and Processing, Mining Services, General Education courses

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

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

This degree is accredited by Engineers Australia.
Career Opportunities
Many mining engineers spend between one and three years gaining work experience at mine sites and may then elect to gain their statutory mine manager’s qualifications. Opportunities for mining engineers exist in a range of areas, including mine production and management, corporate management, financial analysis and merchant banking, computer software development and automation, consulting, and government.

Professional Recognition
This degree is accredited by Engineers Australia, the Australasian Institute of Mining and Metallurgy and the corresponding professional bodies in the United States, the United Kingdom and other countries. The degree is also accredited for Statutory Mine Managers Certificates, both coal and metalliferous, throughout Australia and internationally.

Combined Programs

BE (Mining Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry None
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths, Physics and Chemistry
Website www.mining.unsw.edu.au

BE (Mining Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Mining Engineering)/Bachelor of Science
Program code 3710
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

NAVAL ARCHITECTURE

BE (Naval Architecture)
Program code 3710
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

NAVAL ARCHITECTURE

BE (Naval Architecture)
Program code 3715
Faculty Engineering
Minimum years 4.5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Naval Architecture)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Naval Architecture)/Bachelor of Science
Program code 3711
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

PETROLEUM ENGINEERING

BE (Petroleum Engineering)
Program code 3045
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths, Physics and Chemistry
Website www.petrol.unsw.edu.au

BE (Petroleum Engineering)/Bachelor of Commerce
Program code 3045
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Petroleum Engineering)/Bachelor of Science
Program code 3040
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

BE (Petroleum Engineering)/Bachelor of Science
Program code 3040
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$176,840
Assumed knowledge Maths, Physics and Chemistry
Website www.mech.unsw.edu.au

Petroleum Engineering prepares graduates for careers in the production of oil and gas. It involves the application of basic chemistry, physics, mathematics and geology to the development of petroleum and other subsurface energy resources.

Program Structure
A typical program sequence is shown below:

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

YEAR 2
Petroleum Engineering prepares graduates for careers in the production of oil and gas. It involves the application of basic chemistry, physics, mathematics and geology to the development of petroleum and other subsurface energy resources.

Program Structure
A typical program sequence is shown below:

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

YEAR 2
* Students starting an Engineering program in Semester 2 are required to complete a 12 month full-time work placement. Contact the Faculty of Engineering for further details.

Note:
Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.

Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
**E Engineering**


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**YEAR 2**


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**YEAR 3**


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**YEAR 4**


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**Career Opportunities**

Petroleum engineers have a number of career choices. They can work for oil/gas companies or oil service companies in Australia and internationally. Work will be a combination of outdoors and office work if they choose this type of career. Work with computer-generated modelling of reservoirs is another type of career.

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**Professional Recognition**

This degree is accredited by Engineers Australia.

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**Combined Programs**

**BE (Petroleum Engineering)/Bachelor of Arts**

Program code 3703  
Faculty Engineering  
Minimum years 5 years  
Units of Credit (per year/total) 48/240  
Semester 2 Entry No  
Estimated first year tuition $30,360  
Estimated fee to complete $197,620  
Assumed knowledge Maths, Physics and Chemistry  
Website www.petrol.unsw.edu.au

**BE (Petroleum Engineering)/Bachelor of Science**

Program code 3047  
Faculty Engineering  
Minimum years 5 years  
Units of Credit (per year/total) 48/240  
Semester 2 entry No  
Estimated first year tuition $30,360  
Estimated fee to complete $176,840  
Assumed knowledge Maths, Physics and Chemistry  
Website www.petrol.unsw.edu.au

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**BE (Photonic Engineering)**

Program code 3644  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/192  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths  
Website www.eet.unsw.edu.au

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**BE (Photovoltaics and Solar Energy)**

Program code 3715  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/264  
Semester 2 entry No  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths, Physics and Chemistry  
Website www.eet.unsw.edu.au

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**BE (Photovoltaics and Solar Energy)**

Program code 3642  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/192  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths and Physics  
Website www.pv.unsw.edu.au

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**Combined Programs**

**BE (Photonic Engineering)/Bachelor of Arts**

Program code 3703  
Faculty Engineering  
Minimum years 5 years  
Units of Credit (per year/total) 48/264  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $197,620  
Assumed knowledge Maths, Physics and Chemistry  
Website www.eet.unsw.edu.au

**BE (Photonic Engineering)/Bachelor of Science**

Program code 3644  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/192  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $185,140  
Assumed knowledge Maths, Physics and Chemistry  
Website www.eet.unsw.edu.au

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**PHOTONIC ENGINEERING**

**BE (Photonic Engineering)**

Program code 3644  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/192  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths  
Website www.eet.unsw.edu.au

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**BE (Photovoltaics and Solar Energy)**

Program code 3715  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/264  
Semester 2 entry No  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths, Physics and Chemistry  
Website www.eet.unsw.edu.au

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**PHOTOVOLTAICS AND SOLAR ENERGY**

**BE (Photovoltaics and Solar Energy)**

Program code 3642  
Faculty Engineering  
Minimum years 4 years  
Units of Credit (per year/total) 48/192  
Semester 2 entry Yes*  
Estimated first year tuition $30,360  
Estimated fee to complete $135,880  
Assumed knowledge Maths and Physics  
Website www.pv.unsw.edu.au

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Photovoltaics (solar cells) are devices that convert sunlight directly into electricity and are capable of powering virtually any electrical load using only energy from the sun. Photovoltaic engineering is concerned with the production and use of solar cells and the design and implementation of photovoltaic systems.
Program Structure
A typical program sequence is shown below:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Units of Credit (per year/total)</th>
<th>Faculty Engineering</th>
<th>Minimum years</th>
<th>Estimated first year tuition</th>
<th>Assumed knowledge</th>
<th>Program code</th>
<th>Estimated fee to complete</th>
<th>Government programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR 1</td>
<td>48/264</td>
<td>3715</td>
<td>5.5 years</td>
<td>A$30,360</td>
<td>Maths and Physics</td>
<td>3715</td>
<td>A$197,620</td>
<td></td>
</tr>
<tr>
<td>YEAR 2</td>
<td>48/240</td>
<td>3703</td>
<td>5 years</td>
<td>A$30,360</td>
<td>Maths and Physics</td>
<td>3703</td>
<td>A$165,140</td>
<td></td>
</tr>
<tr>
<td>YEAR 3</td>
<td>48/240</td>
<td>3715</td>
<td>5.5 years</td>
<td>A$30,360</td>
<td>Maths and Physics</td>
<td>3715</td>
<td>A$197,620</td>
<td></td>
</tr>
</tbody>
</table>

Estimated fees to complete include tuition plus an estimate of total program costs are indicative only. Indicative fees estimated fees to complete include tuition plus an estimate of total program costs are indicative only. Indicative fees

Recent studies, publications and media releases indicate that large numbers of jobs are created globally in all aspects of photovoltaic and renewable energy engineering including: manufacturing, quality control and reliability, computer-aided design of devices and systems, research and education, system design and analysis, balance of system areas, fault diagnosis and modelling, marketing, policy formation and planning, programs in developing countries.

Combined Programs

BE (Photovoltaics and Solar Energy)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths and Physics
Website www.pv.unsw.edu.au

BE (Photovoltaics and Solar Energy)/Bachelor of Science
Program code 3655
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$135,880
Assumed knowledge Maths and Physics
Website www.pv.unsw.edu.au

RENEWABLE ENERGY ENGINEERING

YEARS 4
Biomass, Strategic Leadership and Ethics, Life Cycle Assessment, Professional Elective, Thesis


Career Opportunities
Recent studies, publications and media releases indicate that large numbers of jobs are created globally in all aspects of photovoltaic and renewable energy engineering including: manufacturing, quality control and reliability, computer-aided design of devices and systems, research and education, system design and analysis, balance of system areas, fault diagnosis and modelling, marketing, policy formation and planning, programs in developing countries.

Professional Recognition
This degree is accredited by Engineers Australia for the particular sub-discipline of Renewable Energy.

Combined Programs

BE (Renewable Energy Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$30,360
Estimated fee to complete A$165,140
Assumed knowledge Maths and Physics
Website www.pv.unsw.edu.au

BE (Renewable Energy Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,360
Estimated fee to complete A$197,620
Assumed knowledge Maths and Physics
Website www.pv.unsw.edu.au

* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

Not to study
Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.

Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
BE (Renewable Energy Engineering)/Bachelor of Science
Program code 3658
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$33,360
Estimated fee to complete A$176,840
Assumed knowledge Maths and Physics
Website www.pv.unsw.edu.au

TELECOMMUNICATIONS ENGINEERING
BE (Telecommunications Engineering)
Program code 3643
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$136,000
Assumed knowledge Maths and Physics
Website www.eet.unsw.edu.au

BE (Telecommunications Engineering)/Bachelor of Science
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$165,260
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

BE (Telecommunications Engineering)/Bachelor of Arts
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$197,740
Assumed knowledge Maths, Physics and Chemistry
Website www.eet.unsw.edu.au

Food Science and Technology
Bachelor of Science (Food Science and Technology)
Program code 3060
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes
Estimated first year tuition A$30,360
Estimated fee to complete A$137,680
Estimated fee to complete $300 per year for lab-based programs and $600 for field trips
Assumed knowledge Maths and Science
Website www.foodscience.unsw.edu.au

Food Science is a profession that builds on fundamental knowledge and leading-edge developments in sciences such as chemistry, microbiology, biochemistry and biotechnology to optimise the quality and safety of foods through appropriate processing and packaging for a wide variety of food markets, both national and international.

Program Structure
YEAR 1
Molecules, Cells and Genes, Introduction to Food Science, Mathematics for Life Sciences, Statistics for Life and Social Sciences, Sustainable Food Manufacture, Fundamentals of Physics, Essentials of Chemistry 1B or Higher Chemistry 1A, Essentials of Chemistry 1B or Higher Chemistry 1B
YEAR 2
Food Chemistry 1, Food Processing Principles, Food Microbiology, Microbiology 1, Principles of Biochemistry (Advanced) or Fundamentals of Biochemistry, Principles of Molecular Biology (Advanced) or Fundamentals of Molecular Biology, General Education courses
YEAR 3
Food Preservation, Nutrition, Unit Operations in Food Processing, Product Design and Development, Food Safety and Quality Assurance, Food Science and Technology Lab, Food Toxicology, General Education courses
YEAR 4
Stream A: Industry Liaison, Project or Minor Project, plus a combination of Electives (sample list): Biotechnology, Commercial Biotechnology, Microeconomics, Macroeconomics, Advanced Food Chemistry, Forensic Food Science, Advanced Food Microbiology, Advanced Nutrition, Advanced Food Processing, Business Data Management, Marketing Fundamentals, Physiology, or
Stream B: Industry Module Program Industry Liaison, Industry Practicum

Career Opportunities
Professional opportunity is diverse and includes areas such as: processing and production, quality management, product design and development, information technology and service or management within companies or state and commonwealth governments.

E - F
Engineering - Food Science and Technology
BE (Renewable Energy Engineering)/B. Science, BE (Telecommunications Engineering), BE (Telecommunications Engineering)/B. Arts, BE (Telecommunications Engineering)/B. Commerce, BE (Telecommunications Engineering)/B. Science, B. Science (Food Science and Technology)
Food Science (Honours Year)
Program code 3065
Faculty Engineering
Minimum years 1 year
Units of Credit (per year/total) 48/48
Semester 2 entry Yes
Estimated first year tuition A$30,360
Estimated fee to complete A$30,360
Assumed knowledge Completion of a relevant Bachelor degree
Website www.foodscience.unsw.edu.au

This program is designed to provide extensive research training in some aspects of food science and technology at undergraduate level. The research orientation of the program, compared to the Graduate Diploma, facilitates entry into a research higher degree (Master of Science/PhD) upon completion of Honours at a satisfactory level.

SEE ALSO Bachelor of Science with major in Food Science page 67

Information Technology

BIOINFORMATICS

BE (Bioinformatics)
Program code 3647
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes*
Estimated first year tuition A$30,600
Estimated fee to complete A$167,300
Assumed knowledge Maths and Chemistry
Website www.cse.unsw.edu.au

Recent developments in genomics and related disciplines have led to an explosive growth in biological information. Data is being generated faster than it can be analysed and utilised. Bioinformatics is an emerging discipline at the confluence of computing and life sciences aimed at development of technologies for storing, extracting, organising, analysing, interpreting and utilising this wealth of information.

Program Structure

YEAR 1
Bioinformatics, Molecules, Cells and Genes, Computing, Chemistry, Mathematics

YEAR 2
Principles of Molecular Biology (Advanced), Software Construction, Engineering Design in Computing, Discrete Mathematics, Statistics, 2 of the following: Genetics, Biochemistry, Microbiology, Cell Biology, Software Project Management

YEAR 3
Bioinformatics Methods and Applications, Computational Bioinformatics, Molecular Biology of Nucleic Acids, Algorithms and Programming Techniques, Database Systems, Life Science Elective, Computing/Maths Elective, Open Elective

YEAR 4
Professional Issues and Ethics for Bioinformatics, Thesis, Life Science Elective, Computing/Maths Elective, Open Elective, General Education courses

Career Opportunities
Graduates may find employment with biotechnology and pharmaceutical companies, companies in the information and communications technology sector, public sector organisations, public and private research organisations.

Professional Recognition
This degree is accredited by Engineers Australia and graduates are eligible for membership of the Australian Computer Society.

Combined Programs
BE (Bioinformatics)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,600
Estimated fee to complete A$167,300
Assumed knowledge Maths and Chemistry
Website www.cse.unsw.edu.au

BE (Bioinformatics)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,600
Estimated fee to complete A$198,670
Assumed knowledge Maths and Chemistry
Website www.cse.unsw.edu.au

BE (Bioinformatics)/Bachelor of Science
Program code 3755
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,600
Estimated fee to complete A$177,410
Assumed knowledge Maths and Chemistry
Website www.cse.unsw.edu.au

* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

www.international.unsw.edu.au
Information Technology
[BE (Computer Engineering)/B. Arts, BE (Computer Engineering)/B. Commerce, BE (Computer Engineering)/B. Science, BE (Software Engineering), BE (Software Engineering)/B. Arts, BE (Software Engineering)/B. Commerce, BE (Software Engineering)/B. Science, B. Science (Computer Science)]

Combined Programs

BE (Computer Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$176,960
Assumed knowledge Maths and Physics
Website www.cse.unsw.edu.au

BE (Computer Engineering)/Bachelor of Commerce
Program code 3715
Faculty Engineering
Minimum years 5.5 years
Units of Credit (per year/total) 48/264
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$197,740
Assumed knowledge Maths and Physics
Website www.cse.unsw.edu.au

BE (Computer Engineering)/Bachelor of Science
Program code 3726
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes*
Estimated first year tuition A$30,480
Estimated fee to complete A$176,960
Assumed knowledge Maths and Physics
Website www.cse.unsw.edu.au

SEE ALSO Bachelor of Engineering (Computer Engineering)/Master of Biomedical Engineering - page 46

SOFTWARE ENGINEERING

BE (Software Engineering)
Program code 3648
Faculty Engineering
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes
Estimated first year tuition A$30,480
Estimated fee to complete A$136,000
Assumed knowledge Maths
Website www.cse.unsw.edu.au

BE (Software Engineering)/Bachelor of Arts
Program code 3703
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$30,480
Estimated fee to complete A$197,740
Assumed knowledge Maths
Website www.cse.unsw.edu.au

BE (Software Engineering)/Bachelor of Commerce
Program code 3653
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$30,480
Estimated fee to complete A$197,740
Assumed knowledge Maths
Website www.cse.unsw.edu.au

BE (Software Engineering)/Bachelor of Science
Program code 3651
Faculty Engineering
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$30,480
Estimated fee to complete A$176,960
Assumed knowledge Maths
Website www.cse.unsw.edu.au

COMPUTER SCIENCE

Bachelor of Science (Computer Science)
Program code 3978
Faculty Engineering
Minimum years 3 years
Units of Credit (per year/total) 48/144
Semester 2 entry Yes
Estimated first year tuition A$30,480
Estimated fee to complete A$99,240
Assumed knowledge Maths
Website www.cse.unsw.edu.au

Computer Science is concerned with the core principles and technologies that make up the entire range of computer-based systems. It studies the principles underlying computer hardware, algorithms, operating systems, networks, databases, graphics and artificial intelligence, and also the practice of building such systems.

Program Structure
YEAR 1
Computing, Mathematics, Discrete Mathematics, 3 Electives
YEAR 2
Software Construction, Microprocessors and Interfacing, Engineering Design in Computing, Electives, General Education courses
YEAR 3
Software Project Management, Systems analysis and Interfacing, Engineering Design in Computing, Electives, General Education courses

Career Opportunities
Graduates are employed in a wide range of industries, in government departments and private firms (including software development companies like Microsoft, IBM and Sun Microsystems). The most common job classification is programmer or analyst/programmer, but some graduates find that working more with people in user support, or as a network administrator, is more to their liking.

Professional Recognition
Graduates are eligible for membership of the Australian Computer Society and the Association for Computing Machinery, the peak industry/academic body in North America.
The Bachelor of Information Systems is a highly prized qualification that provides business skills along with a major in information systems. This three-year degree prepares you for technology-focused careers in systems development, and provides you with the essential skills and knowledge for developing and implementing information technology solutions for businesses.

The degree combines information systems and information technology knowledge with business skills to demonstrate how information systems can be used to achieve business objectives. Students are encouraged to undertake 60 days of industrial experience which will be recorded on a supplementary transcript.

**Program Structure**

**YEAR 1**

Accounting and Financial Management 1A and 1B, Computing 1, Data Structures and Algorithms, Information Systems in Business, Business Data Management, 2 Mathematics courses

**YEAR 2**

Systems Analysis and Design 1, Infrastructure and Security, Systems Delivery and Implementation, 1 Mathematics course, 3 Electives, General Education courses

**YEAR 3**

Systems Analysis and Design 2, Project Workshop, Data and Information Management, 2 Information Systems Electives, 2 Electives, General Education courses

**Career Opportunities**

Graduates can move into almost any career in a variety of business sectors. Where you choose to work is entirely up to you. Organisations are always looking for ‘IT Savvy’ business graduates who understand the technical issues surrounding and impacting their business. A career in information systems not only provides job flexibility and great earning potential but the opportunity to make a difference in the world of technology.

**Professional Recognition**

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

**SEE ALSO**

Bachelor of Commerce with major in Information Systems

- page 37

Bachelor of Commerce/Bachelor of Information Systems - page 38

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**Combined Programs**

**Bachelor of Science/Bachelor of Science (Computer Science)**

- Program code 3983
- Faculty Engineering
- Minimum years 4 years
- Units of Credit (per year/total) 48/192
- Semester 2 entry Yes*
- Estimated first year tuition A$30,720
- Estimated fee to complete A$137,770
- Assumed knowledge Maths


**Website** [www.cse.unsw.edu.au](http://www.cse.unsw.edu.au)

**Bachelor of Science (Computer Science)/Bachelor of Arts**

- Program code 3968
- Faculty Engineering
- Minimum years 4 years
- Units of Credit (per year/total) 48/192
- Semester 2 entry Yes*
- Estimated first year tuition A$28,020
- Estimated fee to complete A$123,790
- Assumed knowledge Maths


**Website** [www.cse.unsw.edu.au](http://www.cse.unsw.edu.au)

**Bachelor of Science (Computer Science)/Bachelor of Digital Media**

- Program code 3982
- Faculty Engineering
- Minimum years 4 years
- Units of Credit (per year/total) 48/192
- Semester 2 entry Yes
- Estimated first year tuition A$27,120
- Estimated fee to complete A$123,880
- Assumed knowledge Maths


**Website** [www.cse.unsw.edu.au](http://www.cse.unsw.edu.au)

**SEE ALSO**

Bachelor of Science (Computer Science)/Bachelor of Laws - page 61

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**INFORMATION SYSTEMS**

**Bachelor of Information Systems**

- Program code 3979
- Faculty Australian School of Business
- Minimum years 3 years
- Units of Credit (per year/total) 48/144
- Semester 2 entry Yes
- Estimated first year tuition A$30,720
- Estimated fee to complete A$101,400
- Assumed knowledge Maths


**Website** [www.asb.unsw.edu.au/futurestudents](http://www.asb.unsw.edu.au/futurestudents)

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**International Studies and Languages**

**Bachelor of International Studies**

- Program code 3424
- Faculty Arts and Social Sciences
- Minimum years 4 years
- Units of Credit (per year/total) 48/192
- Semester 2 entry No
- Estimated first year tuition A$23,760
- Estimated fee to complete A$107,920 (possible additional costs associated with overseas study placement – contact the Faculty for further details)
- Assumed knowledge None


**Website** [http://ssis.arts.unsw.edu.au](http://ssis.arts.unsw.edu.au)

The Bachelor of International Studies examines the dynamics of global and regional change; explores key developments in international relations and international economics; evaluates the implications of globalisation; encourages acquisition of relevant languages; and discusses questions centred on nationalism, political sovereignty, social change, multiculturalism, and transnational interaction in an increasingly integrated world.

**Program Structure**

This is a rigorous four-year program which includes:

- a core sequence of courses in International Relations
- a choice of one area of specialisation from six distinct and integrated programs of study including Globalisation Studies, Asian Studies, European Studies, Development Studies, Language Studies and International Business Studies
- language study
- a 12-month period of overseas study*

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

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* Students starting an Engineering program in Semester 2 may be required to complete summer semesters. Contact the Faculty of Engineering for further details.

**Note:** Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
International Studies and Languages - Law


Career Opportunities

Graduates can be found in diverse professions within international business and law; government agencies including foreign affairs; investment banks and other financial institutions with international links; non-government organisations, journalism and media and tourism and trade.

Combined Program

Bachelor of International Studies/Bachelor of Laws

Concurrent Diploma Program

Diploma in Languages

Program code 3417
Faculty Arts and Social Sciences
Minimum years 1 to 3 years
Units of Credit (per year/total) 48
Semester 2 entry Yes, depending on proficiency
Estimated first year tuition A$8,190
Estimated fee to complete A$25,020
(Assumed knowledge None)


This Diploma enables students from any Faculty to undertake the study of a language concurrently with their main degree. Students study a major sequence in a language to obtain the diploma. Languages available are: Chinese, French, German, Indonesian, Japanese, Korean and Spanish. Students who opt to take on the Diploma with their main degree should be aware that to complete their studies there will be additional fees for the diploma and costs associated with extending their student visa.

Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

SEE ALSO

Bachelor of Arts with majors in most modern languages - page 35

Law

The UNSW School of Law offers undergraduate study of law through the Combined Law Program for students with no previous degree.

The Bachelor of Laws is designed to equip students with the necessary skills and knowledge to become successful professionals, not only as solicitors or barristers but in the many other occupations in which a lawyer’s skills are valued. Our distinctive method of interactive small group teaching ensures that you will learn to think rigorously, express yourself clearly, master legal techniques, and develop independent research skills to a high level.

Program Structure

The law component of a typical five-year combined program is set out below. For further details refer to the UNSW Online Handbook web pages given below for each specific program.

YEAR 1
6 Non-Law courses, Foundations of Law, Torts

YEAR 2
4 Non-Law courses, Contracts 1 and 2, Public Law, Criminal Law 1 and 2

YEAR 3
4 Non-Law courses, Administrative Law, Law, Lawyers and Society, Property, Equity and Trusts 1 and 2

YEAR 4
4 Law and Social Theory or Legal Theory, Federal Constitutional Law, Business Associations 1, Litigation 1 and 2, Law Electives, Advanced Legal Research

YEAR 5
Law Electives

Career Opportunities

The Bachelor of Laws (LLB) satisfies the basic academic requirements for admission to practise as a barrister or solicitor. Many solicitors act as general practitioners of law, but more and more are specialising in particular areas of the law, (for example, commercial law, taxation, criminal law, industrial law). Many private and public sector institutions now employ their own lawyers, and extensive opportunities exist within regulatory and law enforcement agencies as well as the various branches of government.

Professional Recognition

Applicants should check with the legal education authority in their home country regarding recognition of UNSW law degrees for registration purposes.

To become admitted as a legal practitioner in New South Wales (NSW), it is necessary to satisfy the requirements of the NSW Legal Profession Admission Board (www.lawlink.nsw.gov.au/lpab). Certificates to practise as a barrister or solicitor are granted by the NSW Bar Association and the Law Society respectively. Note: Applicants should be aware that the Summer Clerkship positions offered to students in their second last year of study are generally only made available to citizens and permanent residents of Australia.

Bachelor of Art Theory/Bachelor of Laws

Program code 4703
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$25,020
Estimated fee to complete A$157,430
Assumed knowledge None

Website www.law.unsw.edu.au

Bachelor of Arts/Bachelor of Laws

Program code 4760
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Possibly, depending on the Arts major selected **
Estimated first year tuition A$25,020
Estimated fee to complete A$158,180
Assumed knowledge None

Website www.law.unsw.edu.au

Bachelor of Commerce/Bachelor of Laws

Program code 4733
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes**
Estimated first year tuition A$30,420
Estimated fee to complete A$171,500
Assumed knowledge Maths

Website www.law.unsw.edu.au

Bachelor of Economics/Bachelor of Laws

Program code 4744
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes**
Estimated first year tuition A$30,420
Estimated fee to complete A$171,500
Assumed knowledge Maths

Website www.law.unsw.edu.au

Bachelor of Engineering/Bachelor of Laws

Program code 4776
Faculty Law
Minimum years 6 years
Units of Credit (per year/total) 48/288
Semester 2 entry Yes
Estimated first year tuition A$30,060
Estimated fee to complete A$211,860
Assumed knowledge Maths, Physics and Chemistry

Website www.law.unsw.edu.au

Bachelor of International Studies/Bachelor of Laws

Program code 4765
Faculty Law
Minimum years 6 years (includes 2 semesters overseas)
Units of Credit (per year/total) 48/288
Semester 2 entry No
Estimated first year tuition A$25,020
Estimated fee to complete A$191,130 (possible additional costs from overseas study placement)
Assumed knowledge None

Website www.law.unsw.edu.au
Bachelor of Jurisprudence/Bachelor of Laws
Program code 4780
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$28,800
Estimated fee to complete A$167,480
Assumed knowledge None
Website www.law.unsw.edu.au

Bachelor of Media/Bachelor of Laws
Program code 4781
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$25,020
Estimated fee to complete A$158,180
Assumed knowledge None
Website www.law.unsw.edu.au

Bachelor of Planning/Bachelor of Laws
Program code 4707
Faculty Law
Minimum years 7 years (with 2 semesters work experience)
Units of Credit (per year/total) 48/336
Semester 2 entry No
Estimated first year tuition A$26,970
Estimated fee to complete A$167,840
Assumed knowledge None
Website www.law.unsw.edu.au

Bachelor of Social Science/Bachelor of Laws
Program code 3984
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$30,420
Estimated fee to complete A$171,830
Assumed knowledge Maths
Website www.law.unsw.edu.au

Bachelor of Social Science/Bachelor of Laws
Program code 3981
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$30,420
Estimated fee to complete A$171,830
Assumed knowledge History
Website www.law.unsw.edu.au

Bachelor of Social Science (Criminology)/Bachelor of Laws
Program code 4763
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No
Estimated first year tuition A$25,020
Estimated fee to complete A$158,180
Assumed knowledge None
Website www.law.unsw.edu.au

Bachelor of Social Science (Criminology)/Bachelor of Laws
Program code 4761
Faculty Law
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes
Estimated first year tuition A$25,020
Estimated fee to complete A$158,180
Assumed knowledge None
Website www.law.unsw.edu.au

Bachelor of Social Work/Bachelor of Laws
Program code 4785
Faculty Law
Minimum years 6 years
Units of Credit (per year/total) 48/288
Semester 2 entry No
Estimated first year tuition A$27,180
Estimated fee to complete A$190,650
Assumed knowledge None
Website www.law.unsw.edu.au

Note:
Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year. Students will start non-law courses in July. Law studies commence in Semester 1 the following year.

Bachelor of Media in Communication and Journalism
Program code 3429
Faculty Arts and Social Sciences
Minimum years 3 years
Units of Credit (per year/total) 48/144
Semester 2 entry No
Estimated first year tuition A$23,760
Estimated fee to complete A$78,600
Assumed knowledge None
Website http://empa.arts.unsw.edu.au

The Bachelor of Media in Communication and Journalism is a three-year degree which provides practical and theoretical skills in contemporary journalism. The program prepares students for professional work relevant to journalism in the digital age, as well as public relations and advertising, corporate and organisational communication and public sector communication. Students are able to choose electives from a wide range of courses in public relations, writing for digital media, digital media production, marketing, creative writing and an industry internship.

Program Structure
The following is a sample program and may be subject to change. See the UNSW Online Handbook for details on the degree structure.

YEAR 1
2 Media Core courses, 2 Major Core courses, Major Elective, Open Elective, 2 Arts Minor courses
Core courses include: Media, Culture and Everyday Life; Media, Society, Politics; Media Literacies; Communications: Contexts and Practices

YEAR 2
2 Media Core courses, 2 Major Core courses, Major Elective, 2 Arts Minor courses, General Education course

YEAR 3
2 Media Core courses, Major Core course, Major Elective, Open Elective, 2 Arts Minor courses, General Education course

Career Opportunities
The program enables students to develop skills and knowledge for professional work relevant to journalism, corporate and organisational communication and public sector communication.

Combined Program
Bachelor of Media/Bachelor of Laws - page 60

L - M

Law - Media and Communications

[Media and Communication]
M

Media and Communications
[B. Media in Media Production, B. Media in Public Relations and Advertising, B. Media in Screen and Sound]

**Bachelor of Media in Media Production**

Program code 3428

Faculty Arts and Social Sciences

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$78,600

Assumed knowledge None


Website [http://empa.arts.unsw.edu.au](http://empa.arts.unsw.edu.au)

The Bachelor of Media in Media Production emphasises practical and theoretical skills in contemporary interactive media. Students focus on specialist practice learning in contemporary digital media production as well as electives from a wide selection of courses in digital media, design and production, computer game design, interactive environments and advanced web design.

**Program Structure**

The following is a sample program and may be subject to change. See the UNSW Online Handbook for details on the degree structure.

**YEAR 1**

2 Media Core courses, 2 Major Core courses, Major Elective, Open Elective, 2 Arts Minor courses

Core courses include: Media, Culture and Everyday Life; Media, Society, Politics; Time, Space and Experience; Media Literacies

**YEAR 2**

2 Media Core courses, 2 Major Core courses, Major Elective, 2 Arts Minor courses, General Education course

**YEAR 3**

2 Media Core courses, Major Core course, Major Elective, Open Elective, 2 Arts Minor courses, General Education course

**Career Opportunities**

Career options include web design and production, gaming and interactive virtual environments, and other areas of media production, design and distribution. This program enables students to develop foundational skills and knowledge for professional work as content producers in the evolving contemporary media industry.

**Combined Program**

Bachelor of Media/Bachelor of Laws - page 61

**Bachelor of Media in Public Relations and Advertising**

Program code 3434

Faculty Arts and Social Sciences

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$78,600

Assumed knowledge None


Website [http://empa.arts.unsw.edu.au](http://empa.arts.unsw.edu.au)

The Bachelor of Media in Public Relations (PR) and Advertising offers students theoretical and applied knowledge and skills in PR and advertising. The program aims to develop PR and advertising leaders who inspire innovation and change at all levels of society and adhere to the highest ethical standards. Students are encouraged to think beyond industry specific problems to reflect on the broader socio-cultural, political and economic implications of the roles and responsibilities of PR and advertising.

**Program Structure**

The following is a sample program and may be subject to change. See the UNSW Online Handbook for details on the degree structure.

**YEAR 1**

2 Media Core courses, 2 Major Core courses, Major Elective, Open Elective, 2 Arts Minor courses

Core courses include: Media, Culture and Everyday Life; Media, Society, Politics; Media, Industry Contexts; Public Relations Practices

**YEAR 2**

2 Media Core courses, 2 Major Core courses, Major Elective, 2 Arts Minor courses, General Education course

**YEAR 3**

2 Media Core courses, Major Core course, Major Elective, Open Elective, 2 Arts Minor courses, General Education course

**Career Opportunities**

Career options include web design and production, gaming and interactive virtual environments, and other areas of media production, design and distribution. This program enables students to develop foundational skills and knowledge for professional work as content producers in the evolving contemporary media industry.

**Combined Program**

Bachelor of Media/Bachelor of Laws - page 61

**Bachelor of Media in Screen and Sound**

Program code 3433

Faculty Arts and Social Sciences

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$78,600

Assumed knowledge None


Website [http://empa.arts.unsw.edu.au](http://empa.arts.unsw.edu.au)

The Bachelor of Media in Screen and Sound emphasises practical skills in video and sound production and theoretical skills in contemporary media, with a particular focus on film theory. Students may choose electives from a wide selection of courses in video production, audio design, working with image and sound, photography, the Hollywood system, film genres and styles, and documentary film and history.

**Program Structure**

The following is a sample program and may be subject to change. See the UNSW Online Handbook for details on the degree structure.

**YEAR 1**

2 Media Core courses, 2 Major Core courses, Major Elective, Open Elective, 2 Arts Minor courses

Core courses include: Media, Culture and Everyday Life; Media, Society, Politics; Media Literatures; Introduction to Film Studies; Digital Video 1

**YEAR 2**

2 Media Core courses, 2 Major Core courses, Major Elective, 2 Arts Minor courses, General Education course

**YEAR 3**

2 Media Core courses, Major Core course, Major Elective, Open Elective, 2 Arts Minor courses, General Education course

**Career Opportunities**

This program enables students to develop skills and knowledge for professional work in the audio visual industry such as television and film production, sound design, editing, and film criticism and research.

**Combined Program**

Bachelor of Media/Bachelor of Laws - page 61
Medical Science - Bachelor of Medical Science

**Program code:** 3991

**Faculty:** Science

**Minimum years:** 3 years

**Units of Credit (per year/total):** 48/144

**Semester 2 entry:** No

**Estimated first year tuition:** A$30,960

**Estimated fee to complete:** A$101,640

**Assumed knowledge:** Maths and Chemistry


**Website:** [www.science.unsw.edu.au](http://www.science.unsw.edu.au)

Medical Science is the area of science which underpins the practice of medicine. It incorporates the study of structure and chemistry of the cells that make up living organisms (cell and molecular biology and biochemistry) with particular reference to humans, and specifically of the structure and function of the human body (anatomy and physiology). It then deals with the general processes leading to disease (pathology), the role of bacteria, viruses and other micro-organisms in disease (microbiology) as well as drugs which are used to cure human diseases (pharmacology). Other areas of study include the way in which our form and function is inherited (genetics), the processes of development from the fertilised ovum (embryology), the natural defences of the body (immunology) and the study of the structure and function of the brain (neuroscience).

**Program Structure**

**YEAR 1**
- Evolutionary and Functional Biology
- Molecules, Cells and Genes
- Chemistry
- Perspectives in Medical Science
- Introductory Biotechnology
- Electives

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

**YEAR 3**
- Courses taken from disciplines including: Anatomy, Biochemistry, Genetics, Microbiology and Immunology, Pathology, Physiology, Pharmacology, Neuroscience; General Education courses

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

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Medicinal Chemistry - Bachelor of Medicinal Chemistry

**Program code:** 3992

**Faculty:** Science

**Minimum years:** 4 years

**Units of Credit (per year/total):** 48/192

**Semester 2 entry:** No

**Estimated first year tuition:** A$30,960

**Estimated fee to complete:** A$139,600

**Assumed knowledge:** Maths and Chemistry


**Website:** [www.science.unsw.edu.au](http://www.science.unsw.edu.au)

The Bachelor of Medicinal Chemistry encompasses all aspects of new drug design and development from the initial concept and design of drug candidates, planning and execution of their synthesis including scale-up where larger quantities are needed, biological testing and the study of biochemical effects, and regulatory and ethical matters.

**Program Structure**

**YEAR 1**
- Molecules, Cells and Genes
- Chemistry
- Mathematics
- Perspectives in Medical Science
- Introductory Biotechnology
- Electives

**YEAR 2**
- Principles of Biochemistry (Advanced)
- Physical Chemistry
- Analytical Chemistry: Essential Methods
- Principles of Molecular Biology (Advanced)
- Organic Chemistry: Mechanisms and Biomolecules
- Introductory Pharmacology
- Electives

**YEAR 3**
- Organic Chemistry: Strategies for Synthesis
- Molecular Pharmacology
- Analytical Chemistry: Frontier Techniques
- Medicinal Organic Chemistry
- Rational Drug Design
- Electives

**YEAR 4**
- Honours Program in Medicinal Chemistry

**Career Opportunities**
- Medicinal Chemistry graduates will be in demand for employment in the pharmaceutical and biotechnology industries. Our graduates will be equipped with skills in modern molecular biology and pharmacology, underpinned with a comprehensive background in chemistry with relevant synthetic skills necessary for synthesising complex drug candidates. Graduates will also find employment opportunities within the research, government, management, legal and education sectors.
Application Process for UNSW Medicine—MBBS (International Students)
does NOT apply to Medical Science program

<table>
<thead>
<tr>
<th>Details</th>
<th>Final year high school students in Australia or New Zealand</th>
<th>All other students in Australia or New Zealand</th>
<th>All other students</th>
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<tbody>
<tr>
<td>Step 1</td>
<td>Medicine Application</td>
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<tr>
<td></td>
<td>Form to be completed on UNSW Medicine website</td>
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<td></td>
<td>(<a href="http://www.med.unsw.edu.au">www.med.unsw.edu.au</a> and select &quot;Applying to Medicine&quot;)</td>
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<tr>
<td>Step 2</td>
<td>University Application</td>
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<td></td>
<td>Form: HSC students in Australia or New Zealand and those undertaking Australian qualifications offshore - apply through the Universities Admissions Centre <a href="http://www.uac.edu.au">www.uac.edu.au</a></td>
<td>30 Sep (2)</td>
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<tr>
<td>OR</td>
<td>All other applicants - apply through UNSW Admissions</td>
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<td></td>
<td><a href="http://www.apply.unsw.edu.au">www.apply.unsw.edu.au</a></td>
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<td>31 Oct (1)</td>
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<tr>
<td>Step 3</td>
<td>UMAT - students in Australia or New Zealand must apply to sit UMAT <a href="http://www.acer.edu.au">www.acer.edu.au</a></td>
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<td>Step 4</td>
<td>Selected students will be offered a telephone interview</td>
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<td>Step 5</td>
<td>Offer of a place - Offers will be made to selected students who were interviewed</td>
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(1) Applicants should apply earlier if possible, as places may fill prior to the closing date.
(2) There are late closing dates, but late fees will apply.

Bachelor of Medicine/Bachelor of Surgery (MBBS)

Program code 3802
Faculty Medicine
Minimum years 6 years
Units of Credit (per year/total) 48/288
Semester 2 entry No
Estimated first year tuition $A48,000
Estimated fee to complete $A341,040
Assumed knowledge Chemistry and English

Program Structure

The six-year program is divided into three phases.

PHASE 1
Scenario-Based Learning includes an initial foundation module, followed by courses focusing on basic medical sciences in relation to the human life cycle; social, ethical and legal issues related to health care; and early experience in clinical or other health-related environments. Learning occurs in contexts of real medical practice termed health scenarios.

PHASE 2
Practice-Based Learning consists of modules with increased clinical content and an emphasis on correlation between prior and current learning. Learning involves interactions with patients in clinical environments combined with small group tutorials, integrated science practicals, and an extended case-based methodology. In addition, students engage in an independent learning research project over 32 weeks.

PHASE 3
Independent Reflective Learning consists of modules with a clinical focus, but still includes relevant content from the basic medical and social sciences. Students will be attached to real work teams and will be in positions of increasing responsibility. The settings for these experiences represent a balance within hospitals, ambulatory practice and those involving both.

There are four principal organisers called domains which organise the program through all three phases, and provide an explicit mechanism for vertical integration of content. Within each domain, there are four major themes which provide opportunities for students to engage content in an integrated fashion in the contexts of health scenarios, clinical presentations, or specific patient problems encountered during clinical experience.

DOMAIN 1
Beginnings, Growth and Development: Conception, Pregnancy and Birth; Childhood Growth and Development; Puberty, Adolescence, Sexuality and Relationships; Nutrition, Growth, and Body Image.

DOMAIN 2
Health Maintenance: Homeostasis, Sustenance, and Equilibrium; Education, Health Promotion, and Disease Prevention; Host Defense; Lifestyle Factors That Risk Health.

DOMAIN 3
Ageing and Endings: Menopause; The Ageing Process; Degenerative Disease; Death, Dying and Palliative Care.

DOMAIN 4
Society and Health: Society, Culture and Genes; Socioeconomic Determinants of Health; Health Delivery Systems; Health and Human Rights.

Career Opportunities And Registration

After completing formal program requirements for the award of the MBBS degree, the new graduate is 'registered' by a medical board and works for at least one year in selected hospitals before obtaining final registration as a medical practitioner. International students should check with registration bodies to confirm the registration process.

A further period of at least five years experience and specialised study under the supervision of one of the specialist colleges is required before specialist qualifications can be obtained. Careers in areas other than the practice of clinical medicine as a general practitioner or specialist include medical research, medical administration, journalism and publishing.

Bachelor of Exercise Physiology

Program code 3871
Faculty Medicine
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes
Estimated first year tuition $A30,720
Estimated fee to complete $A138,640
Assumed knowledge Maths and Chemistry

Program Structure

The course provides an introduction to the area of exercise and health sciences. Key themes include: Health and Disease, Human Body, Exercise and Movement, Exercise Therapy, Exercise as Medicine and Drugs, Exercise Therapy, and Exercise as Medicine and Drugs. The course also introduces students to the skills and knowledge required for entry to a range of careers in exercise and health sciences.

Learning and Assessment

The course includes a mix of lectures, tutorials, practicals, and online resources. Assessment includes assignments, quizzes, and a final exam.

Career Opportunities

Graduates may pursue careers in a variety of fields, including sports and exercise science, exercise therapy, and exercise physiology.

Exercise Physiologists (EPs) provide clinical exercise therapy for people with cardiovascular (for example heart disease) and metabolic (for example diabetes) conditions, musculoskeletal conditions (for example arthritis or workplace injuries), neuromuscular disorders (for example stroke) and other conditions, including cancer and depression. EPs also deliver exercise and lifestyle change programs for the primary prevention of disease in apparently healthy populations.

Socioeconomic Determinants of Health; Health Promotion, and Disease Prevention; Host Defense; Lifestyle Factors That Risk Health.
Program Structure

YEAR 1
Foundation science courses and introduction to the profession. Introductory Exercise Science; Chemistry; Molecules, Cells and Genes; Anatomy; Psychology; Statistics; Exercise Progress and Behaviour.

YEAR 2
Comprehensive foundation in biomedical sciences plus exercise science courses. Biochemistry; Human Physiology; Exercise Physiology; Functional Anatomy; Biomechanics; Processes in Disease.

YEAR 3
Greater depth in medical science courses and profession specific courses. Physical Activity and Health; Clinical Exercise Physiology; Pharmacology in Exercise; Muscle and Motor Control; Movement Rehabilitation; Neuromuscular Rehabilitation; Electives; General Education courses.

YEAR 4
Courses emphasise the consolidation of clinical skills and knowledge, and skills for independent learning. Major Clinical Practice; Research Seminars; Research Project; Electives; General Education courses.

Year 3 and 4 Electives include: Advanced Exercise Physiology; Physical Activity in Special Populations; Health Promotion; Health Psychology; Nutrition; Advanced Nutrition; Experimental Biomechanics; Neuroanatomy; Visceral Anatomy; Human Biochemistry; Musculoskeletal Diseases; Cardiovascular Physiology; Endocrine Physiology; Neurophysiology; Clinical Pharmacology; Science Foundations; Maths; Physics.

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

Career Opportunities
Exercise physiologists are employed in rehabilitation clinics and hospitals working in post-acute rehabilitation, sports medicine clinics, corporate health and private practice for rehabilitation/exercise prescription for people requiring specialist guidance (for example workplace rehabilitation departments); corporate health; health and fitness centres; sports academies and institutes; sporting associations; universities and colleges; and private practice.

SEE ALSO
Bachelor of Science with majors in Anatomy, Biochemistry and Molecular Biology, Chemistry, Genetics and Molecular Genetics, Immunology, Microbiology, Pathology, Physics, Physiology and Pharmacology page 67,68.

Bachelor of Science (Advanced) - page 69

Music

Bachelor of Music
Program code 3425

Faculty Arts and Social Sciences
Minimum years 3 years
Units of Credit (per year/total) 48/144
Semester 2 entry No

Estimated first year tuition AS$23,760
Estimated fee to complete AS$78,600

Assumed knowledge Audition/Interview required


Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Science combined program enables students to complete a major in Music and one in Science. Students opting to take a diploma with their main degree should be aware that it will take longer to complete their studies and there will be additional fee costs associated with the diploma courses.

Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

SEE ALSO
Bachelor of Arts with major in Music - page 35

Bachelor of Music/Bachelor of Science (Advanced)
Program code 3449

Faculty Arts and Social Sciences
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry No

Estimated first year tuition AS$27,360
Estimated fee to complete AS$163,880

Assumed knowledge Audition/Interview required


Website http://empa.arts.unsw.edu.au

The Bachelor of Music/Bachelor of Science (Advanced) combined program enables students to complete a major in Advanced Science as well 24 to 48 units of credit from the program in other majors. While completing a specialist music degree involving instrumental performance and/or composition.

SEE ALSO
Bachelor of Music/Bachelor of Education - page 42

Concurrent Diploma Program

Diploma in Music
Program code 3418

Faculty Arts and Social Sciences
Minimum years 1 to 3 years
Units of Credit (per year/total) 48
Semester 2 entry No

Estimated first year tuition AS$24,760

Assumed knowledge None


Website http://empa.arts.unsw.edu.au

The Diploma in Music may be taken concurrently with the Bachelor program (with the approval of the Program Coordinator). The program structure is the same as that of the music component for a Bachelor of Arts degree with a major in music and requires the completion of 48 units of credit. Students opting to take a diploma with their main degree should be aware that it will take longer to complete their studies and there will be additional fee costs associated with the diploma courses.

Note: This program is under CRICOS registration review. Please contact the Program Coordinator for further details.

SEE ALSO
Bachelor of Arts with major in Music - page 35

Note: Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.
Nanotechnology

**Bachelor of Science (Nanotechnology)**
- **Program code**: 3617
- **Faculty**: Science
- **Minimum years**: 4 years
- **Units of Credit (per year/total)**: 48/192
- **Semester 2 entry**: Yes (will require summer semester after first semester of study)
- **Estimated first year tuition**: A$30,960
- **Estimated fee to complete**: A$139,600
- **Assumed knowledge**: Maths, Chemistry and Physics


**Website** [www.science.unsw.edu.au](http://www.science.unsw.edu.au)

Nanotechnology is the science of understanding the structure and behaviour of materials at the atomic or molecular level. Through an understanding of how to manipulate atoms and molecules it is possible to create devices and machines with unique properties and applications.

Nanotechnology provides the potential to create new manufacturing sectors from our ability to observe, characterise and manipulate the atomic and molecular structure of materials which form the basis of the bio-, communications, information and environmental technologies.

**Program Structure**

**YEAR 1**
- Molecules Cells and Genes, Engineering Materials, Nanotechnology, Chemistry, Mathematics, Physics

**YEAR 2**
- Analytical Chemistry, Organic and Inorganic Chemistry for Nanotechnology, Phase Equilibria, Crystallography and X-ray Diffraction, Nanotechnology, Computational Physics, Quantum Physics, Biophysics, Physics of Solid State Devices

**YEAR 3**
- Molecular Biology of Nucleic Acids, Nanotechnology, Advanced Nanomaterials, Chemistry of Surfaces, Solid State Physics, Molecular Biology, Electives

**YEAR 4**
- Professional Communication and Presentation, Nanotechnology Project

**Career Opportunities**

Graduates pursue careers across a wide range of disciplines. Many pursue careers in research while others obtain jobs in the science and technology sector or research and development. Start-up companies and other organisations seek to exploit nanotechnology principles in the manufacture of devices and products and they employ nanotechnology graduates because of their broad training, capacity to think critically and laterally, and their problem-solving abilities.

Optometry

**Bachelor of Optometry/Bachelor of Science**
- **Program code**: 3952
- **Faculty**: Science
- **Minimum years**: 5 years
- **Units of Credit (per year/total)**: 48/240
- **Semester 2 entry**: No
- **Estimated first year tuition**: A$30,960
- **Estimated fee to complete**: A$185,720
- **Assumed knowledge**: Strong ability in Maths, Chemistry and Physics


**Website** [www.optom.unsw.edu.au](http://www.optom.unsw.edu.au)

Optometry combines the theoretical discipline of vision science with the clinical art of primary eye care. It includes the optics of lenses, the physiology of the eye, the psychophysics of vision and the neuroscience of the brain. Optometry includes the diagnosis and management of ocular disease, the dispensing of spectacles and contact lenses, the management of people with special needs (children, low vision), sports vision and vision in the workplace.

**Program Structure**

**YEAR 1**
- Molecules, Cells and Genes, Chemistry, Biological Chemistry for Optometry, Mathematics, Physics, Vision Science, Optics, Elective

**YEAR 2**
- Optometry, Physiology, Optics and the Eye, Introduction to Ocular Disease, Function of the Visual System, Physiology of the Ocular System

**YEAR 3**
- Optometry, Ocular Disease, Pharmacology for Optometry, Development in Vision Science, Ageing of the Visual System, General Education course

**YEAR 4**
- Optometry, Medicine and Patient Management, Optometry, Clinical Optometry, Ocular Therapeutics, Professional Optometry, Psychology and Statistics for Optometry

**YEAR 5**
- Clinical Optometry, Specialist Clinical Optometry, Clinical Ocular Therapeutics, Research Project

**Career Opportunities**

Optometry provides graduates with great opportunities to own their own business. Optometrists may specialise in different areas of clinical practice, including paediatrics, contact lenses, occupational optometry, public health, co-management, low vision rehabilitation, sports vision, behavioural optometry and binocular vision.

**Professional Recognition**

Graduates are eligible for registration as an optometrist in the states and territories of Australia. The degree is also recognised in New Zealand and many parts of Asia.

Planning

**Bachelor of Planning**
- **Program code**: 3360
- **Faculty**: Built Environment
- **Minimum years**: 5 years (including one year of work experience)
- **Units of Credit (per year/total)**: 48/240
- **Semester 2 entry**: No
- **Estimated first year tuition**: A$26,400
- **Estimated fee to complete**: A$154,040
- **Assumed knowledge**: None


**Website** [www.fbe.unsw.edu.au](http://www.fbe.unsw.edu.au)

The Bachelor of Planning is a generalist interdisciplinary degree designed to cover the key competency areas required by planning professionals. It comprises a four-year academic program and one year of work experience.

The degree provides a cross-disciplinary introduction to planning knowledge and cognate fields in the first two years. The third year orientates students more decisively to planning implementation as a prelude to work experience. Upon return to UNSW, students are exposed to more advanced and specialised planning topics. ‘Integrated Planning’ courses, conceived as applied group project work, are studied and a research thesis is completed in the final year.

**Program Structure**

**YEAR 1**

**YEAR 2**
- Economics of Planning and Development; Electives; General Education courses; History, Heritage and the Built Environment; Integrated Planning 1 – Communication in Planning; Quantitative Methods, Resources, Planning and the Natural Environment; Urban Design

**YEAR 3**
- Development Assessment, Electives, Integrated Planning 2 - Strategic Planning, Planning Law and Administration, Transport and Land Use and Environment, Work Experience (6 months)

**YEAR 4**
- Electives, Integrated Planning 3 - Master Planning, Qualitative Methods, Social Planning, Work Experience (6 months)

**YEAR 5**
- Electives; Ethics, Politics and Professionalism; General Education courses; Research Design; Thesis Project

**Career Opportunities**

Planners are employed in government agencies, commercial consultancies and local councils in roles such as Environment Planner, Strategic Planner, Urban Planner and Development Assessment Planner.

**Professional Recognition**

The program is recognised by the Planning Institute of Australia as an academic qualification for corporate membership (one year of practical experience required for full membership). This recognition extends internationally.

SEE ALSO
- Bachelor of Engineering (Geoinformation Systems) page 50
- Bachelor of Engineering (Surveying) - page 71
- Bachelor of Environmental Science - page 40
- Bachelor of Planning/Bachelor of Laws - page 61

66 [www.international.unsw.edu.au](http://www.international.unsw.edu.au)


**Psychology**

**Bachelor of Psychology**

Program code 3432

Faculty Science

Minimum years 4 years

Units of Credit (per year/total) 48/192

Semester 2 entry No

Estimated first year tuition A$30,960

Estimated fee to complete A$135,600

Assumed knowledge Maths


Website [www.psy.unsw.edu.au](http://www.psy.unsw.edu.au)

A discipline of both scientific research and applied practice, psychology is concerned with the study of behaviour and underlying mental and neural processes. Topics include learning, memory, cognition, perception, motivation, life-span development, personality, social interactions, and abnormal psychology. This program meets the requirements of four years of academic training towards membership of the Australian Psychological Society, and state government registration as a psychologist.

**Program Structure**

**YEAR 1**

Psychology 1A and 1B, Introduction to Psychology

Applications, Electives

**YEAR 2**

Research Methods 2, Social and Developmental Psychology, Perception and Cognition, Learning and Physiological Psychology, Electives, General Education courses

**YEAR 3**

Research Methods 3A and 3B, Assessment, Personality and Psychopathology, Level 3 Psychology Electives, General Education courses

Sample list of Level 3 Psychology electives:

- Physiological Psychology
- Cognitive Science
- Perception and Cognition
- Learning and Physiological Psychology
- Electives

**YEAR 4**

Psychology 4A and 4B

**Career Opportunities**

A professional qualification in psychology leads to careers in clinical, organisational and forensic settings as well as teaching and research. The main employer of trained psychologists is the government sector where psychologists work in areas ranging from health, education and community services through to police, corrective services, industrial relations, and road and traffic authorities. Other employers are tertiary institutions, management and personnel consultants, market research organisations and banks. Many psychologists also work in private employment as clinical, educational or industrial consultants.

**Professional Recognition**

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

**Bachelor of Psychological Science**

Program code 3435

Faculty Science

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry No

Estimated first year tuition A$30,960

Estimated fee to complete A$98,640

Assumed knowledge Maths


Website [www.science.unsw.edu.au](http://www.science.unsw.edu.au)

The Bachelor of Psychological Science is a 3- or 4-year program leading to an accredited degree in psychology as well as providing the option of taking a complementary major in a number of related areas: combining psychology with a major in marketing, management or human resource management from the Australian School of Business provides an excellent background for careers in the business world; combining psychology with philosophy, criminology, linguistics, or history and philosophy of science from the Faculty of Arts and Social Sciences prepares you for a variety of social science careers; or students with a specific interest in physiological and neuroscientific aspects of psychology might combine psychology with the study of vision science, neuroscience, anatomy or physiology from the Faculty of Science to prepare them for a career in a healthcare or biomedical research setting.

At the end of their second year, students may choose courses that will provide the prerequisites to gain entry to the honours (fourth) year in psychology.

**Program Structure**

**YEAR 1**

Psychology 1A, Psychology 1B, Electives

**YEAR 2**

Research Methods 2, Social and Developmental Psychology, Perception and Cognition, Learning and Physiological Psychology, Electives or General Education courses

**YEAR 3**

Research Methods 3A, Assessment Personality and Psychopathology, Level 3 Psychology Electives, Free Electives or General Education courses

Sample list of Level 3 Psychology Electives:

- Physiological Psychology
- Cognitive Science
- Perception and Cognition
- Learning and Physiological Psychology
- Electives or General Education courses

**YEAR 4**

Psychology 4A

**Career Opportunities**

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

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

**SEE ALSO**

Bachelor of Arts with major in Psychology - page 35

Note: Those students who wish to complete the Bachelor of Psychology must transfer from the Bachelor of Arts to complete the final two years. Check with the Faculty for more details.

Bachelor of Science with major in Psychology page 67

Bachelor of Science (Advanced) with specialisation in Psychology page 69

**Science and Advanced Science**

**Bachelor of Science**

Program code 3970

Faculty Science

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry Yes (may require summer semester after first semester of study)

Estimated first year tuition A$30,960

Estimated fee to complete A$101,640

Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics


Website [www.science.unsw.edu.au](http://www.science.unsw.edu.au)

This is one of the most flexible degree programs at UNSW, offering a wide range of study options. It is based on a solid foundation of core areas in science such as biology, chemistry, physics, maths, geography, geology and psychology. In addition to these areas students can choose from more than 30 majors. The program is structured so that students have the opportunity to apply to transfer between this program and other UNSW Science programs, including professional and advanced level degrees.

Students with excellent grades will be invited to complete an honours fourth year.

Note: This program is currently under review. Majors available for this program may vary as the result of the review. For updated information on available majors visit [www.science.unsw.edu.au](http://www.science.unsw.edu.au).

**Major Discipline Areas**

**Anatomy**

The study of the structure of the human body. By understanding the structure of the human body we are better able to appreciate how it functions and why it can malfunction.

**Biochemistry**

The study of molecules and chemical reactions that occur in all living organisms, for example what turns food into energy? How does DNA determine our appearance and how do plants trap and use the energy of sunlight?

Note: Estimated first year tuition is based on 2011 tuition fees.

Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above.

Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.
Biological Science (Botany, Ecology, Marine Biology, Zoology) Biology is the study of life and living organisms. It brings together and makes use of many areas of science and encompasses all aspects of plant and animal biology including how they interact with each other and interact in and with the environment. Biotechnology involves harnessing microbial, plant and animal cells and their components for the benefit of people. The essential feature of biotechnology is the use of biological processes based on living cells and biochemical molecules such as proteins, DNA and RNA. Chemistry deals with the design, synthesis, analysis and properties of molecules. The study of chemistry will appeal to those with an enquiring, analytical mind and good powers of observation and deduction. Ecology is the science of the relationships between organisms and their environments. To conserve our ecology will appeal to those with an enquiring, analytical mind and good powers of observation and deduction. Environmental Earth Science studies the history of change on Earth. The origins of continents, oceans, atmosphere and the planet itself are considered from various perspectives. It examines the beginnings of life; the evolution of fauna and flora from genetic and fossil evidence; the relationships between Earth’s geologic environments and their associated life forms, and the changes of change, both natural and man made on soil, water and landscape. Food Science involves the understanding of basic sciences and the application of this knowledge to foods from the point of production up to consumption by consumers. It concerns food processes, commodities, composition and quality (including sensory properties, safety and nutritional value). Genetics is the study of the basis of inheritance, of DNA and genes. It investigates the way in which biological information is passed on from one generation to the next, as well as how that information is used and stored. Molecular geneticists study the way in which DNA encodes genes, how genes make proteins, and how DNA forms the basis of the way all living things look and function. Geography is the study of spatial and temporal variations of the phenomena that make up natural and human-dominated environments. Geology is the science of the earth, its constitution and evolution in a broad sense. It includes surveying metallic ore deposits, fossil fuels and groundwater resources, and applying geological knowledge in a range of engineering and environmental contexts. History and Philosophy of Science* is an interdisciplinary field that examines the past, present and future of science, technology, society and modern culture. As well as the history, philosophy and sociology of science technology and medicine, the field incorporates science and technology policy and important aspects of environmental studies. Marine Science (Marine Biology, Marine Geology, Physical Oceanography) looks at all aspects of the marine environment from ocean currents to dolphin communities. Marine science can be studied with an emphasis on biology, earth sciences, environmental chemistry, oceanography or physical oceanography. Materials Science is the underlying science of high performance materials (metals, ceramics, plastics, composites, electronic materials and biomaterials), making things from them and predicting their performance. Also see page 51. Mathematics is at the basis of very exciting and diverse areas of activity in technological and commercial fields such as computational weather prediction, statistics, investment in financial markets, chaos, optimisation and cryptography. Medical Microbiology and Immunology focuses on the processes of health and disease in relation to interactions between microscopic organisms (viruses, bacteria, fungi and protozoa) and the immune defence system that is present within our bodies. It is intertwined with the disciplines of biochemistry, molecular biology and genetics. Microbiology is the study of the smallest forms of life: bacteria, viruses, archaea, fungi and protozoa. Fundamental principles of chemistry and biology provide a foundation. Molecular Biology is one of the most exciting areas of modern biochemistry. This area of biochemistry has contributed much to our understanding of how genes function by using the techniques of genetic engineering and DNA technology. Neurobiology has two primary goals: one is to understand and explain behaviour and consciousness; the other is to understand and treat diseases of the nervous system such as schizophrenia and Alzheimer’s disease. Pharmacology is the study of drugs and their effects on living tissue and whole organisms. It examines how drugs are discovered; how they are absorbed and eliminated; the mechanics of action and side effects; how drugs help maintain health and counteract illness and disease. Philosophy* studies reasoning, concepts and forms of argument across a wide range of subject areas. It encourages critical and imaginative thinking about the theoretical foundations and conceptual aspects of science. Physical Oceanography/Meteorology is concerned primarily with the mathematical equations that describe fluid flow and how these are used in understanding the ocean. It is also concerned with the measurement, modelling and prediction of processes that form the world’s climate system. Physics is the study of the laws of nature that govern the behaviour of the universe. From the very smallest scales of sub-atomic particles to the very largest, in cosmology, it applies these laws to the solution of practical problems and the development of new technologies. Physiology is the study of how the normal body systems function in humans and animals. It examines life processes and their consequences - from the molecular level through to the whole organism. This is one of the major foundations of medicine. Psychology is concerned with the scientific and systematic study of the human mind and behaviour, in a wide variety of areas. It encompasses the study of cognitive, social, developmental, behavioural and physiological processes. Spatial Information Systems focuses on the integrated approach of measurement, analysis, management, storage and display of the descriptions and location of Earth-based data (spatial data). This data comes from many sources, including earth-orbiting satellites, air, and seaward sensors and ground-based instruments. Statistics is a fascinating science and art that uses quantitative data for modelling and inference. Its mathematical foundations are in the theory of probability and it works out how to estimate and make decisions using knowledge that is uncertain or observational material that is subject to error. Vision Science deals with the mechanics of sight and includes applied technology to help us see better. The program is designed to develop technologists and scientists who can work in optthalmic industries to build better instruments and technologies for vision and vision based aspects of other industries. *These study plans have to be combined with a minimum amount of science-based courses. MINORS AVAILABLE If students choose to study a minor, the minor may be taken from another area of science or from selected areas in the Faculties of Arts and Social Sciences, Engineering, Built Environment or the Australian School of Business. Combined Programs Bachelor of Science/Bachelor of Arts Program code 3930 Faculty Science Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes (may require summer semester after first semester of study) Estimated first year tuition A$37,360 Estimated fee to complete A$123,760 Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics Online Handbook www.handbook.unsw.edu.au/ undergraduate/programs/2011/3930.html Website www.science.unsw.edu.au Bachelor of Science/Bachelor of Social Science Program code 3935 Faculty Science Minimum years 4 years Units of Credit (per year/total) 48/192 Semester 2 entry Yes (may require summer semester after first semester of study) Estimated first year tuition A$37,360 Estimated fee to complete A$123,760 Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics Online Handbook www.handbook.unsw.edu.au/ undergraduate/programs/2011/3935.html Website www.science.unsw.edu.au SEE ALSO Bachelor of Aviation - page 36 Bachelor of Engineering (Bioinformatics) - page 57 Bachelor of Engineering (various programs) pages 45-58 Bachelor of Environmental Science - page 40 Bachelor of Medical Science - page 63 Bachelor of Exercise Physiology - page 64 Bachelor of Optometry/Bachelor of Science - page 66 Bachelor of Planning - page 66 Bachelor of Psychology - page 67 Bachelor of Science (Biototechnology) - page 37 Bachelor of Science (Food Science and Technology) page 56 Bachelor of Science (Nanotechnology) - page 66 Bachelor of Commerce/Bachelor of Science - page 39 Bachelor of Engineering (various programs)/Bachelor of Science - pages 45-58 Bachelor of Music/Bachelor of Science - page 65 Bachelor of Science/Bachelor of Education - page 43 Bachelor of Science/Bachelor of Laws - page 61 www.international.unsw.edu.au
Advanced Science programs provide a challenge to students with an interest in critical thinking, research and innovation. Note: This program is currently under review. Majors available for this program may vary as the result of the review. For updated information on available majors visit www.science.unsw.edu.au.

Program Structure
Tailored specifically for talented students, these programs require four years of full-time study, including a research-based year of training leading to an honours award.

A wide choice of study plans, designed to meet specific aims and objectives, is available. Most study plans are identified with a particular school or discipline (for example anatomy, chemistry). Depending on the program of study, students in their fourth year undertake either a research honours program or a program of coursework and research. Outstanding honours degree students may continue their studies in a higher research degree.

Study Plans in Advanced Science
- Anatomy
- Archaeology and Palaeoenvironments
- Biochemistry
- Biological Science
- Biotechnology
- Chemistry
- Climate Science
- Ecology
- Genetics
- Geosciences
- Geochemistry
- Marine and Coastal Studies
- Mathematical Physics
- Medical Microbiology and Immunology
- Microbiology
- Molecular Biology
- Neuroscience
- Pharmacology
- Physical Oceanography
- Physics
- Physics and Astronomy
- Physics and Computing
- Physiology
- Psychology
- Vision Science

The quantitative risk major is Australia’s first-degree program in this emerging area; it is sponsored by the Commonwealth Bank of Australia and the SAS (Statistical Analysis Systems) Institute to address severe skills shortage in this area.

*Students can only undertake this study plan with approval of the Head of School.

Note: This program is currently under review. Majors available for this program may vary as the result of the review. For updated information on available majors visit www.science.unsw.edu.au.

Combined Programs
Bachelor of Science (Advanced)/Bachelor of Arts
Program code 3931
Faculty Science
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes (may require summer semester after first semester of study)
Estimated first year tuition A$30,960
Estimated fee to complete A$164,120
Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics
Website www.science.unsw.edu.au

Bachelor of Science (Advanced)/Bachelor of Social Science
Program code 3936
Faculty Science
Minimum years 5 years
Units of Credit (per year/total) 48/240
Semester 2 entry Yes (may require summer semester after first semester of study)
Estimated first year tuition A$30,960
Estimated fee to complete A$164,120
Assumed knowledge Maths and Chemistry plus Biology or Earth and Environmental Science or Physics
Website www.science.unsw.edu.au

SEE ALSO Bachelor of Music/Bachelor of Science (Advanced) - page 65

ADVANCED MATHEMATICS
Bachelor of Science (Advanced Mathematics)
Program code 3986
Faculty Science
Minimum years 4 years
Units of Credit (per year/total) 48/192
Semester 2 entry Yes (may require summer semester after first semester of study)
Estimated first year tuition A$30,960
Estimated fee to complete A$139,600
Assumed knowledge Maths
Website www.maths.unsw.edu.au

This program targets high achievers who wish to specialise in mathematics as a basis for the increasing range of quantitative careers such as finance, environmental modelling and research. The degree will allow students to focus on mathematics to provide a comprehensive foundation in research.

Study Plans In Advanced Mathematics
- Applied Mathematics
- Pure Mathematics
- Quantitative Risk*
- Statistics

Note: Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fee increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.

www.international.unsw.edu.au
Program Structure

Students are required to undertake a coherent scientific program achieving competency in a science-based major; a sequence of language courses; electives to provide a suite of attributes associated with ‘global education’ covering cultural studies, international business, development studies and globalisation. The program incorporates an overseas exchange for two semesters at an approved partner university. Students are provided with a contribution towards the expenses of the exchange by the Faculty of Science.

A major can be chosen from the following areas:
- Anatomy
- Biochemistry
- Biological Science
- Biotechnology
- Chemistry
- Ecology
- Environmental Earth Science
- Genetics
- Geography
- Geology
- Marine Science (Marine Biology, Marine Geology or Physical Oceanography)
- Materials Science
- Mathematics
- Medical Microbiology and Immunology
- Microbiology
- Molecular Biology
- Neurosciences
- Pharmacology
- Physical Oceanography
- Physics
- Physiology
- Psychology
- Spatial Information Systems
- Statistics
- Vision Science

Career Opportunities

Graduates work in global scientific organisations and companies, international government and non-government agencies and in scientific research.

Social Science

Bachelor of Social Science

Program code 3420

Faculty Arts and Social Sciences

Minimum years 3 years

Units of Credit (per year/total) 48/144

Semester 2 entry Yes

Estimated first year tuition A$23,760

Estimated fee to complete A$78,600

Assumed knowledge None


Website http://ssis.arts.unsw.edu.au

The Bachelor of Social Science has a core program in social science, policy analysis and research methods, combined with a major from the list below. The program offers the best of both worlds – knowledge and skills. Career opportunities are broad and can be tailored to suit students’ interests. Students develop skills in social science research and policy analysis in the core program and learn how to access existing knowledge but also to create new knowledge that can be applied in their workplaces – a skill which is in high demand in today’s knowledge economy.

Note: This degree is currently under review, please contact the Faculty for details on the new program.

Program Structure

Courses within your major study area are completed in each year of the program. Major study areas include: Development Studies, Economics, Environmental Studies, Geography, History, History and Philosophy of Science, Human Resource Management, Industrial Relations, International Business, International Relations, Marketing, Media, Culture and Technology, Philosophy, Political Economy, Politics, Psychology, Sociology and Anthropology. Courses of the program are as follows:

YEAR 1
- Research and Information Management, Social Science and Policy

YEAR 2
- Applied Social Research 1, Policy Analysis Case Studies, Political Economy and the State

YEAR 3
- Social Science and Policy Project

Career Opportunities

Graduates work in quantitative and qualitative research; policy development, implementation and analysis; project design and management; community development, market research; corporate affairs management; and as political advisors.

Combined Programs

Bachelor of Art Theory/Bachelor of Social Science page 35
Bachelor of Science/Bachelor of Social Science page 68
Bachelor of Science (Advanced)/Bachelor of Social Science - page 69
Bachelor of Social Science/Bachelor of Laws page 61
Bachelor of Social Work/Bachelor of Social Science page 70

Social Work

Bachelor of Social Work

Program code 4031

Faculty Arts and Social Sciences

Minimum years 4 years

Units of Credit (per year/total) 48/192

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$107,920

Assumed knowledge None


Website http://ssis.arts.unsw.edu.au

The Bachelor of Social Work is a professional program designed to prepare students for the professional practice of social work including work in the wider field of welfare. The degree at UNSW is one of the few four-year programs in Australia that commences teaching social work practice courses and skills from year one. The focus on social work practice skills is enriched by the field education program, during which students learn to apply the principles of professional practice in social work settings, under the supervision of practising social workers. Placement opportunities of 140 days are available both within Australia and in partnering countries.

Program Structure

YEAR 1
- Introduction to Social Work, Communication and Social Work Practice, Human Behaviour 1, Psychology course, Sociology course, 3 Electives

YEAR 2
- Human Behaviour 2, Individuals, Families and Groups 1, Society and Social Work 1 and 2, Research for Social Work, Community Work, Aboriginal People and Social Work, General Education courses

YEAR 3
- Year 3 Practicum, Individuals, Families and Groups 2, Social Policy 1, Socio-Legal Practice, Selected Studies 1, Research Elective, General Education courses

YEAR 4
- Year 4 Practicum, Social Work Practice in Organisations, Selected Studies 2, Social Philosophy, Social Policy 2

Career Opportunities

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

Professional Recognition

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

Combined Programs

Bachelor of Social Work/Bachelor of Arts

Program code 4035

Faculty Arts and Social Sciences

Minimum years 5 years

Units of Credit (per year/total) 48/240

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$138,920

Assumed knowledge None


Website http://ssis.arts.unsw.edu.au

Bachelor of Social Work/Bachelor of Social Science

Program code 4036

Faculty Arts and Social Sciences

Minimum years 5 years

Units of Credit (per year/total) 48/240

Semester 2 entry No

Estimated first year tuition A$23,760

Estimated fee to complete A$138,920

Assumed knowledge None


Website http://ssis.arts.unsw.edu.au

SEE ALSO

Bachelor of Social Work/Bachelor of Laws - page 67
Surveying

**BE (Surveying)**

**Program code** 3742

**Faculty** Engineering

**Minimum years** 4 years

Units of Credit (per year/total) 48/192

**Semester 2 entry** Yes

**Estimated first year tuition** A$30,360

**Estimated fee to complete** A$135,880

**Assumed knowledge** Maths and Physics


**Website** [www.gmat.unsw.edu.au](http://www.gmat.unsw.edu.au)

This program provides an integrated approach to the acquisition, analysis, storage, distribution, management and application of traditional surveying and mapping data, as well as the comparatively new spatial information industry applications.

**Program Structure**

A typical program sequence is shown below:

**YEAR 1**

Mathematics, Physics, Engineering Computing, Engineering Design, Surveying and GIS, Electives including Land Resource Assessment

**YEAR 2**

Electronic Survey Instruments, Integrating Surveying Techniques, GIS in Practice, Surveying Computations and CAD, Data Analysis by Least Squares, Geodesy and Spatial Reference, Numerical Methods and Statistics, General Education courses

**YEAR 3**

Surveying Applications, Field Projects 1, Cadastral Surveying and Land Law, Precise GPS Positioning, General Education courses, 3 Electives from the following: Environmental Engineering, Transport and Highway Engineering, Geoinformation Science, Earth Observation Systems and Applications, Mining Project Development, Development Assessment, and Transport, Land Use and Environment

**YEAR 4**


Graduates find employment as surveyors, consultants, managers, teachers or researchers. This may involve work in the field, working on their own or as a member of a multi-disciplinary team, work in private industry or in government service, or work as a self-employed consultant.

**Professional Recognition**

The Bachelor of Engineering (Surveying) has had some program structure changes. The degree will be recognised by the Board of Surveying and Spatial Information of New South Wales (NSW) as meeting requirements for entry as a candidate to become a registered surveyor in NSW. The Bachelor of Engineering (Surveying) will therefore be recognised by the Institution of Surveyors (NSW). It is not yet recognised by Engineers Australia for admission of its graduates as corporate members. Professional recognition will be sought.

**Career Opportunities**

For further information on combined programs please contact the School of Surveying and Spatial Information Systems on surv@unsw.edu.au or visit [www.ssis.unsw.edu.au](http://www.ssis.unsw.edu.au)

**Taxation**

**Bachelor of Taxation**

**Program code** 4620

**Faculty** Australian School of Business

**Minimum years** 3 years

Units of Credit (per year/total) 48/144

**Semester 2 entry** No

**Estimated first year tuition** A$30,960

**Estimated fee to complete** A$101,640

**Assumed knowledge** Maths


**Website** [www.asb.unsw.edu.au/futurestudents](http://www.asb.unsw.edu.au/futurestudents)

**Program Structure**

**YEAR 1**


**YEAR 2**


**YEAR 3**

7 Electives, General Education courses

Graduates can be employed by accounting and legal companies, in the tax group of large and medium size corporations, in smaller accounting and law firms and in Australian government taxation, revenue and treasury departments.

**Professional Recognition**

The Bachelor of Taxation is fully accredited by CPA Australia and The Institute of Chartered Accountants in Australia and satisfies the educational requirements for Associate membership provided students have chosen specialist elective courses in the accounting stream. The Accounting stream also meets the prescribed academic requirements for registration as a tax agent by the Tax Agents Board, recognising Bachelor of Taxation graduates for practice as tax agents in Australia.

The Bachelor of Taxation will also count toward membership of other bodies such as the National Institute of Accountants, Australian Taxation Management Accountants and the Taxation Institute of Australia - even if the full accounting stream is not followed.

International students are encouraged to contact professional accounting bodies in their own country to enquire about professional recognition.

**Career Opportunities**

The Bachelor of Taxation is a well-rounded and flexible degree covering courses in law, commerce, taxation, accounting and economics. It equips students with the skills and knowledge to become a taxation specialist, a commercial professional or an accountant (where specialist accounting courses are included in the program of study).

The Bachelor of Taxation is delivered in flexible distance mode combining online learning with audio conferences and a comprehensive folder of teaching materials which allows you to manage the other priorities in your life or juggle work with your study commitments. The Bachelor of Taxation can be studied as a part-time or full-time study program. International students can enrol to study in this program while residing in their country. It is not available to students intending to study in Australia on a student visa.

Note: Estimated first year tuition is based on 2011 tuition fees. Total program costs are indicative only. Indicative fees have been calculated on a percentage increase for every year of the program. Fees increases are assessed annually and may exceed the indicative figures listed above. Estimated fees to complete include tuition plus an estimate of study-related costs of approximately A$1,000 per year.

www.international.unsw.edu.au
Postgraduate study

Postgraduate coursework studies
UNSW (including the UNSW Canberra campus) offers one of the most extensive ranges of graduate programs in Australia. After completion of your Bachelor degree, you may continue studies at UNSW by undertaking a postgraduate coursework program. Graduate degrees include Graduate Certificates, Graduate Diplomas and Master degrees by coursework.

Postgraduate research studies
As a foundation member of Australia’s Group of Eight leading research universities, UNSW is the 4th top research-intensive university in Australia based on the 2010 Australian Research Council’s Excellence in Research for Australia report. Postgraduate degrees offered include Master by research and Doctoral degrees.

UNSW is recognised as a leader of research in high-profile, world leading areas which include Climate Research, Marine Bio-fouling, Asian Money Markets, HIV and Cancer Research, Nanosciences and Nanotechnologies (Quantum Computer Project), Physical Oceanography, Photonics, Polymers and Materials Science, Social Policy, Sustainable and Renewable Energy Resources to name a few.

A taste of research
The Faculty of Engineering gives students the unique opportunity to find out what research is truly about, and develop great skills and knowledge in the process. The Taste of Research Summer Scholarships created by the Faculty give third year students the chance to undertake a 12-week project with an existing research team within the Faculty, and receive a tax-exempt allowance of A$479 per week.

There are about 200 projects on offer each year including, for example, research on the development of commercial solar cell technologies; coastal engineering design; the bionic eye project; vitamin D in Australian red meat; body-area network for athlete monitoring; programming a humanoid robot to manipulate complex objects; dual biofuels for efficient engines; surveying underground facilities in Sydney.

Students may use their Taste of Research Summer Scholarship as a contribution towards their industrial training requirements.

For more information visit:
www.eng.unsw.edu.au/undergrads/scholarships#trss

A wealth of information about graduate study opportunities at UNSW can be found from the following websites:

- www.grs.unsw.edu.au
- www.grs.unsw.edu.au/futurestudents/futurehome.html
- www.unsw.edu.au/futurestudents/postgradCourse/sad/postgradcourse.html

A request for a postgraduate student guide can be made online at:
www.international.unsw.edu.au

Frederick Chi Wai Lui, 29
Bachelor of Medicine/Bachelor of Surgery

Frederick Chi Wai Lui was a young physiotherapist for the Hong Kong youth soccer team when he realised he wanted to get off the sidelines and into the action. He didn’t want to pull on a team jersey, despite his love of sport, but he did want to be able to run onto the field when a player was injured.

As a physiotherapist, Fred’s role was limited to rehabilitation after injuries. Now a third year medical student at UNSW, Fred is looking forward to providing “exemplary and empathetic care” to a wide range of patients in the next stage of his career as a doctor. “I want to be able to help in an emergency. The more I learn about medication and surgery, the more I can help patients,” he says of his building medical skills.

Initially, Fred considered a PhD in physiotherapy and was accepted to several high profile universities in the USA and Australia. However, he chose to “start over” in medicine at UNSW on the advice of several prominent surgeons in Hong Kong. As a keen soccer and badminton player, Fred was naturally interested in sports medicine. Studying medicine at UNSW, however, has opened his mind to other specialities, such as cardiology.

The beauty of his medical degree at UNSW is that he can choose his speciality further down the line, after being exposed to a range of different areas of medicine. As part of his course at UNSW, Fred gains valuable clinical experience at major Sydney teaching hospitals; St. Vincent’s and Prince of Wales. Every other week he goes from ward to ward meeting with patients which he says is a welcome relief from the textbooks.

During a summer break Fred got some “real life” experience, in both medicine and the Australian lifestyle. Through UNSW he was given the opportunity to shadow a general practitioner in the beachside country town of Lennox Head, near the Queensland border. He was able to stay with the doctor’s family for three weeks and observe her at either the local hospital or her private practice. “I saw first hand what life as a rural doctor would really be like. It was a fantastic experience,” he says, “and one not available in Hong Kong.”

Fred has embraced life in Australia and has even learnt to play the popular, local “touch footy”. Although he misses his family he says they have encouraged him to study at UNSW. “My family wanted me to experience global trends in the medical field and to mature and develop as a person. I have been so excited to be here, that I haven’t experienced any culture shock.”
Opened in 1999, the John Niland Scientia Building has won numerous national and international design awards including the Sir Zelman Cowan Award for Public Buildings. Its name is derived from the Latin word meaning knowledge and its structure is designed to represent the tree of knowledge.
English language requirements

All applicants for admission to UNSW programs, either in Australia or overseas, whose first language is not English must provide evidence that their English language ability meets the requirements for admission. The required evidence may take the form of results from an acceptable English language test undertaken no more than two years prior to the commencement of the program at UNSW.

Alternatively, applicants whose first language is not English but who have undertaken at least one year of full-time academic study at a university or other post-secondary or approved secondary educational institutions where the sole language of instruction and examination was English may not be required to undertake a language test if they can provide a statement or certificate issued by the Registrar’s office of that institution confirming this. This study must have been undertaken no more than two years prior to the commencement of the program at UNSW. Medium of English instruction cases are reviewed carefully and do not automatically meet UNSW English language proficiency requirements.

All candidates who provide an English test score which does not meet the University’s minimum requirement or who do not provide evidence of English language proficiency will be assessed for admission and, if they meet the academic entry requirements, will be issued with a Conditional Offer of admission. After the English language requirement has been met a Full Offer of admission will be issued for the next available semester.

Similarly, applicants who meet the academic entry requirements for the University may apply for a Conditional Package Offer. A Conditional Package Offer enables candidates to apply for a student visa for the duration of their English language program and UNSW studies.

All university applicants are obliged to meet separate minimum language proficiency requirements set by the Australian Department of Immigration and Citizenship when applying for a student visa.

www.immi.gov.au/students

Accepted tests of English proficiency

International English Language Testing System (IELTS)
The academic test modules must be undertaken. An overall minimum score of 6.5 is required together with a minimum score of at least 6.0 in each of the sub-tests of listening, reading, speaking and writing.
UNSW Institute of Languages is an official IELTS test centre.
www.languages.unsw.edu.au/testing/IELTS.html
www.ielts.org

Test of English as a Foreign Language (TOEFL)
(UNSW ETS Institution Code is 0890)
Internet-based test: Applicants must achieve an overall minimum score of 90 with a minimum in writing of 24.
Paper-based test: Applicants must achieve an overall minimum score of 577 with a minimum score of 5.0 in the TWE (Test of Written English). The paper-based test must include the TWE.
UNSW Institute of Languages is an official TOEFL test centre.
www.languages.unsw.edu.au/testing/TOEFL.html
www.ets.org/toefl

University English Entry Course (UEEC)
UEEC is an intensive English language course conducted at the UNSW Institute of Languages. The minimum acceptable score is completion of the UEEC with a grade of C+ (grade point 7.0) and with a minimum score of at least 20 in the writing component. Some UNSW programs require a higher grade.
www.languages.unsw.edu.au/engforuniversity/ueec.html

Other qualifications
In addition to the English language proficiency tests and prior study outlined above, UNSW also accepts a number of academic qualifications as meeting the English language requirements. Information about these qualifications and the full English language requirement policy can be found at:
www.unsw.edu.au/futureStudents/undergrad/sad/engregpolicy.html
Quality English language preparation courses
The UNSW Institute of Languages offers courses that provide first-class preparation for study at UNSW through its English for Academic Purposes Programs. Courses are specifically designed to improve students’ English language skills in order to meet the UNSW English entry requirements and to enable them to successfully undertake their studies at UNSW.

Courses at the UNSW Institute of Languages include:

- The University English Entry Course (UEEC) - developed for students who have received a Conditional Offer of admission from UNSW provided that UNSW English entry requirements are met. UEEC classes are based on lectures and articles sourced from UNSW academics. The course is further enhanced through the use of online learning and teaching activities. Students are continuously assessed throughout the course with regular feedback provided on their progress. Students who successfully pass this course are not required to sit a further external English proficiency test and will be admitted directly to UNSW. Overall, the UEEC provides the ideal introduction and preparation for study at UNSW.

- The Tertiary Orientation Program (TOP) - aimed at students who have received a Full Offer of admission from UNSW but wish to enhance their English language ability for academic studies at UNSW. The course also enables students to develop study skills, critical thinking, and advanced reading and discussion skills.

- The Pre-Foundation Year English Course (PFY) - designed for students seeking to enter the UNSW Foundation Studies programs. In this course students learn language and study skills through integrated lessons which feature speaking and pronunciation, grammar, academic reading and writing.

In addition, the Institute provides a range of General English and Professional English courses including English for Business Communication and English for Law.

The Institute is also an authorised test centre for IELTS and TOEFL.

When to apply
There is no fixed application deadline. However, as the demand for the Institute’s programs is very high, we suggest you apply at least three months before the date you intend to start your language studies. As a general guide, 10 weeks language study is required to increase an IELTS score by 0.5 of a band point and a TOEFL score by about 25 points. If, for example, you have an overall IELTS score of 5.5 and you require 6.5 to gain entry into UNSW then you may need between 20 to 30 weeks of English study. The Institute of Languages can recommend the appropriate course length based on a recent IELTS score or from a placement test on the first day of term.

Please refer to the back of the guide for the application form.

Packaged visas
The Institute’s courses and UNSW degrees can be packaged into a single visa covering the entire period of study. Students requiring English language studies should apply to UNSW and the Institute of Languages. On successful admission, students can obtain one visa for the entire duration of their studies.

More information
Further information may be obtained from:
UNSW Global Student Services
223 Anzac Parade
Kensington UNSW
Sydney NSW 2052
Australia
T: +61 2 9385 5396
F: +61 2 9662 2651
E: admissions@unswglobal.unsw.edu.au
W: www.languages.unsw.edu.au

UNSW Institute of Languages Course Fees

<table>
<thead>
<tr>
<th>Course Fees 2011 ** (A$)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrolment fee</td>
<td>$220</td>
</tr>
<tr>
<td>Per 5 weeks</td>
<td>$2,175</td>
</tr>
<tr>
<td>Per 10 weeks</td>
<td>$4,350</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>2011 Dates</th>
<th>2012 Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term 1</td>
<td>4 Jan - 4 Feb</td>
<td>3 Jan - 3 Feb</td>
</tr>
<tr>
<td>Term 2</td>
<td>7 Feb - 11 Mar</td>
<td>6 Feb - 9 Mar</td>
</tr>
<tr>
<td>Term 3*</td>
<td>14 Mar - 15 Apr</td>
<td>12 Mar - 13 Apr</td>
</tr>
<tr>
<td>Term 4*</td>
<td>2 May - 3 Jun</td>
<td>16 Apr - 18 May</td>
</tr>
<tr>
<td>Term 5</td>
<td>6 Jun - 8 July</td>
<td>21 May - 22 June</td>
</tr>
<tr>
<td>Term 6*</td>
<td>18 Jul - 19 Aug</td>
<td>2 Jul - 3 Aug</td>
</tr>
<tr>
<td>Term 7</td>
<td>22 Aug - 23 Sep</td>
<td>6 Aug - 7 Sep</td>
</tr>
<tr>
<td>Term 8*</td>
<td>10 Oct - 11 Nov</td>
<td>10 Sep - 12 Oct</td>
</tr>
<tr>
<td>Term 9*</td>
<td>14 Nov - 16 Dec</td>
<td>15 Oct - 16 Nov</td>
</tr>
<tr>
<td>Term 10</td>
<td>not available</td>
<td>19 Nov - 21 Dec</td>
</tr>
</tbody>
</table>

* UEEC course available, ** 2012 fees may change
UNSW Foundation Studies

UNSW Foundation Studies is located on the Kensington campus and students have full access to all UNSW teaching and recreational facilities. Our main building has up-to-date facilities including tutorial classrooms, computer laboratories, a student recreation area and courtyard café.

Australia’s leading Foundation program provider for over 20 years
The UNSW Foundation Studies programs offer a university entry qualification as well as excellent preparation for university study. They provide the ideal link for international students between overseas schooling and university study in Australia. Students have the time and opportunity to adjust to a different style of teaching and to the Australian way of life before they start undergraduate study.

Approximately 85% of Foundation students meet university entry requirements. Foundation graduates enrolled in Bachelor programs at UNSW have a proud record of success, normally demonstrating better academic performance overall than any other group of students.

Over the past few years our graduates have won University medals in Chemical Engineering, Bioinformatics and Computer Science and prizes in Accounting, Design and Science. Many of our graduates have also been invited to stay at UNSW for higher degree studies. Our graduates often move into highly successful careers in government and industry in their home countries after graduation.

Major benefits
- Successful international students have a guaranteed place in a Bachelor degree at UNSW*
- Subjects in the curriculum are specifically designed to prepare students for their preferred undergraduate field and are continually updated as new areas of study emerge
- Teaching follows university practice with lectures and tutorials. Most tutorial classes have between 16 to 18 students so each student can receive individual attention
- Students are welcome to consult teachers about their studies in additional sessions outside class time
- Participation in class activities is actively encouraged to give greater confidence in the use of spoken English and to develop presentation skills

*Note: Other conditions may apply for entry in some programs.

Academic programs
The prestigious UNSW Foundation Studies programs are available in a range of study streams to meet academic needs. UNSW Foundation Studies also offers a Transition program, which is a one semester program for students with strong English language proficiency who have completed a matriculation program in their own country (for example, A-levels, International Baccalaureate), but have not quite met the entry levels for UNSW undergraduate entry, or for students who have gained direct entry to university but who need to gain assumed knowledge in certain subjects.

Entry requirements
Students are assessed according to results obtained in their school examinations. Consideration is given to the actual subjects studied and their relevance to the preferred Bachelor program. Forecast results may be accepted where appropriate.

Studying as an Australian student
Permanent residents of Australia or Australian citizens with an international educational background are eligible to apply for Foundation Studies programs. Please contact UNSW Global Student Services for conditions of entry and university entry variations.

UNSW pathway packages
The UNSW pathway package offers allow students to apply for a single visa that will cover their period of study. This streamlines the study application process and saves on visa processing costs by not having to extend visas between study programs. A student can receive the following offers, all at the same time:
- an offer for a UNSW Institute of Languages English language program
- an offer for a UNSW Foundation Studies program (may be conditional on meeting the English language requirements), and
- a provisional offer for the nominated UNSW Bachelor degree program.

Student facilities, services and accommodation
As Foundation Programs are offered on campus, students have access to all university facilities including the UNSW library, sports facilities and cultural venues.

Orientation programs, campus tours, regular sports and recreational activities are organised by our Student Advisers, as well as holiday trips and visits to places of interest around Sydney.

Our Accommodation and Welfare Officer looks after guardianship for students who are under 18 years of age as well as arranging airport reception on arrival, and temporary and permanent accommodation for all students.

The Residential College, five-minutes walking distance from the Kensington campus, provides excellent accommodation in a secure environment.

More information
Further information may be obtained from:
UNSW Global Student Services
223 Anzac Parade
Kensington UNSW
Sydney NSW 2052
Australia
T: +61 2 9385 5396
F: +61 2 9662 2651
E: admissions@unswglobal.unsw.edu.au
W: www.ufs.unsw.edu.au
UNSW Foundation Studies students have access to UNSW facilities such as the study areas of the University libraries.
What do I need to know?

Student Development - International
Services for international students
Student Development - International (SDI) at UNSW assists international students to discover the academic and cultural rewards of studying in Australia through the provision of a wide range of programs and services.

To assist new students on their arrival at Sydney International Airport an International Student reception desk is available for general information and directions. This service operates for five weeks before the commencement of each semester.

Just before the start of each semester, a comprehensive orientation program StepUp is provided for new students. StepUp is a free of charge, three-day intensive program which covers topics such as teaching and learning in Australia, cultural transition, time management and career planning. In addition, a series of workshops discussing a range of issues affecting international students is offered during Orientation Week.

Other programs and services offered by Student Development – International include:
- Transition programs
- Individual consultations with an International Student Adviser
- Workshops
- Language programs
- Peer mentoring
- Social activities
- International Student Lounge

Visas, spouses and children
Student visas
All international students must obtain a valid student visa from the Australian Government for the duration of their degree program. Visa application procedure, visa types and requirements are determined and governed by the Australian Department of Immigration and Citizenship.

www.immi.gov.au/students

Studying at UNSW as an Australian permanent resident
If you obtain Australian permanent residency before enrolling in the program or prior to the census date of the semester of first enrolment in that program, your offer of enrolment as an international student will lapse. You will then be considered for admission as a local student.

If you are granted Australian permanent resident status after the census date of your first semester of enrolment or after the census date of any subsequent semester you will have an obligation to pay international fees for that semester. In the following semester your status will change to that of a local student and you will be assessed for both a Commonwealth Supported Place (CSP) and a domestic fee-paying place. Because of government controls on the number of local students who can be enrolled, students who obtain permanent residency may not qualify for a CSP.

Students undertaking summer semester course/s will be liable for international tuition fees unless granted permanent residency prior to the census date of the course/s. In accordance with UNSW standard teaching periods, students may be assessed for a CSP under the above guidelines.

Note: In order to be considered as a local student for any given semester/teaching period, evidence must be presented to the University prior to the census date for the given enrolment (refer to UNSW Fee Policy). Students who provide proof of residency after the census date will remain liable for the international tuition rate for that semester, regardless of when the residency was granted.

Entry of spouse and dependants
Students who wish to bring their spouse and children must provide evidence that they have sufficient funds to support them while they are in Australia. A dependent spouse can obtain permission to work but obtaining employment is not easy. It is not advisable to plan your income on the basis of a spouse obtaining work. A student may need to budget an additional minimum of A$8,000 a year for living expenses for a spouse and up to A$3,400 a year for each child (not including schooling costs).
Schooling for dependent children

The current policy of the New South Wales Department of Education and Training is that dependent children of international students, with the exception of those studying a PhD or on full scholarships funded by the Australian Government or a publicly funded Australian higher education institution, are required to pay the ‘Temporary Resident Administration and Education Fee’. Fees to enrol in a government school for 2011 are A$4,500 per year for kindergarten to Year 6, A$4,500 per year for Year 7 to Year 10 high school students and A$5,500 per year for Year 11 and Year 12 high school students. An application fee of A$110 applies. Confirmation of Enrolment forms are required for dependent children to enter Australia. Applications for schools and visas will need to be planned well in advance of leaving your home country.

Note: Some PhD students are not eligible for the school tuition fee waiver. Please check the Department of Education and Training website for more information.

www.detinternational.nsw.edu.au/schools/study_options/temporary_residents/temporary_residents.htm

Childcare

If you plan to come to Australia with babies or small children, it is important to consider the availability and cost of childcare. Attitudes, facilities and costs of child-minding are probably different compared to those in your home country. Full-time care is difficult to find, especially for children under three years of age, and costs approximately A$68 to $87 a day.

There are four childcare centres on the Kensington campus including Honeypot, House at Pooh Corner, Kanga’s House and Tigger’s Place. There is a long waiting list for places for younger children and it is recommended that you apply early for a place at a UNSW childcare centre.

www.earlyyears.unsw.edu.au

Health care in Australia

Standards of health care in Australia are high. At UNSW, medical, dental and physiotherapy services are available on campus. There are also many medical practices in the suburbs surrounding the University. Public and private hospitals are also located nearby.

Overseas Student Health Cover (OSHC)

The Australian Government requires that all international students with student visas pay for health insurance in Australia through the Overseas Student Health Cover (OSHC) scheme and maintain insurance for the full duration of their student visa. The only exceptions to this requirement are for students from Belgium, Norway and Sweden (covered by CSN or Kammarkollegiet only), who are not required to pay for OSHC if they can provide proof of official health insurance cover from their home government provider. New students must purchase OSHC cover for the length of their student visa. The OSHC Worldcare fees are listed on the offer of admission letter.

There are four registered providers of OSHC and UNSW’s preferred provider is OSHC Worldcare (www.oshcworldcare.com.au). If you decide to purchase your OSHC from the University’s preferred provider, you can arrange it yourself or through the University when paying your tuition fee deposit. If you ask the University to arrange it for you, we will receive a commission which is used to improve services to students.

If you decide to purchase your OSHC from one of the other providers, you will not be disadvantaged but you must arrange it directly with the provider yourself. The other OSHC providers are: BUPA Australia Health, Medibank Private and Australian Health Management.

Further information about other OSHC providers is available from the Australian Department of Health and Ageing website.


You must pay for OSHC before being issued with a student visa or, in the case of continuing students, before being granted a further Temporary Entry Permit. For OSHC Worldcare, the cost of OSHC in your first year of study will be approximately A$420 for single cover and A$840 for family cover.

Note: Membership of health insurance schemes in your home country does not exempt you from paying the OSHC.

Medical treatment

The Australian Government sets a recommended schedule fee for medical services but some doctors charge above this amount. OSHC Worldcare’s scheme covers 100% of the Medicare Benefits Schedule (MBS) fee for a visit to your doctor (outside hospital). For medical services while you are an inpatient at a hospital (when you stay overnight in the hospital) OSHC Worldcare will pay 100% of the MBS fee. In both situations, if your doctor charges above the MBS you must pay the difference.

Hospital treatment

UNSW’s preferred provider, OSHC Worldcare, pays 100% of the rate determined by Medicare for services charged to a patient in a shared ward in any public hospital. The scheme will pay 100% of the insurable costs of medical and hospital services while you are an inpatient at a contracted private hospital (minimum shared accommodation). If a private hospital or doctor charges above the insurable costs, you will have to pay the difference. OSHC Worldcare covers 100% of the rate determined by Medicare for services charged to a patient if you receive treatment as an outpatient of a public hospital. The scheme also provides cover for the cost of ambulance transport if medically necessary for admission to hospital or for emergency treatment.

Exclusions

Students with pre-existing conditions will need to serve a 12-month waiting period for treatment under OSHC Worldcare’s scheme. As with any health insurance, certain services are currently not covered by OSHC Worldcare’s policies. These include optical, physiotherapy, dental and pharmaceutical. If you wish to be covered for these expenses, you need to have additional insurance. For a full list of conditions and further information check with OSHC Worldcare.

www.oshcworldcare.com.au

University Health Service

The University Health Service provides general medical and dental services to students and staff of UNSW at the Kensington campus. You must make an appointment to meet with a doctor or dentist and services are available between 8:30am to 5:30pm on Mondays to Thursdays and 8:30am to 5pm on Fridays.
Daily life

Moving to a new country can be a daunting experience. On this page you will find practical information about living in Sydney on a daily basis.

Living expenses
The University estimates that in 2012 a single international student will require approximately A$20,000 per year to cover living expenses. The amount spent depends on requirements, budget and location. These estimates do not include the costs of large non-essential items such as electrical equipment or a car.

In addition, new students should have at least A$2,000 when they arrive in Sydney to cover initial establishment expenses such as rental bond payment (security deposit); electricity, gas and telephone connection fees; and to purchase basic furniture and household items.

Note: All costs quoted are subject to inflation and currency fluctuations. The current inflation rate in Australia is approximately 2.5-3.5% per year.

Summer vacation expenses
The summer vacation time (December to February) requires special financial planning. Expenses for this period must be carefully estimated and added to costs for the academic year in order to give a realistic total budget for the calendar year.

Part-time and vacation work
Under immigration regulations, international students are allowed to work up to 20 hours per week during semester and full time during university vacations. Students are not permitted to work until they have commenced their studies.

While some students are able to earn extra money from part-time and vacation work, availability of suitable jobs is not guaranteed. It is not advisable to plan your study budget expecting to find work for the maximum allowable hours.

There are many ways to find casual and part-time work - local newspapers, friends, and through the University Careers and Employment Office.

www.careers.unsw.edu.au

Books, stationery and equipment
Do not rush into buying textbooks. It is advisable to wait until your first lectures and tutorials and then ask academic staff which are the essential purchases. The UNSW Bookshop is located on campus. Second-hand textbooks are available from the Second-Hand Bookshop at the Blockhouse and are also advertised on notice boards around the campus. Arc, the University’s student organisation, operates a number of outlets on campus that provide stationery items and other essential student equipment at reasonable prices.

www.bookshop.unsw.edu.au

Banking and postal facilities
There are two banks (the Commonwealth Bank and the ANZ Bank) and a credit union (Unicom Credit Union) on the Kensington campus with full banking facilities. Automated teller machines (ATMs) are available at all hours. The banks and credit union have full financial services including telegraphic transfer of funds from any major bank in the world, within 24 hours of deposit. Postal services are available at the Kensington upper campus Post Office.


Clothing
Warm clothes such as jackets and jeans are necessary in Sydney during the winter months as night temperatures can drop to less than 10 degrees celsius. Simple, casual clothing is standard dress on campus and in summer months, light clothes such as t-shirts are recommended.

Public transport
UNSW is well served by modern public buses. Many students travel to UNSW by regular bus services and there are dedicated frequent bus services from Sydney’s main train station, Central Railway Station. An extensive train system, approximately 15 minutes by bus from the University, can take you throughout much of the Sydney metropolitan area, NSW country and interstate. Regular and express bus services connect UNSW with all the major transport hubs including Central Railway Station, Bondi Junction and with the Harbour Ferry services operating from Circular Quay. Unfortunately, international students in the state of New South Wales are not eligible for state-determined travel concessions as at May 2011.

www.131500.com.au

Religion
Australia is a secular state. People have freedom of religion and worship. While the main religion is Christianity, there are also large communities which follow Islam, Buddhism, Judaism, Taoism and Hinduism.

A Religious Centre is located on the Kensington campus and is available for all students and staff. The Religious Centre is currently attended by Anglican, Buddhist, Catholic, Coptic and Greek Orthodox, Pentecostal, Presbyterian and Uniting Church Chaplains. 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 for Muslim students.

Other religious societies on campus include the Coptic Society, Bah’hai Society, Catholic Asian Students Association, Chinese Christian Fellowship and the Pragathi Hindu Society.

http://studentlife.unsw.edu.au/life/religious-centre

Food and shopping
Sydney is renowned for the variety and quality of its food. In the suburbs surrounding the University, there are many reasonably priced, good quality restaurants, cafés and shops selling food from all around the world. Halal meat is available at butcher shops near the University. On campus, there are a range of cafés and take-away food outlets. There is bound to be an eatery on campus that will satisfy your taste - whether it is sushi and miso, croissants and coffee, vegetarian food, or laksa and noodles! You can find food, clothing, pharmaceuticals, books and stationery in the shops on campus or in the shopping areas around the campuses.

www.bookshop.unsw.edu.au

www.studentlife.unsw.edu.au/life/religious-centre
A place to live

While studying at UNSW, you can choose to live in university accommodation (on and off campus) or in private accommodation options (such as shared houses or apartments, full board, homestay and room facilities).

As an international student, there are several long-term accommodation options available to you, including UNSW accommodation options (UNSW residential college or university self-catered apartments) and independent accommodation options (private rental accommodation, full board, Homestay or room and facilities).

UNSW strongly recommends that students live in university accommodation in their first year to fully experience the benefits of living on or close to campus. These include security, opportunities to make friends, easy access to university facilities and the convenience of moving straight into fully furnished accommodation. However, university accommodation fills up very quickly, so it is best to apply as early as possible.

How to find accommodation

UNSW accommodation includes eight residential colleges and independent self-catered apartments. See page 83 for more information about these options. For application forms and detailed information on accommodation options visit the UNSW Housing website.

If on-campus accommodation is not available, Student Development - International (SDI), which operates the International Student Housing Assistance (ISHA), can help you find suitable accommodation. It is best to arrive three to four weeks before classes start to allow sufficient time to look for accommodation, settle in and attend the orientation sessions.

The UNSW Accommodation Services Office is also able to assist with off-campus housing needs. UNSW Accommodation Services manages the Listing Service which enables students to access local private rental accommodation. The Listing Service advertises vacancies for shared housing, full board, room and facilities, and some rental flats/apartments in suburbs surrounding the University. It also provides lists of local real estate agents, hotels, motels and hostels.

If you require temporary accommodation for the first few days or weeks of living in Sydney, it is best to organise this before arriving in Australia. Temporary accommodation can include private hotels, motels, hostels, lodges and furnished apartments ranging from A$45 to A$300 per day.

www.housing.unsw.edu.au
www.internationalstudent.unsw.edu.au/student_services/isha.html

Independent accommodation options

Rental property

Rental properties are available in suburbs around the University. Rents vary according to the number of bedrooms, condition and location of the flat/apartment or house. Electricity, gas and telephone costs are additional. When renting a flat/apartment or house it is usual to sign a six-month lease and pay rent in advance plus a refundable security deposit, called a ‘bond’. Houses and flats/apartments are usually unfurnished.

It is important to make allowances for establishment costs including the purchase of furniture and equipment. See the Living Expenses section of this guide on page 80 for further details.

Sharing a house or flat/apartment will reduce the cost. Usually, students have their own room and share the cost of rent and other expenses such as bond, electricity, gas, telephone with the other people living in the household. Buying food and cooking is done either individually or on a group basis. Per-person rent in a shared household can vary from A$140 to A$220 per week plus establishment costs. Accommodation may be cheaper in some suburbs further away from the Kensington campus, but you need to consider travel time and transport costs.

Full board

Full board comprises a furnished room and use of facilities in a private home, usually living with a family or single person, with dinner and breakfast provided. Some may include bed linen, laundry service and weekly room cleaning. The UNSW Accommodation Services Office has a limited number of full board places listed with its off-campus listing service. Cost for full board is approximately between A$200 to A$280 per week.

Homestay

Homestay can be used as temporary accommodation on arrival, allowing time to settle in and look for long-term accommodation, or as a long-term accommodation option. Contracts are usually on a monthly basis. Though the UNSW Accommodation Services Office does not arrange Homestays, it does recommend a few Homestay networks. These are private companies that operate independently of the University. They usually charge a placement fee of A$150.

Room and facilities

Room and facilities is similar to Homestay, however, meals are not provided and you will be responsible for buying your own food, doing your own cooking, cleaning your room and doing your washing. Use of the telephone in the home is an extra cost but expenses such as gas and electricity are usually included in the rent. Average cost is between A$140 to A$220 per week.
# University accommodation options

## Residential Colleges

UNSW residential colleges provide full board accommodation for UNSW students, which includes the provision of a meal and a regular cleaning service in addition to academic and pastoral support. There are eight residences on or near the Kensington campus. Each college offers a distinctive environment which varies from college to college, as do facilities and fees. In addition to basic residence fees of about A$245 to A$465 a week, most colleges make additional charges for such items as registration fees, damage deposit and power charges. College accommodation is limited and there are always waiting lists. Each college has its own admissions process and selection criteria and applications must be made to each college independently, preferably three to four months before starting at UNSW. For more information, please visit the individual college websites.

<table>
<thead>
<tr>
<th>College</th>
<th>Rent (A$ Per Person Per Week for 2011)</th>
<th>Who can live here?</th>
<th>Furniture in Bedroom</th>
<th>Meals/Kitchen Facilities</th>
<th>Facilities</th>
<th>Student Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington College</td>
<td>$375</td>
<td>Full-time UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Resident academic staff provide both academic and personal support for a broad range of academic disciplines</td>
</tr>
<tr>
<td>Creston College - <a href="http://www.crestoncollege.edu.au">www.crestoncollege.edu.au</a></td>
<td>$330 - $352</td>
<td>Women who are full-time students of UNSW</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Tutors, residential advisors, chapel</td>
</tr>
<tr>
<td>International House - <a href="http://www.ihu.unsw.edu.au">www.ihu.unsw.edu.au</a></td>
<td>$245 - $260</td>
<td>Full-time UNSW students, except first year undergraduates</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Alumni Connect and mentoring program</td>
</tr>
<tr>
<td>New College - <a href="http://www.newcollege.unsw.edu.au">www.newcollege.unsw.edu.au</a></td>
<td>$369 - $465</td>
<td>Full-time UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Tutors, residential advisors</td>
</tr>
<tr>
<td>Shalom College</td>
<td>$385 - $465</td>
<td>Full-time or part-time UNSW students and students from its associated institutions</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Tutors</td>
</tr>
<tr>
<td>Warrane College - <a href="http://www.warrane.unsw.edu.au">www.warrane.unsw.edu.au</a></td>
<td>$362 - $420</td>
<td>Male UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair, desk lamp</td>
<td>Meals included, kitchenette available</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection included in fees</td>
<td>Tutors, residential advisors, chapel</td>
</tr>
</tbody>
</table>

## Self Catered Apartments

UNSW provides independent, apartment-style accommodation for a range of student requirements, including undergraduates, postgraduates, couples and families with children. Some apartments require tenants to share responsibility for running utilities costs, while others, such as UNSW Village, include utilities in the weekly rent. The popular student apartments are located both on and close to campus. In comparison with rental charges for local apartments in the private sector, the rents for the UNSW university apartments are very competitive. Application details and more information are available on the UNSW Housing website: www.housing.unsw.edu.au

<table>
<thead>
<tr>
<th>Self Catered Apartments</th>
<th>Rent (A$ Per Person Per Week for 2011)</th>
<th>Who can live here?</th>
<th>Furniture in Bedroom</th>
<th>Meals/Kitchen Facilities</th>
<th>Facilities</th>
<th>Student Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barker Apartments - <a href="http://www.asc.unsw.edu.au">www.asc.unsw.edu.au</a></td>
<td>$193 for room in five-bedroom apartment to $450</td>
<td>All UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection point available</td>
<td>No</td>
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<td>Mulwaree Apartments - <a href="http://www.asc.unsw.edu.au">www.asc.unsw.edu.au</a></td>
<td>$172 for room in five-bedroom apartment</td>
<td>All UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Microwave, stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer</td>
<td>No</td>
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<td>46 High Street Apartments - <a href="http://www.asc.unsw.edu.au">www.asc.unsw.edu.au</a></td>
<td>$300 for room in one-bedroom apartment to $410</td>
<td>All UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer</td>
<td>No</td>
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<tr>
<td>UNSW Village - <a href="http://www.unsvillage.com.au">www.unsvillage.com.au</a></td>
<td>$232 for a room in four-to-eight bedroom apartment to $321.50 - $343.50</td>
<td>All UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Microwave, stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection point available</td>
<td>Student support and Resident Assistants to organise social events and activities</td>
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<tr>
<td>New College Village - <a href="http://www.ncv.unsw.edu.au">www.ncv.unsw.edu.au</a></td>
<td>$298 for a superior room</td>
<td>Postgraduate students of UNSW and selected undergraduates</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Microwave, stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection point available</td>
<td>Resident social committee</td>
</tr>
<tr>
<td>Unilodge - <a href="http://www.unilodge.com.au">www.unilodge.com.au</a></td>
<td>$340.35 for room in multi-bedroom apartment</td>
<td>All UNSW students</td>
<td>Mattress and bed, wardrobe, desk, chair</td>
<td>Microwave, stove top, oven, refrigerator</td>
<td>Common rooms, coin-operated laundry and dryer, internet connection point available</td>
<td>Residential committee and on-site manager</td>
</tr>
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Student organisations and sport and recreation

Arc@UNSW
Arc is your student organisation on campus. Whether you are in your first year or last or just studying for a semester, Arc has something for you.

Your student experience at UNSW extends beyond obtaining a university degree - it is also about making new friends, trying new things and having fun. Arc helps you get involved and take advantage of the opportunities available only at a university like UNSW.

Arc is run by an elected board made up of student representatives, alumni and UNSW employees. Arc exists solely to provide services to its members. Every student who enrols at UNSW has the opportunity to become a member of Arc and to take advantage of the benefits Arc provides. Student resources, events and activities provided by Arc include:

- Student representation on issues including those affecting women, international students, indigenous students and the environment
- Events such as Orientation Week, Oktoberfest, International Festival and Artsweek
- Activities such as volunteering programs and clubs to join
- Venues such as the Roundhouse which hosts weekly events and activities including trivia, bands, cheap meals and drinks
- Facilities such as Postgraduate Lounge, music rooms, Kudos Art Gallery, computer and training rooms, rehearsal rooms, and other such spaces
- Student support services such as a solicitor and advocates
- Free publications such as the student newspaper Tharunka, the weekly ‘What’s On’ magazine Blitz and a student diary Arc is located in the Blockhouse at the Kensington campus.

www.arc.unsw.edu.au

The world on campus
There are many international student associations on campus. These groups provide a range of recreational and cultural activities as well as providing social support to students away from their family and friends. Some of these student associations include:


www.arc.unsw.edu.au/club-List-55.aspx

UNSW Fitness and Aquatic Centre
At UNSW there is a range of health, fitness, sporting and recreational facilities and programs available to help make your stay in Australia a fun and healthy one.

UNSW Sport and Recreation offers a variety of facilities and programs including an indoor 50-metre swimming pool, a fully equipped strength and fitness gym with the latest cardio training equipment, and up to 60 different fitness classes per week ranging from relaxed yoga to high-impact body attack. All programs are provided on a fee for service basis, but at affordable student rates.

If sport is of more interest to you, there are squash courts, volleyball courts, basketball courts, and a multipurpose soft floor for martial arts. Outdoor facilities include tennis courts, a synthetic hockey field, a rowing clubhouse and extensive playing fields for a variety of outdoor sports like soccer, cricket, rugby union, hockey, Australian Rules Football, baseball and softball.

You can join one of the 31 UNSW sporting clubs - this is a great way of meeting new people from across the University, as the clubs provide a great social calendar. Most clubs are student run and provide for all levels of skill, with coaching available for beginners in most sports. The clubs offer regular competitive opportunities, social sport or more recreational activities like waterskiing, surfing or scuba diving. UNSW Sport and Recreation also offers a range of social sport competitions.

UNSW is an elite athlete friendly university. Students can be selected to represent the University at national and international university sporting events. The major national event is the Australian University Games held in late September with over 5,000 students from around Australia competing in 28 different sports.

For more information on health and fitness opportunities for students and details on club and University sport visit:

www.sportandrec.unsw.edu.au
Where can I find information?

UNSW online
The best source of detailed information is the UNSW website.
www.unsw.edu.au
You can also find out information about what is happening on campus on the university’s facebook page and Twitter feed.
www.facebook.com/unsw
http://twitter.com/UNSW

UNSW TV
Another great source of information is UNSWTV.
UNSWTV is the new digital media management system for the University. It allows staff and students to easily upload, publish and manage content, including videos, audio and PDFs.
A simple wizard upload system allows users to direct content to a variety of publishing outlets, including UNSW on YouTube and UNSW’s iTunesU channel.
Academics can send content only to a particular course cohort by setting up a collection into which students can post coursework. The choice of publishing outlet is determined by what level of access users want to grant and what copyright they want to assign to the material.
Your social space is UNSW’s Student Channel. Any student with a YouTube account can share videos here by tagging content “UNSWTV”. This is also the place to shop for your needs through the Classifieds Ads section. Go here to find secondhand books, cars, rental accommodation – anything you need.
www.tv.unsw.edu.au
www.youtube.com/unsw
www.studentchannel.tv.unsw.edu.au

UNSW offices
UNSW has its own offices in Australia (Sydney), Europe (Poland), Hong Kong, India (Mumbai), North America (Washington, D.C.), Singapore, Thailand (Bangkok) and Vietnam (Hanoi and Ho Chi Minh City) – listed on the next page. Staff at all UNSW offices are available to help you with any questions you have about studying at UNSW.
UNSW also has representative offices located in major cities in over 190 countries throughout the world (see overleaf).
Representative offices

Key
- UNSW Office
- UNSW Representative Agent
- Location with UNSW Office and Representative Agent

For an up-to-date listing of all officially approved UNSW representatives visit the following website and click on the Overseas Representatives tab: www.international.unsw.edu.au/contact-us/

If an agent claims to represent UNSW but does not appear on this list, to confirm their status please contact internationaloffice@unsw.edu.au

UNSW Offices

Australia
UNSW International Office
Street Address: Ground Floor, East Wing, Red Centre University of New South Wales Sydney NSW 2052
Postal Address: UNSW International Office University of New South Wales Sydney NSW 2052
T: +61 2 9385 6996
F: +61 2 9385 9907
E: internationaloffice@unsw.edu.au
www.international.unsw.edu.au

Europe
UNSW International Coordinator (Europe)
T/F: +44 12 444 1470
E: a.wyzykowska@unsw.edu.au

North America
UNSW International Coordinator (North America)
T: +1 202 577 9216
E: a.waggener@unsw.edu.au

Hong Kong
Suite 2006, 20th Floor The Centrum 60 Wyndham Street Central, Hong Kong
T: +852 2841 2800
F: +852 2588 1724
E: info@unsw.com.hk
www.hongkong.unsw.edu.au

India
415, 4th Floor, Raheja Chamber
Free Press Journal Marg, Nariman Point, Mumbai 400021
T: +91 22 2288 3347-50
F: +91 22 2288 3345
E: infoindia@unsw.edu.au
www.unswindiaoffice.com
Applying to study at UNSW

A step-by-step guide

1. Decide what it is you wish to study – read the details in this guide and visit www.international.unsw.edu.au - Online advisory sessions are available.

2. Check the entry qualifications you need and the structure of the relevant program(s) by viewing Faculty websites and the UNSW Online Handbook at www.handbook.unsw.edu.au

3. Check the availability of your desired program and your eligibility through UNSW Apply Online at www.apply.unsw.edu.au. Most prospective applicants can produce their own Provisional Offer letter based on their present qualifications online for free with no obligation to enrol.

4. Apply online at: www.apply.unsw.edu.au. The fee for applying online is $50, otherwise a fee of $100 is required if you apply using a paper-based application. You should only use the application form in this guide if you do not have access to the internet, and/or do not have access to a credit card.

5. Provide certified or original copies of the required documents to the Direct Admissions Office. Complete undergraduate applications usually take three to four weeks to process. Don’t forget - an application fee is required so you should use all three preferences on your application. Remember to choose carefully as late subsequent program changes may incur an additional application fee and can delay the resolution of your application. Quotas apply to undergraduate programs: once a set number of offers at a Faculty have been issued for a particular semester, any subsequent applications received may be assessed for the next available semester. A quota may be reached before the application deadline. It is advisable to submit your complete application as early as possible and not to leave your application till the deadline. Applications received after the deadline may still be considered in programs where vacancies remain. The University cannot guarantee that they will be processed in time for the commencement of the desired semester.

6. An application receipt will be issued – this will contain your student ID number and may also request further documents and information from you.

7. Application tracking at myUNSW: once you have your student ID number you can monitor the status of your application online at www.my.unsw.edu.au

8. You will be informed of the outcome of your application by email, either directly to you and/or to the UNSW representative office through which you applied. Please nominate a valid legible email address that you check regularly and ensure that email filters are set up to accept email from unsw.edu.au addresses.

9. Successful applicants wishing to accept the offer should follow the instructions in the offer letter. The preferred acceptance method is to accept online at myUNSW.

10. Upon receipt of your acceptance, an electronic confirmation of enrolment (eCoE) will be issued to you, you will need this to apply for a student visa.

11. Before the start of semester you will receive a pre-departure information pack including information about enrolment.

12. Follow the enrolment instructions to complete enrolment online. Online enrolment usually starts one to two months before the beginning of semester.

13. Orientation will normally take place in the week prior to the semester commencement date.

Apply online

Save time and money - the application fee is only $50.

www.apply.unsw.edu.au

Upon completion of your online application, if any further information is required or your details change, please contact the Direct Admissions Office at the following email address:

direct.admissions@unsw.edu.au

T: +61 2 9385 3656
F: +61 2 9662 1049

Important Dates

Applications close at the end October for semester 1 and end of April for semester 2. Late applications will be considered subject to vacancies.

Orientation (Semester 1 2012) 20 February – 24 February
Semester 1 2012 27 February – 25 June
Mid-year recess 26 June – 15 July
Orientation (Semester 2 2012) 11 July – 13 July
Semester 2 2012 16 July – 13 November

Other things to consider

Am I an international student?

If you have Australian citizenship or Australian permanent residency or New Zealand citizenship, you are viewed as being a domestic applicant and are not considered to be an international student regardless of where you reside. International students do not fit the citizenship or residency categories above and may have a different application process and outcome to those viewed as being domestic.

If you gain Australian citizenship or permanent residency status after applying but before you start your studies then you must inform the Direct Admissions Office immediately of this and provide evidence of this change. This will potentially impact any offer you may have been given and require you to apply and be assessed under the same criteria applicable to domestic applicants.

I am an international student studying an Australian Year 12, or an International Baccalaureate, or a New Zealand NCEA qualification. How should I apply?

Students currently sitting any of the above qualifications must apply through the Universities Admissions Centre (UAC) and not directly to UNSW. For more information on how to apply please see www.uac.edu.au

Can I defer the start date of my studies?

Yes it is possible to defer the start of your studies. All deferment requests should be made online at myUNSW www.my.unsw.edu.au before the start of the commencing semester. If approved you will be sent a new offer letter for the deferred period. Please also note if the quota has been reached for the semester/year you wish to defer to then your deferral will be considered for the next available session. Admission and enrolment for deferred students does not occur automatically and deferred applicants are still formally required to complete the acceptance and enrolment process.

What if I am under 18 at the start of semester?

Students under the age of 18 must have their acceptance of offer counter-signed by their parent or legal guardian, and need to be aware that there are additional visa requirements relating to accommodation and welfare arrangements that must be met. See www.immi.gov.au/students/students/573-1eligibility-student-18.htm. If needed, UNSW can assist in meeting these requirements by ensuring appropriate accommodation, welfare and support arrangements have been made. Further details are available from UNSW Student Development – International at www.international.student.unsw.edu.au

Applying for a student visa

Applying for a student visa can be quite a lengthy and complex process. Plan ahead and make sure you have plenty of time. There may be extended student-visa processing times for students from particular countries and this may include the need to present an acceptable IELTS result irrespective of how UNSW views your English language proficiency. Unless applying through a (UNSW) DIAC approved e-visa agent, students should not accept offers for admission until they are in a position to provide evidence of successful pre-visa assessment.

For further details refer to www.immi.gov.au and www.studyinaustralia.gov.au

What if I have a disability?

If you have a disability or pre-existing medical condition that is likely to disadvantage you during your university studies, you are advised to contact the Student Equity and Disabilities Unit. Any information you supply is confidential and will not be taken into account when determining your admission. Service provision is based on Australian standards and may not be the same as you receive at your home institution.

www.studentequity.unsw.edu.au
International Undergraduate Application Form

APPLICATION FEE (non-refundable)
A$50 when applying ONLINE at www.apply.unsw.edu.au
UNSW CRICOS Provider Code 00098G
OR
A$100 for paper applications
(Payable to The University of New South Wales by bank draft, cheque or credit card)

OFFICE USE ONLY for waiver:

Signature
Name & Date
Application Code

1. Personal Details
Have you applied to UNSW before? ☐ Yes ☐ No
If Yes, what is your Student ID Number?
Family Name:
Given Name(s):
Date of Birth (dd/mm/yy):
Sex: ☐ M ☐ F
Email (compulsory):
Country of Birth:
Country/Countries of citizenship:
Are you currently a resident in Australia? ☐ Yes ☐ No
Will you be studying on a student visa? ☐ or another type of temporary resident visa? ☐
Passport Number:
Visa Number:
Home Address (compulsory) (NO Post Office Box address please)
Phone 1: (   )
Agents Address (if applicable):
Phone 2: (   )
Note: To ensure you always receive important emails from UNSW, please add unsw.edu.au to your address book or safe senders list. This will ensure that emails from UNSW are delivered directly to your Inbox.

2. Program Preferences
Preferred semester and year of commencement. ☐ Semester 1 (March) ☐ Semester 2 (July) Year:
After an application has been submitted changes of preference order are possible but additions will constitute a new application and incur a further application fee.
Preferred program code (e.g. 3502) Name of program (e.g. Bachelor of Commerce) Specialisation (where appropriate)

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3. Secondary School Studies - ALL APPLICANTS please provide details of your high school studies. Are you CURRENTLY attempting final year high school qualifications? ☐ Yes ☐ No
If yes, please indicate the date the results will be available (dd/mm/yy):
Month | Year | Country where taken | Name of qualification and institution/school | SSABSA/IB/GCE AL Candidate No.
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Note: If you are sitting for an IB Examination, please authorise the IB organisation to list your results on their website for University access.

4. Tertiary Studies (Post Secondary Studies)
Institution and country Degrees or diplomas held or being completed Completed? Yes or No Years of Study Year of Graduation
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Are you currently enrolled at a tertiary institution? ☐ Yes ☐ No
If yes, where?
Are you sitting for end of year examinations? ☐ Yes ☐ No
If yes, when will results be available?

5. Credit for Previous Studies
Are you seeking credit for previous tertiary studies completed? ☐ Yes ☐ No
If yes, then official subject descriptions from your previous tertiary institution(s) must be attached.

continues over page >
International Undergraduate Application Form

6. English Language Proficiency
   a. English is my first language: □ Yes □ No
   b. I have undertaken studies in which the language of instruction was English: □ No □ Yes – please provide details and supply documentation
   c. I have a valid* English Language Test (TOEFL, IELTS, UEEC, CPE) result. □ Yes □ No (*expires 2 years after test date)
      Test Name: ________________________________
      Test Score: ________________________________
      Test Date (dd/mm/yyyy): ______________________
      Test Centre will send results to UNSW □ Yes □ No
      Test Name: ________________________________
      Test Date (dd/mm/yyyy): ______________________
   *You MUST include original English language test results

7. Funding
   Have you been awarded a scholarship or sponsorship? □ Yes □ No
   If yes, provide name and evidence of scholarship/sponsor:

8. Checklist
   (Your application cannot be considered unless ALL essential documents are attached.)
   I have included with this application form:
   □ The application fee (non-refundable) of A$100 payable by bank draft/bank cheque in Australian dollars made out to The University of New South Wales or complete the credit card authorisation for payment section below. Payable per application.
   □ Original or certified copies of secondary and previous tertiary studies (awards gained, marks and grades).
   □ If not in English, official translations in English plus copies of the original language document will be required. Self-translated documents are not accepted and are considered fraudulent.
   □ English Language proficiency test result (must be an original copy).
   □ IELTS required for package offer.
   □ Video, audio tape or portfolio if required.
   □ Copies of documents can be certified by: Public Notary, staff of Australian diplomatic missions, Justice of the Peace with registration number, administration of institution which issued the document, official representatives of UNSW, UNSW offshore office staff.

9. Privacy Statement
   The information you provide in this application is “personal information” as defined by the Privacy and Personal Information Act 1998 (NSW) [the Act]. It is collected and held by UNSW in order to process your application, admission and enrolment; to send you information regarding UNSW or third party courses or other university matters determined to be of potential interest to you; for administrative and statistical purposes; and (if this application isn’t accepted) to process your application in relation to other courses offered by UNSW or related parties that may be of interest of you. We may disclose your information to others inside and outside NSW, including our related entities such as UNSW Global Pty Ltd, for the same purposes, and you consent to such bodies (including UNSW Global) acting upon your information and communicating with you regarding such courses, up to and including making offers in relation to those courses. You have the right of access to, and alteration of, the information concerning yourself in accordance with the Act and UNSW Privacy Management Plan. UNSW will not disclose your personal information without your consent and without due cause, except as authorised by law. You have the right to refuse this consent, but if the consent is not given your application may not be processed. By signing this document you accept these conditions.

10. Declaration
    I declare that the information declared on this application 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.

    Signature: ________________________________
    Date (dd/mm/yyyy): ________________________

    (NOTE: Unsigned Applications will NOT be processed)
    If you are under 18 years of age your parent/legal guardian must sign this form.

Send your completed application and application fee to:
Postal Address:
Direct Admissions Office
UNSW Sydney NSW 2052 Australia
Fax +61 2 9662 1049
Street Address:
Direct Admissions Office
The University of New South Wales
Lower Ground Floor, Chancellery Building
Gate 8 or 9, High Street, Kensington, NSW 2052 Australia

Application Deadlines for ALL Faculties
Semester 1 - End of October
Semester 2 - End of April
OR
when intake quotas have been reached, whichever is the earlier. Late applications may be considered where quotas have not been reached. However, the University does not guarantee applications can be processed in time for the requested start date. MBBS applicants should apply as early as possible.

Application Fee Payment
I wish to pay the UNSW application fee of A$100 by credit card:
□ Mastercard □ Visa

CARD No. ________________________________

Expiry Date / (month/year): ________________________________

Signature: ________________________________

Date (dd/mm/yyyy): ________________________
UNSW Institute of Languages
Application Form

1. Personal Details (please print clearly)
Family Name (as in passport)
________________________________________
Given Names
________________________________________
Other names (your English name, if any)
________________________________________

☑ Female ☐ Male

Birthdate _______________________________ (dd/mm/yy)
Will you be under 18 years of age on arrival?
☐ Yes ☐ No

Please note: if you are under 18 years of age on commencement of study, certain visa regulations apply.

Country of Birth ___________________________
Nationality (Citizenship) __________________
Passport No. _____________________________

2. Citizenship (please tick relevant box)
Are you a citizen or permanent/temporary resident of Australia? ☐ Yes ☐ No*

What type of visa will you be applying for?
☐ Student ☐ Student Dependant
☐ Tourist ☐ Working Holiday

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 (see Overseas Student Health Cover section).

3. Home/Postal Address
Address in Home Country (compulsory)
________________________________________

City________________________________ State________
Postcode________________________ Country________
Tel __________________________ Fax ____________
Email ____________________________

Address in Australia
________________________________________

City________________________________ State________
Postcode________________________ Country________
Tel __________________________ Fax ____________
Email ____________________________

4. English Language Programs CRICOS Code 067186J
Which course would you like to apply for?

Placement in an English course is subject to a placement test on arrival or results of an IELTS or TOEFL test.

5. English Language Test Scores
If you have taken an IELTS or TOEFL test, please give details and attach a copy of the test result.

IELTS Score (Overall) ____________
IELTS Writing ____________
IELTS Listening ____________
IELTS Speaking ____________
IELTS Reading ____________

Cambridge Score ____________
TOEFL/IBT/PBT Score ____________
PTE Score ____________

6. Future Study Plans
Do you intend to do academic studies in Australia after this course? ☐ Yes ☐ No
If Yes, where?
☐ UNSW Foundation Studies
☐ UNSW
☐ Other university

Level of program:
☐ Bachelor Degree (Undergraduate)
☐ Master Degree (Postgraduate)
☐ PhD (Doctorate)

Name of program __________________

Faculty ___________________________

English for Academic Purposes (EAP)
☐ Introduction to EAP (IEAP)
☐ Academic English Level 1 – 3
☐ University English Entry Course (UEEQ+)
☐ Pre-Foundation English Year (PFY)+
☐ Tertiary Orientation Program (TOP)
☐ IELTS Test Preparation Course (ITPC) + 10-week course

General Proficiency English (GPE)
☐ General Proficiency English (Beginner to advanced)
☐ GPE Cambridge Exam Preparation

Professional English
☐ English for Business Communication
(intermediate & advanced)
☐ English for Law

Which term and date do you want to start your
English course?

How many weeks do you intend to study English?
Number of weeks (in 5 week blocks) ______

Have you been granted a scholarship?
☐ Yes ☐ No Scholarship Name or Sponsor’s Name ____________________________
Do you have a Letter of Offer?  
☐ Yes  ☐ No  
If Yes, is it for:  
☐ Full offer  
☐ Package offer  
☐ Conditional offer  

Commencement date: ____________________________  
Student ID Number (if available) ____________________________

7. Accommodation 2011 †
† For single students only
Do you require us to arrange accommodation?  
☐ Yes  ☐ No  
If yes, please complete the following:
Do you smoke?  ☐ Yes  ☐ No  
Are you happy to live with a host family with children?  
☐ Yes  ☐ No  
Are you happy to live with a family with pets?  
☐ Yes  ☐ No  
Are these any foods you cannot eat?  
☐ Yes  ☐ No  
If Yes, please specify ____________________________
Do you have any allergies/health problems?  
☐ Yes  ☐ No  
If Yes, please specify ____________________________
Other special requests?  ☐ Yes  ☐ No  
If Yes, what are they? ____________________________

Accommodation fees
$245*  accommodation booking fee
$102*** part-board (4 weeks)
$760*** room only (4 weeks)
$410*** under 18 years old fee
*includes GST
** under 18 years old: care arrangement fees apply
*** students under 18 have different accommodation prices  
† fees subject to change

Accommodation date: from / / to / / 

Do you require airport pickup?  ☐ Yes  ☐ No  
If Yes, please complete the following:
Airport pickup: $150  
Please provide arrival details at least two weeks (14 days) prior to scheduled departure.
Arrival date: ______________ Arrival time: ______________
Airline/Flight number: ____________________________

8 Overseas Student Health Cover
It is a condition of a student visa that you maintain Overseas Student Health Cover (OSHC) for the proposed duration of your student visa.
UNSW Institute of Languages can arrange visa-length cover with OSHC Worldcare, its preferred provider of OSHC.
☐ Yes, I would like OSHC to be to arranged:  
☐ Single rate OSHC for myself  
☐ Family rate OSHC for myself and my dependant(s)

The length of OSHC will be calculated and advised, depending on your proposed enrolment period.
☐ 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: ____________________________

9. Agent information
Agency Name: ____________________________
Contact name: ____________________________
Email address: ____________________________

10. Additional information
How did you hear about UNSW Institute of Languages?
Name of any relatives or friends who have completed a course here: ____________________________
Year ____________________________

11. Checklist
☐ Have you filled out the Application Form completely and correctly?
☐ Have you attached copies of all required documents?
☐ Have you listed your course preferences and commencement date?
☐ Have you 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 agree to the Conditions of Enrolment and acknowledge that the personal information provided is covered under the Privacy Policy (required by law).
Signature of Student: ____________________________
Date: ____________________________

If applicant is under 18 years of age the signature of a Parent or Guardian is required.
Signature of Parent/Guardian: ____________________________

(If student is under 18 years of age)
Unsigned applications cannot be processed. Education Representatives cannot sign on behalf of the student.

Correspondence
Lodge the completed form with a UNSW Institute of Languages agent or representative in your country or post to: UNSW Institute of Languages, P.O. Box 863, Kogarah NSW 1465, Australia. Telephone: 61 2 9385 6366 Facsimile: 61 2 9385 2651 Email: admissions@unswglobal.unsw.edu.au ABN 62 086 418 582 UNSW Global Pty Limited CRICOS Provider No. 01020K

2. Published on the website www.languages.unsw.edu.au
UNSW Foundation Studies
Application Form

1. Personal Details (please print clearly)
Official Family Name (as in passport)

Given Names

Other Names (e.g. your English name, if any)

Birthdate __________________ (Day/Month/Year)  □ Female  □ Male

*Please note if you are under 18 years of age on commencement of study, certain visa regulations apply.

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

2. Citizenship

Are you a citizen 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 to provide:

• Attach evidence of Australian Citizenship/Permanent Residency status
• Attach the Australian Student Statement available at www.ufs.unsw.edu.au/documents/Australian_Student_Statement.pdf

Are you currently holding a valid Student Visa to study in Australia?  □ Yes  □ No

If Yes, attach a copy of your Student Visa and indicate Student Visa type:

□ High school  □ ELICOS  □ Foundation  □ Packaged Foundation & University

Student Visa Expiry Date __________________ (Day/Month/Year)

3. Home/Postal Address

Address in Home Country (compulsory)

Home Number and Street Name

City __________________ State __________________ Postcode __________________ Country __________________

Telephone __________________ Fax __________________ Email __________________

Address for Mail (if the same as address in home country, please write "as above")

Home Number and Street Name

City __________________ State __________________ Postcode __________________ Country __________________

Telephone __________________ Fax __________________ Email __________________

4. Preferred Commencement of UNSW Foundation Studies Program

You may list two courses in order of preference for assessment. If you do not meet the entry requirements for the course of your first preference, your second preference will be assessed.

Please refer to the table below for available courses and dates.

<table>
<thead>
<tr>
<th>Preference ONE – Course</th>
<th>Start date (Day/Month/Year)</th>
<th>Preference TWO – Course</th>
<th>Start date (Day/Month/Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Date</td>
<td>1 June 2012</td>
<td>1 June 2012</td>
<td>23 Dec 2011</td>
</tr>
<tr>
<td>Start Date</td>
<td>3 Jan 2012</td>
<td>19 Jan 2012</td>
<td>3 April 2012</td>
</tr>
<tr>
<td>End Date</td>
<td>30 Nov 2012</td>
<td>30 Nov 2012</td>
<td>7 June 2013</td>
</tr>
</tbody>
</table>

5. Preferred Stream

□ Physical Science  □ Life Science  □ Commerce/Business  □ Design/Fine Arts, Media and Building

□ Arts, Social Sciences and International Studies

Please ensure your preferred stream is appropriate for your intended degree.
6. Intended Bachelor Degree
List programs in order of preference.

University Program Code
1. ____________________________________________
2. ____________________________________________

7. Previous Study
1. Name of Secondary School ____________________________ Country ______ Year completed ______
   Level of Study ____________________________
2. Post-Secondary/Tertiary Study  □ Yes □ No  If Yes, please provide details below:
   Name of Institution ____________________________ Country ______ Year completed ______
   Level of Study ____________________________
Note: Please attach original certified copies of your academic transcripts.

8. Overseas Student Health Cover
It is a condition of a student visa that you maintain Overseas Student Health Cover (OSHC) for the proposed duration of your student visa.

UNSW Foundation Studies can arrange visa-length cover with OSHC Worldcare, its preferred provider of OSHC.

□ Yes, I would like OSHC to be arranged. □ Single rate OSHC for myself OR
□ Family rate OSHC for myself and my dependant(s)

The length of OSHC will be calculated and advised, depending on your proposed enrolment period.

□ 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 ________________

9. English Language
If you have taken or intend taking an IELTS or TOEFL test, please give details and attach a copy of the test results if available.

□ I have the following test result: IELTS Score _______ Date _______ Test report form no. _______
□ I will be sitting for a test: TOEFL Score _______ Date _______ Test Centre _______
□ TWE/Writing Score _______ Date _______

Are you currently studying or do you intend studying an English Language course before your Foundation Program?

□ Yes □ No

Have you previously studied in Australia? □ Yes □ No

If you answered Yes to either question, please give details of these other programs below.

<table>
<thead>
<tr>
<th>Start Date</th>
<th>Finish Date</th>
<th>Duration (English, high school etc.)</th>
<th>Type of Program</th>
</tr>
</thead>
</table>

10. Other Information
How did you hear about UNSW Foundation Studies?

Are you using the services of an education agent for your application? □ Yes □ No

If Yes, Agency Name: __________________ Contact name: __________________
Email address: __________________

11. Checklist
□ Have you filled out the Application Form completely and correctly?
□ If you are Australian Citizen/Permanent Resident, have you signed and attached the Australian Student Statement available at http://www.uts.unsw.edu.au/apply-now.html?
□ Have you provided your Address in Home Country (Compulsory)?
□ Have you listed your course preferences and commencement date?
□ Have you nominated your intended Bachelor Degree?
□ Have you attached certified copies of all required documents? Please note that each page must be certified in accordance with our guidelines available at www.ufs.unsw.edu.au/apply-now.html?
□ Have you 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 enrollment at any time. I agree to the Conditions of Enrollment and acknowledge that the personal information provided is covered under the Privacy Act (required by law).

Signature of Student: __________________ Date: ________________
(Unless applications cannot be processed. Education Representatives cannot sign on behalf of the student.)

If applicant is under 18 years of age the signature of a Parent or Guardian is required.

Signature of Parent or Guardian: __________________ Date: ________________

Correspondence:
Lodge the completed form with a UNSW Foundation Studies representative in your country, or post to:
UNSW Foundation Studies, UNSW Sydney NSW 2052 Australia
T: + 61 2 9386 8396  F: + 61 2 9382 2651  E: admissions@unswglobal.unsw.edu.au

2. Published on the website www.ufs.unsw.edu.au