INTERNATIONAL UNDERGRADUATE

UTS:MCU / JOB 18861 / MAY 2015

CONTACT UTS

UTS International offers advice and support to international students during the application process and throughout their studies at UTS. We are located at the City campus. Contact us at:

www.international.uts.edu.au

General enquiries:
international@uts.edu.au

outside Australia:
Tel: + 61 3 9627 4816
freecall within Australia: 1800 774 816

Application enquiries:
international.applications@uts.edu.au
Tel: + 61 2 9514 1531
Fax: + 61 2 9514 1530

Postal Address
UTS International
University of Technology Sydney
PO Box 123
Broadway NSW 2007
Australia

City campus address
UTS International
University of Technology Sydney
Level 3A, UTS Tower Building
15 Broadway, Ultimo

www.facebook.com/utsinternationalstudents
instagram.com/utsint

UTS CRICOS Provider Code: 00099F
UTS:INSEARCH CRICOS Provider Code: 00859D

The University of Technology Sydney (UTS) has used its best efforts to ensure that the information contained in this guide was correct and current as at April 2015. The information is provided in good faith as a guide and resource for new students. UTS accepts no responsibility for any error or omission. Any information contained in this guide is subject to change from time to time. You are advised to check the accuracy and currency of the information with the relevant faculty or unit within UTS, or with the relevant external organisation, before acting upon the information.

www.uts.edu.au
I’m pleased to introduce you to UTS, a world-class educational experience providing opportunities to broaden your academic, personal and professional horizons.

UTS warmly welcomes international students. With around 37,400 students from 120 different countries, including Australia, UTS is a reflection of Sydney’s cultural diversity.

Our vibrant campus is in the heart of Sydney’s southern CBD, within Sydney’s new creative and technology innovation industries hub.

The UTS campus offers three new iconic state-of-the-art facilities, including Australia’s only Frank Gehry-designed building. The innovative, dramatic design and integrated technologies of these new facilities reflects UTS’s position at the cutting edge of creativity, innovation and technology.

Inside these facilities, you will learn in classrooms, study pods and social hubs that support student and staff collaboration. The design of these new spaces supports the UTS Model of Learning, which offers a hands-on style of teaching and learning that builds practical skills and academic knowledge, challenging you to think critically and learn actively.

Our students also collaborate with industry, through our strong partnerships with companies and professional bodies. Our industry links also means our teachers are experts in the field, and our courses are innovative and industry-relevant.

UTS connections are also international, which ensures our students are well-equipped to operate in an international environment.

Our global reputation is reflected in our university rankings, in which UTS has continually improved its position and is now ranked in the top two per cent of universities globally. UTS is also ranked in the top 30 most internationalised universities in the world by Times Higher Education 2015.

At UTS, we believe a successful education should help foster personal growth. Social, academic and industry events provide opportunities for you to meet people and settle into university life. A variety of personal and support services can also help you throughout your degree – from English language support, to career programs to improve your employability skills.

Join the Community Connections program for a chance to mix with Australian and international students, and get involved in the wider Sydney community through a range of activities. You can also participate in our global leadership program BUILD and our social venturing program SOUL to develop exciting new skills and experience.

As you read through the 2016 Course Guide, you will discover the benefits of studying at UTS and living in Sydney – where you can enjoy a world-class education in the heart of one of the world’s great global cities.

I look forward to seeing you on campus in the future.

Professor William R. Purcell
Deputy Vice-Chancellor and Vice-President (International and Advancement)
StellAR app instructions
– The StellAR app instructions should be included on the first page inside a brochure or catalogue, or if space is at a premium, on the back of a pack for example. Reference to where to find these instructions can be repeated at the bottom of any pages with AR interactions. The minimum, would be to show the StellAR logo next to each AR activation.

StellAR app logo
– Use the StellAR app logo for each AR activation with the instructions: “Scan with StellAR App”. Additional wording can be used to describe what the audience will be able to view.

StellAR app Help screens
– When a person opens for the StellAR app for the first time, they are shown instructions on how to use the app. This can be accessed at anytime within the StellAR app.

Create Great Content
To create a truly engaging AR campaign, the content must provide real value for your audience through a unique experience. Careful consideration should be made to get this right from the start, to ensure your audience is not discouraged viewing future campaigns.

AR content may include:
● additional product details and photo slideshows
● interactive panoramas of a location or interiors
● exclusive videos
● links to a competition
● links to buy online
● exclusive coupon code for discounts
● social sharing
● and much more

Content should always be kept up-to-date and relevant, to location and audience.

To access content you must have a good internet connection. Hold your device away from the page, to ensure the entire page can be scanned by the STELLAR app. Compatible with iPhone, iPad, and iPod touch. This app is optimised for iPhone 5. Requires iOS 6.0 or later. Also compatible with Android devices, 3.1 and later.
STUDY IN THE HEART OF SYDNEY

Sydney combines the downtown feel of a busy metropolis with a relaxed lifestyle. Framed by its famous harbour, sandy beaches and national parks, and suburbs with their own unique identity, the city is in easy reach of places to explore.

NO. 4

MOST LIVEABLE CITY FOR STUDENTS IN THE WORLD.

QS Best Student Cities 2015.
Sydney brings together nearly 4.5 million people in an eclectic mix of cultures, races, religions and professions. Sydney offers a high standard of living, and the mild climate also allows Sydneysiders to enjoy leisure activities such as surfing, hiking or camping. The city also offers a rich calendar of entertainment, cultural activities and sporting events.

“I like the top notch living conditions, safety and opportunities, which make Sydney the best city to live in. I’m proud to say that I love being a Sydneysider. The best thing about studying at UTS is undoubtedly its location. UTS is right here at the heart of Sydney!”

SREEJITH NAMBOOTHIRI, INDIA
Master of Business Administration

Awarded as a top international destination for festivals and events, Sydney hosts a wide range of public events and activities throughout the year – and many of them are free! Enjoy film festivals, street fairs, outdoor art exhibitions and installations, sporting events and cultural activities.

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<th>Sydney’s Climate is Moderate</th>
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<td><strong>Celsius °C</strong></td>
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<td>Autumn March – May</td>
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<td>Summer December – February</td>
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About UTS

SYDNEY’S CITY UNIVERSITY

UTS offers international, innovative and industry-relevant education in the heart of the global city of Sydney.

AN INTEGRAL PART OF THE CITY
UTS is located in the heart of Sydney, one of the world’s most vibrant cities.

Within easy walking distance of Central Station and the Sydney CBD, UTS is easily accessible by bus and train. Our campus is close to cosmopolitan inner-city suburbs and surrounded by places to shop, eat, socialise and relax.

UTS is located within Sydney’s creative industries precinct, close to major design, architecture, advertising, fashion and media businesses, and film and television broadcasters. Almost 40 per cent of Australia’s IT and creative industries are also located in Sydney.

Sydney is Australia’s financial and business capital, the location of 40 per cent of Australia’s largest companies and the regional headquarters for many multinationals.

UTS maintains strong relationships with local industry and the professions. Our connections with industry and wide networks help students develop their skills, gain valuable experience and make contacts to boost career opportunities.

UTS PROGRAMS OUTSIDE AUSTRALIA
UTS transnational programs provide students with the opportunity to study UTS courses in China. The programs have the same structure, quality and award as programs delivered at UTS in Sydney. For more information go to www.uts.edu.au/future-students/international/transnational-programs.

“I love Sydney, and I feel very much at home here in Australia. Sydney has a fantastic mix of different cultures and communities, along with an absolutely beautiful geography. The environment is very clean, people are kind, and there is always a vast array of social and cultural events to attend.”

Nubia Rodriguez Contreras, Colombia
Master of Information Technology

UTS Tower Building
UTS’s central location means students can easily access Sydney attractions, entertainment and essential services from our campus doorstep.

**UTS CITY CAMPUS IS:**
- **5 minute walk** to Central Station, Chinatown and Darling Harbour
- **10 minutes** by train to the Sydney Opera House
- **10 minutes’** walk to cinemas, theatres, cafes, galleries, markets and live music venues
- **30 minutes** by public transport to Bondi Beach
- **90 minutes** by train to bushwalking, camping and rock climbing in the Blue Mountains

**ABOUT UTS**

**SYDNEY’S CENTRAL BUSINESS DISTRICT**

- **Darling Harbour** is a short walk from campus, and surrounded by several restaurants. On the weekend, many enjoy the spectacular fireworks displays.

**CHIPPENDALE**
Directly across from the UTS Tower is open parkland and The Living Mall, with places to shop and dine, as well as pop-up galleries and installations.

**CHINATOWN**
UTS is close to Chinatown, and host to a number of Chinese, Vietnamese, Thai, Korean and Japanese restaurants. The area also offers a variety of speciality supermarkets.
“UTS has continually improved its position in international rankings, and these ratings reinforce our global reputation and rapid progress towards our vision to become a world-leading university of technology.

Ultimately these rankings reflect our innovative and ambitious nature and practical research focus. Combined with ground-breaking campus developments and the university’s location in the heart of Sydney’s digital creative precinct, UTS is a first-rate choice for students both internationally and in Australia.”

PROFESSOR ATTILA BRUNGS
VICE-CHANCELLOR UNIVERSITY OF TECHNOLOGY, SYDNEY (UTS)
FACTS AND FIGURES

WORLD-CLASS RESEARCH
UTS research is benchmarked at "world-standard or above" by the Australian Federal Government’s ERA report in December 2012.

150 companies PARTNER with UTS, sharing their research and expertise.

184,000 UTS ALUMNI

Choose from more than 160 undergraduate and 180 postgraduate courses

120 different nationalities

145 languages spoken

76% of Australian-resident graduates were in FULL-TIME or PART-TIME EMPLOYMENT three months after completing study or were undertaking further study.

Source: 2014 Australian Graduate Survey

39,075 students enrolled at UTS

40 countries and territories

10,735 international students

Exchange agreements with more than 220 UNIVERSITIES

OF THE AUSTRALIAN TECHNOLOGY NETWORK (ATN)
The ATN is a group of prominent universities committed to working with industry and government to deliver practical and professional courses.

UTS offers one of the largest student mobility programs in Australia.

180 undergraduate and
Choose UTS

PRACTICE-BASED COURSES

UTS offers practical learning in cutting-edge facilities. With strong industry connections and many expert teachers, students are exposed to the most relevant and up-to-date knowledge and skills. Our students are equipped with as much hands-on experience as possible, making them attractive to prospective employers.

UTS: Communication students have access to an array of production facilities, which offer the latest tools of the trade to develop skills in professional practice. Students learn through real-world case studies and are encouraged to take advantage of industry partnerships and undertake work experience as part of their degree.

Courses at the UTS Business School offer a mix of real-world case studies, extensive group work and industry projects to help students apply their skills and knowledge in a workplace scenario. Students learn to draw on a range of key business disciplines to solve complex business problems.

HEAR WHAT OUR STUDENTS HAVE TO SAY!

TO FIND OUT HOW YOU’LL LEARN AT UTS!

TO TAKE A TOUR OF OUR CAMPUS!

TO
Renowned for its progressive teaching programs and applied research, UTS: Engineering has close links with industry and leading research organisations. Many teachers are also part-time practising professionals, making the teaching relevant, applied and global.

UTS: Education integrates innovations in teaching and learning into the content of all courses, as well as how they are delivered. Taught by leaders in their area of expertise, students are exposed to up-to-date learning opportunities and access to guest lecturers and diverse organisations.

UTS: Design, Architecture and Building students have access to a variety of cutting-edge facilities such as purpose-built labs, workshops and innovative learning spaces. With a practical approach to learning, students will graduate with the skills, knowledge and hand-on experience sought by employers worldwide.
Choose UTS

**UTS MODEL OF LEARNING**

The UTS Model of Learning is a practice-oriented, globally-relevant and research-focused approach used to develop highly valued graduates for the global workplace. Underpinned by the UTS Model of Learning, the design of the new campus spaces enables students to experience creative, integrated and collaborative learning supported through the use of contemporary technologies.

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**UTS: International Studies** exposes students to language and cultural studies, providing valuable experiences, cultural awareness and international connections valued by employers in the global workplace.

Various mentoring programs are available for UTS: Law students, including the First Year Peer Mentoring Program which connects new students with their peers and senior law students. The Academic Mentoring Program provides one-on-one, staff-to-student support and the High Achievers Mentoring Program matches top-performing students with influential members of the legal profession.

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*To find out how you’ll learn at UTS!*
UTS: Science students develop practical skills in laboratories fitted with up-to-date scientific equipment. In the new Super Lab, touchscreen monitors and microphones enables multiple classes to operate concurrently. There are also break-out areas to encourage group work and informal meetings.

UTS: Information Technology courses are practical, industry-focused and regularly updated. Lecturers maintain cutting-edge IT skills through regular involvement in consultancy work and research with industry, meaning subjects are designed around leading-edge and emerging areas of IT.

Hands-on experience is integrated throughout UTS: Health courses. Students practice their skills on state-of-the-art robotic patient simulators in our clinical labs, and have access to external clinical placements and sport and fitness industry internships.
Choose UTS

LEARNING FUTURES

At UTS, students engage in activities designed to develop knowledge, skills and attributes needed to become a professional. Our unique approach to learning supports a seamless integration of the best of online and face-to-face on campus collaborative learning.

UTS partners with leading organisations that recognise the value of creativity and technology in driving business results. Learn from industry practitioners who share their up-to-date industry knowledge and skills. Apple Computer co-founder Steve Wozniak is one of UTS’s adjunct professors, and works with staff and students in the Centre for Quantum Computation and Intelligent Systems in UTS’s Faculty of Engineering and IT.

As a research institution, UTS has a reputation for practical innovation, providing relevant solutions to current national and international problems. UTS research focuses on six theme areas: Business Innovation; Creative Industries and Civil Societies; Sustainability and the Built Environment; Health Futures; Communication and Intelligent Systems; and Future Services, Industries and Productivity.
The UTS Graduate School of Health provides practice-based education and high impact research in the areas of clinical psychology, health policy, orthoptics and pharmacy. The school’s research aims to improve the quality use of medicine for both individuals and communities.

A range of study spaces across the UTS campus support informal and formal learning experiences and offer places for group collaboration and social hubs to relax. Many of these indoor and outdoor environments are equipped with power and WIFI access.

Combine a professional degree with the Bachelor of Creative Intelligence and Innovation. With a focus on conceptual thinking and problem-solving that drive creative, innovative and entrepreneurial outcomes, graduates will be sought after by employers around the world.
Choose UTS

A WORLD-CLASS CAMPUS

UTS’s iconic new buildings and refurbished facilities are shaping the future of learning through a new suite of spaces where students can learn, study, collaborate and socialise.

ENGINEERING AND IT BUILDING

This contemporary building is in itself a living, breathing laboratory, embedded with wireless sensors to monitor temperature, air quality, noise and dust particles. The building features a 3D data visualisation arena showcasing the latest in immersive technology, as well as a Software Development Studio and a dedicated learning and design centre.

Photo: Andrew Worssam

UTS LIBRARY

The UTS Library provides a mix of spaces to best meet students’ study and research needs, such as group study areas and silent rooms. UTS is also the first university in Australia, and the eighth location worldwide to be gifted with a Chinese Library by the Government of the People’s Republic of China. The China Library includes books, audio visual materials and multimedia displays, as well as reading and study areas.

Madame Cui Yuying, Vice Minister of China’s State Council Information Office at the opening of the China Library. Photo: Australia China Relations Institute.

TO HEAR WHAT OUR STUDENTS HAVE TO SAY!

TO FIND OUT HOW YOU’LL LEARN AT UTS!

TO TAKE A TOUR OF OUR CAMPUS!
SCIENCE AND GRADUATE SCHOOL OF HEALTH BUILDING

Overlooking the Alumni Green, this building provides a mix of collaborative teaching spaces for the Faculty of Science and Graduate School of Health. Facilities in the new building include advanced specialist labs and a Super Lab. With capacity for 200 students, it is one of the first multi-disciplinary Super Labs in the world, where a range of sciences can be taught simultaneously using advanced AV technology.

Photo: Andrew Worssam

DR CHAU CHAK WING BUILDING

Australia’s only Frank Gehry-designed building provides teaching, learning and research spaces for the UTS Business School. Primarily for postgraduate students, the building includes oval classrooms, seminar rooms, research centres and study pods to facilitate collaboration and innovative thinking.

Photo: Andrew Worssam

UTS ALUMNI GREEN

The Alumni Green is a vibrant, tree-lined city space that forms a central meeting place for the university community. Offering three distinct zones, it has informal seating areas with power outlets where students can study or relax, and provides room for events and activities like table tennis and picnic lunches.

Photo: Andrew Worssam

SCIENCE AND GRADUATE SCHOOL OF HEALTH BUILDING

Overlooking the Alumni Green, this building provides a mix of collaborative teaching spaces for the Faculty of Science and Graduate School of Health. Facilities in the new building include advanced specialist labs and a Super Lab. With capacity for 200 students, it is one of the first multi-disciplinary Super Labs in the world, where a range of sciences can be taught simultaneously using advanced AV technology.

Photo: Andrew Worssam
A Day in the Life

University isn’t just about attending classes. At UTS, there are plenty of places to study, catch-up with friends and relax.

**7.45AM**
Prepare for class in an open access computer lab.

**9.30AM**
On Wednesday, grab a free breakfast on your way to class from the Bluebird Brekkie Bar.

**10.15AM**
Make use of specialised group-work areas and work on a presentation. These spaces are equipped with SMART boards, plasma screens or touch-screen projectors.

**11.45AM**
Got a query? Drop in to one of our Student Centres for some assistance.

**12.30PM**
Join your friends for a social game of sport at the Milbourne Sports Hall, or enjoy a work out at the fitness centre.

**1.45PM**
Refuel at a variety of eateries on campus such as Penny Lane Bar & Café, DAB Café or takeaway outlets in The Underground.
3.00PM
Relax on Alumni Green between classes or play a game of ping pong.

4.30PM
Meet up at the Courtyard in Haymarket to finish a group assignment. Plug in to the outdoor power ports and connect to WIFI.

6.45PM
Kick back with the latest films or a game of pool at The Underground.

9.00PM
Catch-up after class in our study spaces.

11.15PM
Take a much-needed break from study in our learning spaces. With 24 hour on-campus security, you can feel at ease.

1.30AM
Need to pull an all-nighter to finish your assignment? UTS has 24 hour access to computer labs and UTS Security can escort you to UTS Buildings, UTS Residences and Central Station. A Security Shuttle Bus also runs 7 nights a week from 6.30pm to 2am.
CONNECT. LIVE. LEARN

UTS offers a range of support services for students, many of which are free. You can make an appointment with a doctor, get assistance writing and speaking English and help with assignments. Make use of these services from your first day at university.

**ORIENTATION** [www.orientation.uts.edu.au](http://www.orientation.uts.edu.au)

The UTS Orientation program welcomes you to university life and helps you to get the most out of your student experience. Discover the services available, tips on living in Sydney and meet new friends.

> "Orientation was very helpful – because you are in a new place and a new university, the Orientation program is a way to link new students to the university. The program has so many activities, so you can also connect to Sydney."

**Jorge Armas Valdivia, Peru**
Master of Project Management


Peer Networkers are student volunteers who are there to help new students when they first arrive on campus and throughout each semester. The Peer Network also encourages students to connect with others from Australia and around the world through the weekly Peer Network Café.

> "When I came to university, the Peer Networkers helped me, and now I’m a Peer Networker. We help out during Orientation and every Thursday there is the Peer Network Café, which is a good way for international students to make friends."

**Wendy Shi, China**
Bachelor of Business (Management)

**UTS INTERNATIONAL** [www.international.uts.edu.au](http://www.international.uts.edu.au)

The UTS International Student Centre, provides you with face-to-face contact to answer your enquiries regarding studies, administrative issues and living in Sydney.

> "I always have a really good experience at the International Student Centre; if I need any help or if I don’t understand the information online I usually visit the Student Centre and ask the staff there."

**Utzii Batmunkh, Mongolia**
Master of Engineering (Energy Planning and Policy)

**AN OPEN & RESPECTFUL ENVIRONMENT** [www.uts.edu.au/current-students/support](http://www.uts.edu.au/current-students/support)

UTS is a diverse community, welcoming many different cultures and faiths. There is a chaplaincy service, which includes Baha’i, Buddhist, Christian, Jewish and Islamic chaplains, as well as clubs and societies offering spiritual support.

> "UTS provides a multi-faith service so you can perform your prayer any day. There are also societies you can join which run several programs; you can have friends from different countries and at the same time practise your religion."

**Muhammad Anshar, Indonesia**
Doctor of Philosophy in Computer Systems
UTS provides free English language and academic literacy skills assistance to students. Services include weekly study, reading and speaking skills workshops, writing clinics, daily drop-in consultation. Practise speaking English with staff and student volunteers through the daily Conversations@UTS sessions.

“I really needed to practise my speaking skills so I used the Conversations@UTS classes at the HELPS centre. It’s very relaxed and the people are very easy going. It helps you build your confidence, so when you are in front of class doing a presentation you already know what to say and how to express yourself.”
Ricardo Guerra, Ecuador
Master of Engineering Management


U:PASS is a study group facilitated by senior students who have done well in a subject, tutoring more junior students. Within a session, you may review lecture notes, participate in problem solving activities or prepare for exams.

“U:PASS leaders don’t teach like a normal session. If you bring some problems, they solve the problem together with you, not for you. They give you the skills and the ideas, which is more helpful, rather than giving you the solution.”
Sagar Bhandari, Nepal
Bachelor of Engineering Diploma in Engineering Practice [Mechanical and Mechatronics]

HEALTH SERVICE  www.uts.edu.au/current-students/support

UTS Health Service provides confidential medical care to students, with both male and female doctors available most days. A Traditional Chinese Medicine clinic within the Faculty of Science, also offers acupuncture, herbal medicine and massage.

“I took advantage of medical services at UTS; I always used to go to the doctor here. It was valuable to know that you could go to a place that was easy because it was just at the university. I also knew other people who were going to the same doctors, so it was a recommendation as well.”
Janna Jungclaus, Germany
Bachelor in Arts in Communication [Information Management]

COUNSELLING SERVICE  www.uts.edu.au/current-students/support

UTS counsellors are university-trained psychologists or social workers who are available to help with a wide range of personal, relationship, psychological, study and administrative difficulties.

“I was going through personal problems and was also overwhelmed with my assignments – it was all becoming too much for me. I went and saw the counsellors, and spoke with them about my problems. They were worried and decided to talk to my subject coordinators to extend my assignment due dates. That really helped me to pass my assignments.”
Varina Iobuna, Papua New Guinea
Master of Nursing [Education]
Support Services

CONNECT. LIVE. LEARN

COMMUNITY CONNECTIONS  www.communityconnections.uts.edu.au

Community Connections encourages local and international students to meet friends, discover the city and engage with the community of UTS and Sydney, through day trips, cultural events and volunteering activities.

"Community Connections has given me the opportunity to meet new friends, to explore Sydney and to have a great experience while living here. It’s made my new life at Sydney and also UTS really exciting and wonderful."

Thi Phuong Dung Ho, Vietnam
Master of Engineering Management

SOCIAL CLUBS AND EVENTS  www.activateuts.com.au

There’s always something exciting happening on campus – free weekly barbecues, bands, festivals and club activities means that you can get involved in university life, connect and socialise with your peers. Choose from over 100 clubs covering a range of sporting, cultural, political and religious interests.

"I am part of three clubs because I enjoy being social with others, I like to meet new people and interact with them. Most importantly you get to meet loads of people from different nationalities and backgrounds."

Stephan Stevnsborg, Denmark
Bachelor of Management in Tourism

SPORT AND RECREATION  www.activateuts.com.au

Take advantage of the great outdoors – join an adventure group to learn how to windsurf, scuba dive and more. On campus, join weekly team sport competitions in our Milbourne Sports Hall, or work out in the full-equipped fitness centre.

"I usually book the Sports Hall in advance to play badminton with my friends during the week and on the weekends we all play indoor cricket. There are also social sports competitions during the week where anyone can drop in and join a team to play. I really enjoy going there as it allows me to get away from studies and helps me relax."

Asif Hassan, Bangladesh
Bachelor of Engineering (Civil and Structural)

SAFE, FAIR AND SUPPORTIVE  www.uts.edu.au/current-students/information-special-needs-students

UTS celebrates diversity – and a safe, nurturing environment to encourage all students to feel valued. If you have financial difficulties, a disability or an ongoing medical condition, which may affect your study, the UTS Special Needs Service can provide advice and services. Confidential advice and support can also be provided by various university groups if you encounter any problems on the grounds of harassment.

"I enjoy coming to UTS every day to study and work on assignments. UTS offers an incredible campus environment, which is open 24 hours a day. The staff are also very supportive, and committed to helping students across the university."

Gerardo Contreras Vacca, Colombia
Master of Business in Marketing
BEYOND UTS INTERNATIONAL LEADERSHIP DEVELOPMENT

BUiLD

BUiLD is an exciting and dynamic leadership program, which is free to join and open to all UTS students.

BUiLD provides you with a range of opportunities, locally and internationally, which will help you to develop your leadership potential. BUiLD takes you beyond your degree, giving you the chance to explore issues of social enterprise, sustainability and social justice.

The program will equip you with the skills and tools to kick-start a meaningful career through a range of workshops, seminars, guest lectures, international relations events, networking sessions and overseas opportunities.

On-campus events have previously included inspirational speakers such as:

> Senator Sekai M Holland MP, Zimbabwe, Human Rights Activist and UTS Alumna
> Avis Mulhall, Creator Think Act Change and Co-founder Creative Nation
> Tim Silverwood, Ocean Conservationist and Founder Take3 Clean Beach Initiative
> David Batstone, founder of Not for Sale social enterprise and sustainable solutions

Students also have the opportunity to apply for travel grants to participate in short-term international opportunities. The overseas programs range from summer schools and experiential learning programs, to conferences and volunteering opportunities.

These have previously included:

> University for Peace in Costa Rica – A four-week Winter School and Non-Government Organisation (NGO) Work Experience delivered in partnership with the United Nations mandated University for Peace, giving students the opportunity to study issues of human security and work in a local Costa Rican community development NGO.
> Sport for Development in Kenya and the Maldives – A four-week volunteering placement shaping the lives of the next generation of Kenyans through sport.
> Midwifery in Indonesia: Improving Maternal Health – A challenging experiential learning program giving our students the opportunity to explore first-hand the challenges of contemporary midwifery practice and maternity service provision in Indonesia.
> Sun Yat-sen International Summer Program in China – A three-week program offering students the opportunity to learn about the historical, cultural and business aspects of the Pearl River delta in Southern China.
> 40K Globe: Social Entrepreneurship in India – A four-week internship providing students with grass roots training in social business.

“... quite a diverse group of students that went over. I have a particular interest in human rights – especially for children and youth. But we also had some people doing business and science, and we touched on that as well. It’s definitely encouraged my thinking in terms of what I want to do when I graduate. It’s also encouraged my interest in going to South-East Asia and working there – something I never would have considered before.

I would advise other students to join BUiLD. I’ve told so many already – it’s such a good opportunity. The fact that the programs are all within semester break is great. And you can apply for travel grants, which means that you don’t have to save up a lot of money for it.”

Linnea Wastberg, Sweden
Bachelor of Arts in Communication (Social Inquiry)
Your career is in your hands: preparation for graduate success can start from your first months at university as you begin building your professional network. UTS offers resources and tools to guide you on the path to your professional career.

**MONIQUE RYAN**
Careers Consultant (International)
UTS Careers
Accomplish Award

“Accomplish Award prepares international students for the demands of the Australian work-force by complementing their university studies with practical workshops and industry based placements.

A high percentage of international students who have participated in the program are now employed either full time or part time, with many of these students working in a field directly related to their degrees.”

**DIANE LATTA**
Finance and Fundraising Officer
National Parks Association of NSW

“The internship program gives international students a great opportunity to get some practical work and to soak up the culture of the way offices run in New South Wales. I start them off by going back to the basics of bookkeeping, and I give them problems and challenges and they work their way up to our annual finance reporting. They find it really interesting and it gives them more self-confidence and a lot of basic skills that they don’t necessarily pick up being at uni.”

**LUCIE DA GRACA, FRANCE**
Master of Business in Marketing
Completed Working Solutions program (now Accomplish Award)
Currently working as Digital Marketing Assistant at Open Colleges

“The program included a series of workshops over several weeks. It really helped me to prepare the best to start my career. We learnt how to do a resume, cover letter, how to network, but also how to integrate in the Australian workplace. And it also helped me to find a great internship – that was probably the best part.”
Early in your degree

**ARE YOU WORD PERFECT?**
Ensure your language skills are at a professional level by practising as much as possible. Contact HELPS for free support with written and spoken English and join Conversations@UTS to build your confidence.

**START CASUAL**
Get your first taste of qualified work: complete your profile on StudentJobs@UTS to be considered for casual or part-time roles on campus, building work-ready skills while just minutes from lectures.

Mid-way through your degree

**DON’T MISS OUT!**
There are a range of careers events held throughout the year, designed to prepare you for paid employment and the application process. Check the Careers Event Calendar regularly at www.careers.uts.edu.au

**LEND A HAND**
Any recruiter will tell you that volunteering in your area of expertise is the best way to get a feel for the sector, develop skills and build connections. Not to mention you’re on hand to apply if a paid position appears! Visit UTS’s Vacation, Internships and Voluntary Work Fair, or search the Careers Service’s job vacancy board for vacation work or internship opportunities.

Final year of your degree

**ARE YOU WORK READY?**
The Accomplish Award program aims to increase your employability skills and prepare you for the Australian workplace. A series of workshops develops your communication and networking skills while some internships are available for penultimate or final year students.

**DO YOU KNOW WHAT YOU NEED TO KNOW?**
UTS’s Aussie Rules half-day workshop provides international students with information on support services available at UTS, including language and study support as well as advice on adapting to the Australian workplace. Other sessions offered may include international student alumni panels and information from professional associations.

**LEADERSHIP MATERIAL**
Stand out from other graduates by sharpening your leadership skills. BUILD is a free program for all students, allowing you to develop your potential and broaden your horizons with access to local and international internship and volunteering opportunities.

**GET CONNECTED**
UTS has many extremely active alumni networks around the globe comprising recent and seasoned graduates. Explore the ‘networks’ on our Alumni website for the best ways to connect with these groups and to expand your professional network in Australia or off-shore.
SCHOLARSHIPS

UTS offers scholarships for international students, available university-wide or for study in particular faculties.

AUSTRALIA AWARDS SCHOLARSHIPS

Australia Awards scholarships have been established to promote education, cooperation and development in the Indo-Pacific region. Managed by the Australian Government’s Department of Foreign Affairs and Trade (DFAT), these scholarships help students gain tertiary qualifications that will allow them to contribute to the development needs of their home countries.

FACULTY-SPECIFIC SCHOLARSHIPS

Include:
> Engineering Achievement Scholarships/Awards
> Information Technology Achievement Scholarships/Awards
For further information on faculty-specific scholarships, refer to the faculty pages in this guide.

All scholarship applications are competitive. They are open to international students who meet the specific scholarship selection criteria and have received or are eligible to receive admission to a course at UTS.

UTS will be launching a new scholarships/grants program for students commencing study in 2016. For more information about all scholarships offered to international students at UTS, visit: www.uts.edu.au/international/scholarships

A number of countries also offer scholarships or sponsorship to their citizens who wish to study in Australia, including study abroad programs. Check with your home government to see if you are eligible for a scholarship or financial aid to support your studies at UTS. You can also visit our website (www.uts.edu.au/international/scholarships) for further information.

MAEVA AH YEN, SAMOA
Bachelor of Forensic Biology in Biomedical Science
Australia Awards Scholarship recipient

“This scholarship has given me the opportunity to come here and get a better education and do forensics. Also coming from a family that doesn’t have much money, being offered the scholarship has been a great help to my parents.

Coming here is one of the best experiences of my life. It’s really expanded my knowledge of the world and of people and understanding different people and culture, and taking all of that in. It’s been a great experience for me.”
FEEL AT HOME

The UTS Housing Service provides support for UTS students, including information and assistance on UTS residences and a range of private accommodation options.

UTS-OWNED ACCOMMODATION
UTS has five residences available to UTS students, all close to the City campus:
> Geegal is a purpose-built group of townhouses accommodating 57 students
> Bulga Ngurra is a modern apartment building accommodating 111 students
> Gumal Ngurang is a modern apartment building accommodating 252 students in studio, one-bedroom or shared apartments
> Blackfriars offers self-contained rooms for postgraduate research students, in a small heritage house
> Yura Mudang has 720 beds comprising studio and shared apartments.

All UTS residences have spacious communal and barbecue areas, study rooms, games and computer rooms. Yura Mudang also has a music room and Gumal Ngurang has a garden rooftop.

All UTS residences are self-catered, secure and competitively priced. All bedrooms are for one person (except twin share), with shared kitchens, bathrooms and living areas. Apartments are fully-furnished and rent includes gas, electricity, water bills, cabled internet in bedrooms and limited internet access in communal areas.

You will need to provide your own bed linen and cooking equipment. Rent fees are different for each residence, and there is a non-refundable application fee of A$35 (subject to change). For more information, please visit the Housing website:
www.housing.uts.edu.au

Due to the high level of accommodation requests, UTS Housing has sourced reserved beds for UTS students with off-campus providers (Urbanest and Iglu). For more information visit:
www.uts.edu.au/off-campus-accommodation

UTS Housing accommodates over 1140 students. This diverse community is made up of students from across Australia and around the world. The Residential Life program provides students with a dedicated support network that assists with the transition of living away from home, enhances learning and organises social activities.
RENTING PRIVATE ACCOMMODATION

Some international students plan to stay with relatives or friends in Sydney, and others rent private accommodation.

If you are organising private accommodation, we recommend you arrange short-term accommodation in Sydney so you can view properties on your arrival and choose something that really suits your needs for the long-term. Visit UTS Housing’s off-campus accommodation website, to find share rooms in private houses and apartments close to UTS campuses, visit www.uts.studystays.com.

Share accommodation means you usually have your own room and share a kitchen, living area and bathroom with other students or people who work. Alternatively, you may choose a studio or one-bedroom apartment to live in on your own, but this is more expensive.

All accommodation rentals come with a residential or tenancy agreement. If there are points you are unsure of, please contact the UTS Housing Off-Campus Officer (housing.welfare@uts.edu.au) or the UTS Student Legal Service (studentlegalservice@uts.edu.au) who are here to help you.

LIVING COSTS

The table on the next page details approximate establishment and ongoing costs you may incur while studying at UTS and living in Sydney. This table should be used only as a guide, as individual spending may vary. It is a requirement of the Australian government that prospective international students can demonstrate that they have access to at least A$18,610 a year to fund their living costs in Australia.

ESTABLISHMENT COSTS

You should expect to pay approximately A$4200 start up or establishment costs for independent accommodation. These costs include items such as a rental accommodation bond (four weeks’ rent), rent in advance, linen, furniture, telephone and internet connection, kitchenware, personal items and electricity connection, and must be budgeted for. With regards to UTS Housing, you will have to budget for the registration admin fee (A$35), the acceptance fee (A$120), the bond fee (A$850), two weeks rent in advance and any personal items you need to purchase.

ACCOMMODATION TIP

Don’t pay any money before viewing and being satisfied with a non-UTS property. Until you arrive and get a feel for the area you want to live in, you won’t know whether it is right for you.
“Living in Gumal has been a very pleasant experience. The building is a part of the quadrant complex in the heart of the city. Lively places such as Darling Harbour, Glebe and Newtown are just minutes away.

As a person who enjoys living in shared flats, Gumal was my first choice. It has all the modern facilities yet it retains that homely feeling. Furthermore, the Gumal rooftop is the perfect place to sit in the sun and get some reading done while barbecuing the sustainably grown vegetables from our rooftop garden.

Having been in Sydney for three years, I can safely say that it’s nearly impossible to find a place that offers such affordable rent while providing all these facilities.”

FAREED USMANI, PAKISTAN
Bachelor of Engineering (Electrical)
Choose practically relevant courses from a wide variety of specialisations. Students in the Bachelor of Business can choose from 11 different majors while students in the Bachelor of Management can choose between majors in Sport Business, Tourism Management or Event Management.

Broaden your specialisation by combining your Business degree with Biotechnology, Engineering, Medical Science, Information Technology, Law, Creative Intelligence and Innovation or International Studies.

Complete a capstone subject – students in each of our Bachelor of Business majors develop solutions to real business problems, in consultation with our industry partners.

Benefit from an active UTS Business Student Society which provides networking, social, academic and career activities.

UTS Business School is one of a select few business schools in the world accredited by AACSB International (Association to Advance Collegiate Schools of Business). This accreditation represents the highest standard of achievement for business schools worldwide. Our academics and students benefit from the recognition and connections of other AACSB accredited institutions.

IN 2014 UTS BUSINESS SCHOOL HAD:

- 6385 undergraduate coursework students
- 2130 international undergraduate coursework students
- 80 students go overseas on global exchange

Join a top-ranked program. UTS Business School is ranked in the top 100 for Accounting and Finance and top 150 for Economics in the 2014 QS World University Subject Rankings.

Enjoy 24-hour access to award winning learning facilities including group work rooms and individual study pods across our campus.

Industry placements – internship opportunities are available within the Bachelor of Business and Bachelor of Management.

KNOWLEDGE WITH IMPACT

www.business.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

LUKE HARTIN
Bachelor of Business
(Marketing and Management)
Retail Marketing Coordinator, Hyundai

“When I commenced my graduate role with Hyundai, I was confident UTS Business School had equipped me with the practical skills required for my new job from day one. The subjects I chose have proven to be extremely relevant to my day-to-day work. I started studying at the age of 24, which is a little later than the average student. I found the UTS: INSEARCH program to be a fantastic alternate pathway into uni. The INSEARCH courses were a good refresher of academic skills I hadn’t used for some time. UTS has given me some of the greatest memories of my life!”

SHIRLEY DONG
Bachelor of Business Bachelor of Laws

“UTS is a cultural melting pot. I’ve met many inspirational and unique students – personalities such as the Australian Youth Ambassador to the United Nations. I knew UTS was the ideal university for me after attending Open Day. Everyone I met at UTS was intelligent yet approachable. There is a real sense of camaraderie here. Being surrounded by capable and engaging peers, and learning from academics respected in their fields has enriched my experience and helped me excel – even in areas that I used to find intimidating.”
BACHELOR OF BUSINESS

COURSE DESCRIPTION
The Bachelor of Business offers students a sound background in all areas of business through common core subjects, in addition to in-depth knowledge in one or more chosen areas of interest.

This course provides an understanding of important aspects of business and offers a wide choice of majors and sub-majors. A wide variety of international exchange options are available.

AREAS OF STUDY
Accounting, economics, finance, financial services, human resource management, international business, management, marketing, integrating business perspectives, business statistics, managing people.

MAJORS
Accounting, economics, finance, financial services, human resource management, international business, management, marketing, marketing communication. As a second major only: business law, information technology.

COURSE STRUCTURE

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<thead>
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<th>Core subjects</th>
<th>List of sub-majors</th>
<th>Accountancy in Practice</th>
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<td>Accounting for Business Decisions A</td>
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<td>Fundamentals of Business Finance</td>
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<td>List of majors</td>
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<td>Business Law</td>
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<td>Marketing</td>
<td>Information Technology</td>
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<td>Language other than English</td>
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<tr>
<td>Management Consulting</td>
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</table>

PROFESSIONAL RECOGNITION
The Accounting major meets the educational membership requirements for CPA Australia, Institute of Chartered Accountants in Australia, Institute of Public Accountants and Chartered Institute of Management Accountants.

Students who complete the Human Resource Management major are eligible to apply for the professional member status and/or advancement to a higher level of membership of the Australian Human Resources Institute.

Students who complete a Marketing major are eligible to apply for Associate Membership of the Australian Marketing Institute.

The Bachelor of Business covers a broad range of the specialist knowledge areas required to be ASIC RG146 registered.

UTS is a CFA Institute University Program Partner based on the Bachelor of Business with a Finance major.

The Information Technology major meets the requirements for Associate grade membership of the Australian Computer Society.

CAREER OPPORTUNITIES
Career options include jobs in accounting, banking, economics, finance, financial services, human resource management, international business, management, marketing or marketing communication.
The Bachelor of Management

COURSE DESCRIPTION

With majors available in tourism, sport business and events, the UTS Bachelor of Management has been developed to reflect the growing importance of creative and experience-based industries in Australia’s economic future. These industries are at the forefront of a globalised, digitalised and dynamic external environment where innovation and creativity are key. Central to the degree is a practice-based program with built-in internships combining online and experiential learning with industry experience. The degree includes an option to study overseas for a semester at a UTS partner university in Asia, the Americas or Europe.

The Bachelor of Management provides an integrated exposure to professional practice through dynamic and multifaceted modes of practice-oriented education. Offshore partnerships with established UTS university partners are employed to allow students the option to engage with the UTS exchange program in their fourth semester. Offshore and onshore partnerships with industry link students with internships, industry projects, graduate employment, field visits and in-class case studies.

AREAS OF STUDY

Management, tourism, events, sport, management research skills, business strategy, scenario planning, innovation and entrepreneurship, event management, event sponsorship, promoting events, event and entertainment, tourism, sustainable tourism, current challenges in tourism, tourist experience, tourism promotion, sport, managing professional sport, international sport marketplace, current issues in sport, sport marketing.

MAJORS

Events, sport business, tourism.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

Courses code: C10342
CRICOS code: 084784A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$14,220 per semester (see page 136 for further fees information)
Academic and additional requirements: See page 130
English language requirements: See page 131

Note: The table is indicative only.

<table>
<thead>
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<th>OPTION 1</th>
<th>OPTION 2</th>
<th>OPTION 3</th>
<th>OPTION 4</th>
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<td>Extended Major (4 additional subjects) and 1 Sub-major (4 subjects)</td>
<td>Extended Major (4 additional subjects) and 4 Elective subjects</td>
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</tbody>
</table>

Note: Structure will differ from above sequence
### COURSE STRUCTURE

**Bachelor of Management (Events)**

**Year 1**
- Event and Entertainment Contexts
- Event Impacts and Legacies
- Marketing Foundations
- Managing People and Organisations
- Event Management
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Positioning and Promoting Events
- Event Sponsorship and Revenue
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Professional Internship
- Managing Human Resources
- Innovation Lab
- Law and Ethics for Managers

**Year 3**
- Servicescape Design
- Management Research Skills
- Select 12 credit points of options
- Economics for Business
- Event Creation Lab (Capstone)
- Select 12 credit points of options

**Bachelor of Management (Tourism)**

**Year 1**
- Tourism in a Global Context
- The Tourist Experience
- Marketing Foundations
- Managing People and Organisations
- Managing Tourism Sectors
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Reputation and Risk Management in Tourism
- Tourism Promotion and Distribution
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Professional Internship
- Managing Human Resources
- Innovation Lab
- The International Sport Marketplace
- Law and Ethics for Managers

**Year 3**
- Developing Sustainable Destinations
- Management Research Skills
- Select 12 credit points of options
- Economics for Business
- Current Challenges in Tourism (Capstone)
- Select 12 credit points of options

**Bachelor of Management (Sport) business**

**Year 1**
- Sport and Society
- Economics for Business
- Marketing Foundations
- Managing People and Organisations
- The Organisation of Australian Sport
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Managing Professional Sport
- Olympic Games and Sport Mega-Events
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Managing Human Resources
- Innovation Lab
- The International Sport Marketplace
- Law and Ethics for Managers

**Year 3**
- Management Research Skills
- Professional Internship
- Select 12 credit points of options
- Economics for Business
- Current Issues in Sport Business (Capstone)
- Select 12 credit points of options

**Bachelor of Management (Events) with global exchange**

**Year 1**
- Event and Entertainment Contexts
- Event Impacts and Legacies
- Marketing Foundations
- Managing People and Organisations
- Event Management
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Positioning and Promoting Events
- Event Sponsorship and Revenue
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Select 24 credit points of options

**Year 3**
- Professional Internship
- Innovation Lab
- Servicescape Design
- Management Research Skills
- Managing Human Resources
- Law and Ethics for Managers
- Economics for Business
- Event Creation Lab (Capstone)

**Bachelor of Management (Tourism) with global exchange**

**Year 1**
- Tourism in a Global Context
- The Tourist Experience
- Marketing Foundations
- Managing People and Organisations
- Managing Tourism Sectors
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Reputation and Risk Management in Tourism
- Tourism Promotion and Distribution
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Select 24 credit points of options

**Year 3**
- Professional Internship
- Innovation Lab
- Developing Sustainable Destinations
- Management Research Skills
- Managing Human Resources
- Law and Ethics for Managers
- Economics for Business
- Current Challenges in Tourism (Capstone)

**Bachelor of Management (Sport) business with global exchange**

**Year 1**
- Sport and Society
- Economics for Business
- Marketing Foundations
- Managing People and Organisations
- The Organisation of Australian Sport
- Accounting Skills for Managers
- Socio-political Context of Management
- Career Design Workshop

**Year 2**
- Managing Professional Sport
- Olympic Games and Sport Mega-Events
- Innovation and Entrepreneurship
- Business Strategy and Scenario Planning
- Select 24 credit points of options

**Year 3**
- Managing Human Resources
- Innovation Lab
- Management Research Skills
- Professional Internship
- The International Sport Marketplace
- Law and Ethics for Managers
- Sport Marketing and Media
- Current Issues in Sport Business (Capstone)
The Bachelor of Management structure

<table>
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<tr>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>Major Subject 3</td>
<td>Professional Internship</td>
<td>Elective</td>
</tr>
</tbody>
</table>

CAREER OPPORTUNITIES

Career options include event management, festival management, event coordination, event tourism planning, destination management, destination marketing, conference organiser, meetings planner, business event manager, wedding planner, entertainment venue management, tourism management, travel consultant, travel management, corporate travel management, recreation planning, social media management, event marketing, tourism marketing, sport marketing, sport management, sport venue management, sport event management, sport event tourism management, sports agent, sports administrator, player manager, sponsorship manager, player relations manager.

Business design and innovation skills provide graduates with an edge in their chosen field of study, maximising their potential for employment.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
HONOURS DEGREES

Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
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COMBINED DEGREES

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<td>8</td>
<td>A$15,330</td>
<td>March, July #</td>
<td>City</td>
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* 8 semesters and 6 intensive summer/winter sessions
# mid-year (July) intake may be considered on a case-by-case basis by Faculty
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
Join a top-ranked program. In the 2014 QS World University Subject Rankings, UTS: Communication was ranked in the top 100 for Communication and Media Studies.

Choose a program that produces sought-after graduates. Our graduates work in media organisations, publishing houses, production companies, community groups, businesses and consultancies around the world. UTS: Communication graduates are also regularly chosen for positions in Australia’s leading media organisations.

Engage in practical experience. UTS: Communication courses include real-world case studies, work placements and internship opportunities offering you the chance to develop your portfolio and practical skills.

Learn from industry leaders. Our academics are recognised and respected practitioners and their expertise and connection with professional networks provides up-to-date knowledge and access to guest lecturers.

Explore emerging fields and engage with innovation through groundbreaking courses. Our Digital and Social Media degree develops digital communications practitioners who can produce high quality outcomes in complex collaborative digital environments. Our Bachelor of Sound and Music Design prepares you for new and emerging careers that require the confluence of sound in design and interaction.

Join a program that promotes success. UTS: Communication students and graduates regularly win national and international awards for journalism and film making, including The Walkley Foundation Media Super Student Journalist of the Year Award (Australia’s pre-eminent Journalism award), Tropfest, and the Berlin Film Festival and feature in Sundance, Cannes, the Times BFI London Film Festival and the Sydney Film Festival.

Gain a practice-orientated and career-relevant education. Student work is regularly featured in UTS video, radio, online and print publications such as the annual UTS Writers’ Anthology, Precinct, Reportage and 2SER radio, as well as in mainstream and specialist media outlets.

Access high tech production facilities including state-of-the-art sound facilities, journalism workroom, portable equipment store, a large multipurpose studio for performance and media arts production, and multimedia and multi-platform computer labs.
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

THOMAS GRAINGER
Bachelor of Arts in Communication (Media Arts and Production) and Bachelor of Arts in International Studies (Germany)

“This degree has provided an exciting gateway into preparing me for an international career in film production. The contemporary and interactive approach to both courses was excellent in developing a range of analytical and practical skills which could be applied not only within the Australian industry but also abroad. Learning a foreign language was paramount to gaining entry into overseas film festivals and networking with respected German filmmakers. UTS gave me the insight that I could not have gained on my own.”

GILLIAN LEAHY
Associate Professor, Media Arts and Production

“There are no work坊 lectures in the UTS Media Arts and Production (MAP) courses. Teachers are both experienced industry practitioners while at the same time being academics with strong research and theoretical backgrounds. UTS has up-to-date facilities, lights and all the accessories needed to make video and other media works in High Definition. Students not only make media projects for their MAP subjects, but because there is a lively culture of students making productions all the time, it is easy to get experience working on fellow students’ projects as well.

Students have produced works that have won many prizes and been to international film festivals and forums. Our graduates are working all over the world, in TV stations, as feature and television producers and directors, editors, cinematographers and sound designers, artists and in government media policy and funding organisations.”
BACHELOR OF ARTS IN COMMUNICATION (CREATIVE WRITING)

COURSE DESCRIPTION
Creative writing at UTS is a practice- and disciplinary-based program focusing on narrative, poetics, reading and literary theory. This degree develops creative writing across several genres, fosters independent and professional writing skills via workshop and lecture study, and engages critically with the broader cultural context in which creative writing is produced and read.

Students gain practical experience and theoretical engagement in the discipline of contemporary creative writing. They apply their skills across a number of key genres and narrative forms. An emphasis on critical skills leading towards the development of independent writing projects prepares students for professional practice.

AREAS OF STUDY
Creative writing, creative non-fiction writing, critical analysis, genre writing, narrative, poetry, screen writing, textual theory.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following: Understanding Communication Language and Discourse Fictional Forms Ideas in History Select one of the following: Language and Discourse Understanding Communication Imagining the Real Select 8 credit points from the following: Sub-major choice</td>
<td>Communication and Cultural Industries and Practices Narrative and Theory Select 8 credit points from the following: Sub-major choice Electives</td>
<td>Writing Laboratory Select 16 credit points from the following: Sub-major choice Electives Communication Practice Project Creative Writing Project Select 8 credit points from the following: Sub-major choice Electives</td>
</tr>
<tr>
<td></td>
<td>Select 8 credit points from the following: Sub-major choice</td>
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</tbody>
</table>

CAREER OPPORTUNITIES
Career options include editors, publishers, scriptwriters, literary agents, communication coordinators, arts and cultural administrators, copywriters, novelists, feature writers, publications officers, freelance writers, book marketing coordinators.
**BACHELOR OF ARTS IN COMMUNICATION (DIGITAL AND SOCIAL MEDIA)**

**COURSE DESCRIPTION**
The rapidly evolving digital communications industries require practitioners who are technologically literate, culturally sophisticated, innovative and resourceful. This degree develops imaginative, synthetic and analytical capacities, as well as practical skills across diverse technological platforms.

Studies focus on capacities for imaginative, synthetic and analytical thinking and communication, as well as practical skills in digital communication across diverse technological platforms and environments. Graduates are technologically literate, analytically sophisticated, innovative and resourceful leaders for the rapidly evolving digital communications industries.

**AREAS OF STUDY**
Creative information design, digital communities, digital technologies, platforms and futures, gamification, media writing and production, multimodal communication, representing complexity, social media engagement.

**COURSE STRUCTURE**

**Year 1**
Select one of the following:
- Understanding Communication
- Language and Discourse
- User Experience Design
- Ideas in History
Select one of the following:
- Language and Discourse
- Understanding Communication
- Engagement, Participation, Gamification
Select 8 credit points from the following:
- Sub-major choice

**Year 2**
Communication and Cultural Industries and Practices
Digital Communities
Select 8 credit points from the following:
- Sub-major choice
- Electives
Regulating Communication: Law, Ethics, Politics
Media Writing and Production
Select 8 credit points from the following:
- Sub-major choice
- Electives

**Year 3**
Representing Complexity
Select 16 credit points from the following:
- Sub-major choice
- Electives
Communication Practice Project
Digital Futures
Select 8 credit points from the following:
- Sub-major choice
- Electives

**CAREER OPPORTUNITIES**
Career options include digital and social media coordinator, communications officer, digital channels strategist, social media manager.

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The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
**BACHELOR OF ARTS IN COMMUNICATION (JOURNALISM)**

**COURSE DESCRIPTION**

Journalism education at UTS is based on the principle that professional journalism is founded on the public’s right to know. This degree develops professional skills across all media and critically engages with the intellectual, ethical and political foundations of journalism.

This course is designed to meet the essential practical skills and theoretical knowledge needed for a career in journalism. Students gain a crucial understanding of the role that journalists play in creating a democratic public sphere, providing a forum for debate and giving voice to diverse communities. The course equips students with advanced research, writing, reporting and analytical skills for print, television, video, radio, audio and online media; and knowledge of the intellectual, ethical and political foundations of journalism.

**AREAS OF STUDY**

Ethical practice, reporting with sound and image, reporting and editing for print and online, storytelling, narrative and features, specialist reporting, audiences and interactivity.

**MAJORS**

Journalism

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following: Understanding Communication Language and Discourse Introduction to Journalism Ideas in History Select one of the following: Language and Discourse Understanding Communication Reporting with Sound and Image Select 8 credit points from the following: Sub-major choice</td>
<td>Communication and Cultural Industries and Practices Reporting and Editing for Print and Online Journalism Select 8 credit points from the following: Sub-major choice Electives Regulating Communication: Law, Ethics, Politics Storytelling, Narrative and Features Select 8 credit points from the following: Sub-major choice Electives</td>
<td>Specialist Reporting, Audiences and Interactivity Select 16 credit points from the following: Sub-major choice Electives Communication Practice Project Media Hub Select 8 credit points from the following: Sub-major choice Electives</td>
</tr>
</tbody>
</table>

**CAREER OPPORTUNITIES**

Career options include reporters, producers, publishers, editors, sub-editors, feature and freelance journalists, investigative journalists, media researchers, and strategists in the print, broadcast and online media.
CHAPTER 1: COMMUNICATION

INTRODUCTION TO COMMUNICATION

- The importance of communication in various contexts
- The role of communication in society
- The evolution of communication over time

CHAPTER 2: COMMUNICATION PROCESSES

- The communication process model
- Encoding and decoding
- Channel selection

CHAPTER 3: COMMUNICATION THEORIES

- Social exchange theory
- Uses and gratifications theory
- Social identity theory

CHAPTER 4: COMMUNICATION IN SOCIETY

- Mass communication and its impact
- Digital communication and its implications
- Communication in multicultural societies

CHAPTER 5: COMMUNICATION IN BUSINESS

- Business communication strategies
- Effective communication in management
- Cross-cultural communication in the workplace

CHAPTER 6: COMMUNICATION IN EDUCATION

- Communication in educational settings
- Teaching and learning through communication
- Developing communication skills in students

CHAPTER 7: COMMUNICATION IN HEALTHCARE

- Communication in healthcare settings
- Patient-provider communication
- E-health and communication

CHAPTER 8: COMMUNICATION IN RESEARCH

- Communication in scientific research
- Publication and dissemination of research results
- Collaboration and communication in multidisciplinary teams

APPENDIX A: COMMUNICATION TOOLS

- The use of various tools in communication
- Software and applications for communication

APPENDIX B: COMMUNICATION PRACTICES

- Best practices in communication
- Training and development in communication skills
- Assessment and evaluation of communication effectiveness

APPENDIX C: COMMUNICATION CASE STUDIES

- Real-world case studies in communication
- Analysis of successful and unsuccessful communication practices
- Strategies for improving communication in specific contexts

APPENDIX D: COMMUNICATION REFERENCES

- Key resources and sources for further reading
- Scholarly articles and books on communication
- Websites and online resources for communication

ACKNOWLEDGEMENTS

- Acknowledgment of contributors and sources
- Gratitude to all those who have assisted in the development of this textbook

INDEX

- A comprehensive index of topics, terms, and concepts covered in the book

ABOUT THE AUTHOR

- Bio and contact information for the author
- Experience and expertise in the field of communication

The textbook provides a comprehensive overview of communication, covering various perspectives and contexts, to enable readers to understand and apply communication principles effectively in diverse situations.
COURSE STRUCTURE

Public Relations stream

Year 1
Select one of the following:
- Understanding Communication
- Language and Discourse
- The Ecology of Public Communication
- Ideas in History
Select one of the following:
- Language and Discourse
- Understanding Communication
- Principles of Public Relations
Select 8 credit points from the following:
- Sub-major choice

Year 2
Communication and Cultural Industries and Practices
Strategic Public Relations
Select 8 credit points from the following:
- Sub-major choice
- Electives
Regulating Communication: Law, Ethics, Politics
Media Writing and Production
Select 8 credit points from the following:
- Sub-major choice
- Electives

Year 3
Select 16 credit points from the following:
- Sub-major choice
- Electives
Organisational Communication
Communication Practice Project
Select 8 credit points from the following:
- Sub-major choice
- Electives
Integrated Communication

Advertising stream

Year 1
Select one of the following:
- Understanding Communication
- Language and Discourse
- The Ecology of Public Communication
- Ideas in History
Select one of the following:
- Language and Discourse
- Understanding Communication
- Principles of Advertising
Select 8 credit points from the following:
- Sub-major choice

Year 2
Communication and Cultural Industries and Practices
Advertising Campaign Practice
Select 8 credit points from the following:
- Sub-major choice
- Electives
Regulating Communication: Law, Ethics, Politics
Brand Advertising Strategies
Select 8 credit points from the following:
- Sub-major choice
- Electives

Year 3
Professional Advertising Practice
Select 16 credit points from the following:
- Sub-major choice
- Electives
Integrated Communication
Communication Practice Project
Select 8 credit points from the following:
- Sub-major choice
- Electives

PROFESSIONAL RECOGNITION

This course has professional recognition from the Public Relations Institute of Australia and the International Advertising Association.

- Students wishing to be eligible for professional membership of Public Relations Institute of Australia must successfully complete the two core subjects in MAJ10024 Public Communication and choose STM90716 Public Relations stream (four subjects) as their option.
- Students wishing to be eligible for professional membership of the International Advertising Association must successfully complete the four subjects in STM90715 Advertising stream and in addition 58117 Principles of Public Relations.

CAREER OPPORTUNITIES

Career options include advertising account executives, advertising copywriters, communication strategists, community relations managers, marketing communication specialists, media liaison officers, media researchers, political media advisers, public relations consultants, publicity officers and special events coordinators.

BACHELOR OF ARTS IN COMMUNICATION (SOCIAL INQUIRY)

COURSE DESCRIPTION

Social inquiry is where social and political theory and practices of research and communication converge. This cross-disciplinary course investigates society, explores current issues, and questions implications of change and progress in the global community. Students undertake professional studies as well as social, cultural and communication theory and practice so they can ask questions, research issues, develop advocacy skills and effectively develop communication strategies.

This is a cross-disciplinary course in which students combine social, political, historical and philosophical perspectives on what makes us members of society. Is change good, bad or both? Students learn how to understand social issues and how to think through ways of making a difference; how to research, communicate and plan contributions to national and international debates. The course equips students with the knowledge and skills to be involved in diverse organisations that want to make changes.

AREAS OF STUDY

Sociological and political theory, society, economy and globalisation, ideology, beliefs and visions, social change communication.

MAJORS

Social inquiry
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each. Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

**COURSE STRUCTURE**

### Year 1
Select one of the following:
- Understanding Communication
- Language and Discourse
- Introduction to Social Inquiry
- Ideas in History
Select one of the following:
- Language and Discourse
- Understanding Communication
- Local Transformations
Select 8 credit points from the following:
- Sub-major choice

### Year 2
- Communication and Cultural Industries and Practices
- Society, Economy and Globalisation
 Select 8 credit points from the following:
- Sub-major choice
- Electives
- Regulating Communication: Law, Ethics, Politics
- Ideology, Beliefs and Visions
 Select 8 credit points from the following:
- Sub-major choice
- Electives

### Year 3
- Policy and Advocacy
 Select 16 credit points from the following:
- Sub-major choice
- Electives
- Communication Practice Project
- Social Inquiry Placement
 Select 8 credit points from the following:
- Sub-major choice
- Electives

**CAREER OPPORTUNITIES**

Career options include community development workers, community project managers, international aid workers, local and community historians, media researchers, policy analysts, policy officers, political advisers, politicians, social researchers, trade union officials, social welfare officers, and change agents in a range of social, cultural, historical and political arenas.

**BACHELOR OF SOUND AND MUSIC DESIGN**

**COURSE DESCRIPTION**

This course is the first of its kind in Australia to combine the domains of sound and music, and prepare students for new emerging domains that require the confluence of sound in design and interaction.

The course appeals to students with an interest in music, sound design, creative arts, design and technology, or interactive multimedia. It converges creative practice and innovative design solution through music and sound. It offers a unique, contemporary sound and music degree experience by merging art and technology across domains of composition, entertainment and audio technology, as well as combining features of music and audio engineering with interaction design. By the time of graduation, students should have a professional portfolio of creative music and sound design work.

**AREAS OF STUDY**

Audio culture, electronic music composition, sound design, audio production, sonology, research and practice.

**SUB-MAJORS**

Composition, interaction design.

**COURSE STRUCTURE**

### Year 1
Select 8 credit points from the following:
- Understanding Communication
- Language and Discourse
- Audio Culture
- Ideas in History
Select 8 credit points from the following:
- Understanding Communication
- Language and Discourse
- Electronic Music Composition
Select 8 credit points from the following:
- Sub-major choice

### Year 2
- Speech, Music, Sound
- Live Sound
 Select 8 credit points from the following:
- Sub-major choice
- Electives
- Audio Production
- Sonology
 Select 8 credit points from the following:
- Sub-major choice
- Electives

### Year 3
- Sound for Time-based Media
- Research and Practice
 Select 8 credit points from the following:
- Sub-major choice
- Electives
- Media Arts Project
 Select 16 credit points from the following:
- Sub-major choice
- Electives

**CAREER OPPORTUNITIES**

Career options include working in sound design and production across a diverse range of media, communication and design outlets including music, film, animation, web, gaming, interactive digital media, exhibition design and architecture.

Other career options include electronic music composers, computer musicians, sound designers, music producers, new media artists, interactive media designers, digital musical interface designers, and installation artists/sound sculptors.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
UTS: Communication

SUB-MAJORS – BACHELOR OF ARTS IN COMMUNICATION (ALL MAJORS)

Three related subjects in one of the following areas:

Aboriginal Studies
- Balancing World Views: Introduction to Aboriginal Cultures
- Australian Aboriginal Politics and History
- Indigenous Futures

Bodies, Genders, Rights
- Social Bodies
- Gender, Culture, Power
- Rights and Territories

Environmental Studies
- Climate Change: Politics and Ecology
- The New Economy of Post-Nature
- Culture, Science and Nature

Media Studies
- Media, Mediation, Power
- Investigating Media, Reflective Practices
- Audiences, Users, Publics, Communities

Reading Australia
- Australian Pasts and Places
- Australian Fiction
- Australian Film

Screen Studies
- Introduction to Film Studies
- Screening the Past
- Contemporary World Cinema

Transnational Studies
- Global Politics from Above and Below
- Sex, Race and Empire
- Transnational Media

HONOURS DEGREES

Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
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<td>2</td>
<td>A$12,270</td>
<td>March</td>
<td>City</td>
<td>017874K</td>
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</table>

COMBINED DEGREES

All UTS: Communication courses can be combined with International Studies. All UTS: Communication courses, except the Bachelor of Sound and Music Design can be combined with Law. The duration of these combined courses is 5 years.

Some UTS: Communication courses can be combined with the Bachelor of Creative Intelligence and Innovation. The duration of these combined courses is 4 years.*

Refer to pages 49, 102, 107 for more information.

* 8 semesters and 6 intensive summer/winter sessions
* Bachelor of Arts (Honours) in Communication applicants must complete an information pack and submit a supplementary form before their application can be assessed by the faculty.
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
Advance your career opportunities and give your professional degree a leading edge with the Bachelor of Creative Intelligence and Innovation. This degree is offered as a combined degree with 17 degrees across business, communication, design, science, engineering, health, information technology and law.

Engage in a trans-disciplinary approach to learning, and develop new forms of thinking by collaborating with students and staff from diverse study areas such as business, journalism, engineering, architecture and more.

Develop the knowledge and skills to think creatively and critically, to take risks and identify and develop solutions to some of the most complex problems of today’s world.

Challenge yourself with real-world projects from day one, and connect with industry leaders through networking events.

Gain practical experience with internship opportunities available in the final year of study.

Maximise the potential of your chosen profession, to become an individual creative thinker, communicator and team player.

Equip yourself with a unique skill-set, and develop your ability to change existing industries and practices, create new industries and form start-ups or build your own professional career.

Complete an accelerated learning program, where subjects are undertaken during Winter and Summer School, which includes 2–3 weeks between each semester, and one year of full-time study at the end of your professional degree.

Designed for radical thinkers and high-performing students, this course will test and push the boundaries of creative practice and design-led innovation.

“The BCII is for students who dream of a university education that’s profoundly transformational. For those curious, creative and spirited students who believe that they can make a difference, and want a grounding in the practices and methods that are transforming the workforce of tomorrow so that they can be at the forefront of those changes.”

Associate Professor Bem Le Hunte
Course Director – Bachelor of Creative Intelligence and Innovation
NATALIE CLANCY
Bachelor of Arts in Communication (Journalism)/Bachelor of Creative Intelligence and Innovation

“I’ve really enjoyed learning about unconventional and creative ways to solve problems. I enjoy the challenges of the course, and the opportunity to meet students and industry representatives from various disciplines.

The interaction with students from so many disciplines takes teamwork to a whole new level. We learn so much from each other, because every student brings a different skill-set to the table. I think the wide range of disciplines strengthens the course, because we develop skills and interests in many areas, not just in the area of our core degree.

The teamwork and networking skills that are central to the course will be an advantage when we’re looking for employment.”

ASSOCIATE PROFESSOR LOUISE MCWHINNIE
Head of Department: Creative Intelligence and Innovation
Associate Dean: Teaching & Learning.
Faculty of Design, Architecture & Building

“This degree encapsulates all that UTS plans to be: a university of technology, underpinned by creativity and innovation across all faculties, where graduates have a reputation for thinking beyond their discipline, driving cross-disciplinary, industry and social change.

I expect graduates to go out and define their own and new jobs of the future. This is why the course encompasses high-level critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, leading-edge capabilities that are highly valued in the globalised world.”

All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).
# COMBINED DEGREES WITH THE BACHELOR OF CREATIVE INTELLIGENCE AND INNOVATION

## COURSE DESCRIPTION

Taking a trans-disciplinary approach, the Bachelor of Creative Intelligence and Innovation utilises multiple perspectives from diverse fields, integrating a range of industry experiences, real-world projects and self-initiated proposals, equipping graduates to address the wicked problems, complex challenges and untapped opportunities in today’s world. This course can be combined with 18 bachelor’s degrees.

By focusing on the high-level conceptual thinking and problem-solving practices that lead to the development of innovative, creative and entrepreneurial outcomes, students of the combined degree also gain leading edge capabilities that are highly valued in the globalised world, including dealing with critical and creative thinking, invention, complexity, innovation, future scenario building and entrepreneurship, and the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly accelerating world of change.

## COURSE STRUCTURE

Students must complete 240 credit points, comprising 144 credit points in the professional degree component and 96 credit points in creative intelligence and innovation. The creative intelligence and innovation subjects are undertaken in accelerated form within July and December/January (Summer) sessions during the first three years of study, and through one full year of study after completion of the professional degree. The Bachelor of Creative Intelligence and Innovation is not offered as a separate degree, but is completed only in combination with the professional degree program.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
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<tbody>
<tr>
<td>Professional degree subjects</td>
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<td>Summer session (December)</td>
</tr>
<tr>
<td>Mid-year session (July)</td>
<td>Proven, Possibilities</td>
<td>Creative Practice and Methods</td>
<td>Initiatives and Entrepreneurship</td>
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<td>Problems to Possibilities</td>
<td>Summer session (December)</td>
<td>Creativity and Complexity</td>
<td>Autumn semester (March)</td>
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<td></td>
<td>Creative Practice and Methods</td>
<td></td>
<td>Envisioning Futures</td>
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<td></td>
<td>Mid-year session (July)</td>
<td>Mid-year session (July)</td>
<td>Innovation Capstone: Research and Development</td>
</tr>
<tr>
<td></td>
<td>Past, Present, Future of Innovation</td>
<td>Leading Innovation</td>
<td>Select one of the following:</td>
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<tr>
<td></td>
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<td>Innovation Internship A</td>
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<td>Speculative Start-Up</td>
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<td>Professional Practice at the Cutting Edge</td>
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<td>Innovation Internship B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Innovation Capstone: Realisation and Transformation</td>
</tr>
</tbody>
</table>

## INDUSTRIAL TRAINING/PROFESSIONAL PRACTICE

Within the final year of the Bachelor of Creative Intelligence and Innovation, students can undertake between 6 and 12 credit points of internship (work experience) that relates to innovation within their research, career development, or core degree specialisations. For students undertaking 12 credit points of internship, international internships may be negotiated.

## CAREER OPTIONS

By being creative thinkers, initiators of new ideas, scenario planners, global strategists, open network designers or sustainable futures innovators within their chosen field of study, graduates maximise the potential of their chosen profession, making them highly sought after graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

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<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10337</td>
<td>Bachelor of Arts in Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$15,030</td>
<td>March</td>
<td>City</td>
<td>079767M</td>
</tr>
<tr>
<td>C10335</td>
<td>Bachelor of Arts in Communication (Journalism) Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$15,030</td>
<td>March</td>
<td>City</td>
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<tr>
<td>C10332</td>
<td>Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation</td>
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<tr>
<td>C10333</td>
<td>Bachelor of Arts in Communication (Public Communication) Bachelor of Creative Intelligence and Innovation</td>
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<tr>
<td>C10334</td>
<td>Bachelor of Arts in Communication (Social Inquiry) Bachelor of Creative Intelligence and Innovation</td>
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<tr>
<td>C10326</td>
<td>Bachelor of Business Bachelor of Creative Intelligence and Innovation</td>
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<tr>
<td>C10325</td>
<td>Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation</td>
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</tr>
<tr>
<td>C10321</td>
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<td>8*</td>
<td>A$14,770</td>
<td>March</td>
<td>City</td>
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<tr>
<td>C10323</td>
<td>Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$14,770</td>
<td>March</td>
<td>City</td>
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<tr>
<td>C10322</td>
<td>Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$14,770</td>
<td>March</td>
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<tr>
<td>C10324</td>
<td>Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation</td>
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<td>C09076</td>
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<tr>
<td>C10338</td>
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<tr>
<td>C10330</td>
<td>Bachelor of Science Bachelor of Creative Intelligence and Innovation</td>
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<td>A$16,270</td>
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<td>079759M</td>
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<tr>
<td>C10327</td>
<td>Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$15,940</td>
<td>March</td>
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<tr>
<td>C10328</td>
<td>Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$13,420</td>
<td>March</td>
<td>City</td>
<td>079758A</td>
</tr>
</tbody>
</table>

* 8 semesters and 6 intensive summer/winter sessions
* 10 semesters and 6 intensive summer/winter sessions

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**UTS: DESIGN, ARCHITECTURE AND BUILDING**

animation • architecture • construction project management • design • fashion and textiles • photography • property economics • visual communication

> **Earn an industry-relevant education.** UTS: DAB courses are regularly reviewed by industry advisory committees to ensure content is relevant to today’s professional workforce.

> **Gain practical experience through our strong industry links.** High achieving architecture students have undertaken internships with Gehry Partners in the USA; while recent fashion alumni have gone on to work for international fashion houses such as Alexander McQueen, Helmut Lang and Kenzo.

> **Acquire insight into industry practice** through guest lecturers and industry speakers on campus. Many of our lecturers are also leaders in their field, so you’ll get the most relevant and up-to-date teaching.

> **Benefit from cutting-edge facilities,** including award-winning computer labs, and studio spaces for photomedia, textiles, fabrication, as well as a digital workshop. Animation students can also utilise our Motion Capture Laboratory, the same world-class system used by leading animation companies around the world.

> **Join a creative environment that stimulates student success.** UTS: DAB students regularly win awards and recognition in prestigious industry competitions including the Australian Textiles Institute Student Design Awards; the Australian Graphic Design Awards; the Australian Institute of Architects NSW Student Awards and QANTAS Spirit of Youth Awards.

> **Attain a global perspective.** Volunteer to work on construction projects in disadvantaged communities in Cambodia, Thailand, Fiji and remote central Australia through the subject, Construction for Developing Communities.

> **Learn on the world stage with Global Studios.** In previous years, students across most degrees have travelled to places as diverse as Beirut, Paris, Los Angeles, Barcelona and New York. These study tours ensure students engage with international best practice and increase their cross-cultural knowledge.

**IN 2014 UTS: DAB HAD:**

- **2960** undergraduate coursework students
- **385** international undergraduate coursework students
- **50** students go overseas on global exchange
“The degree is structured so you can choose your own medium in some of the studio projects. The labs are equipped with everything software-wise that we’d want to use, and can check out camera equipment so that we can film. We also have a weekly guest lecture series – some industry people from local Australian studios and international people too. In my course we also do a lot of outside projects. My teachers have allowed us to do so much – we do exhibitions all the time, we’ve done live performances with musicians and they helped me to get a job directing a music video for Australian artist Reg Mombassa last year. Now we’re pitching kids’ shows to a big animation studio here in Sydney.”
BACHELOR OF CONSTRUCTION PROJECT MANAGEMENT

COURSE DESCRIPTION

Widely regarded as one of the most respected courses within the industry, the Bachelor of Construction Project Management provides a comprehensive construction education. This unique degree provides graduates with the broader skills and knowledge base required to meet the changing demands of the construction, infrastructure and related industries.

This course puts students at the forefront of contemporary industry practice as they deal with real-life examples and case studies that facilitate the application of theory in a way that is practical and relevant.

Graduates are renowned among employers for their practical knowledge and professional skills.

The course satisfies all the main accreditation requirements for the disciplines of construction management and quantity surveying. Students can also study sub-majors in areas of particular interest. Examples include sub-majors in environmental studies and architectural studies. The course also provides skills and knowledge that can be applied in other industries such as mining, petrochemicals and infrastructure development.

The course offers a unique blend of theory and practice that incorporates concurrent industrial experience with the end result being that students graduate as highly skilled and sought-after professionals.

AREAS OF STUDY

Project management, sustainable development, construction site management, time/cost/quality management, risk and safety management, contract management, design management, business management, quantity surveying, building surveying, law, economics, construction technology, structures, services, estimating, cost planning and professional practice.

SUB/MAJORS

Project management (construction finance/economics, architectural studies).

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to the Built Environment</td>
<td>Structures</td>
<td>Risk and Safety Management</td>
<td>Property Accounting and Financial Management</td>
</tr>
<tr>
<td>Construction Technology 1</td>
<td>Site Establishment</td>
<td>Design Team Management</td>
<td>Cost Management 4: Advanced</td>
</tr>
<tr>
<td>Built Environment Law and Ethics</td>
<td>Digital Design and Construction 1</td>
<td>Select 6 credit points of electives</td>
<td>Cost Management</td>
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<tr>
<td>Digital Built Environment</td>
<td>Cost Management 1: Measurement</td>
<td>Procurement and Contract Management</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>Materials Science</td>
<td>Construction Technology 3</td>
<td>Construction Technology 4</td>
<td>Human Resources and Communications Practice</td>
</tr>
<tr>
<td>Sustainable Urban Design and Development</td>
<td>Time and Quality Management</td>
<td>Cost Management 3: Cost Planning</td>
<td>Professional Practice</td>
</tr>
<tr>
<td>Construction Technology 2</td>
<td>Integrated Services</td>
<td>Select 6 credit points of electives</td>
<td>Project Management Integration</td>
</tr>
</tbody>
</table>

PROFESSIONAL RECOGNITION

Royal Institution of Chartered Surveyors (RICS); Australian Institute of Quantity Surveyors (AIQS); Australian Institute of Building (AIB); Chartered Institute of Building (CIOB)

CAREER OPPORTUNITIES

Career opportunities for graduates include project manager, construction manager, construction economist, quantity surveyor, design manager, environmental manager, contract manager, site manager, construction programmer, cost engineer, estimator, facility manager and property developer.

Graduates have a wide range of employment opportunities and can work in both the private and public sectors for employers such as building proprietors, contractors, developers, government bodies and consultancy practices or be self-employed entrepreneurs. As key professionals in the construction industry, graduates work closely with other professional disciplines, industry groups and development authorities.
BACHELOR OF DESIGN IN ANIMATION

**COURSE DESCRIPTION**

This course offers a practice-based approach to learning animation and places strong emphasis on two key concepts: dramatisation (including performance and character) and VFX (visual effects) design. It teaches students how to conceptualise, visualise and realise animation across many different types of media. Central to the course is the development of a conceptual understanding of performance, narrative, characterisation, form, motion, time, space and aesthetics.

The course has a strong emphasis on drawing and image-making, dramatisation, physical movement and expression, teaching a full range of animation techniques and skills in state-of-the-art facilities.

Through a variety of industry-focused projects, interdisciplinary subjects and international studios, students develop the creativity, flexibility and confidence to work in the diverse environments of contemporary practice.

The course focuses on a set of animation studios that concentrate on creative problem solving. These animation studios encourage a high level of conceptual thinking in a hands-on intensive environment. Students learn the fundamentals of animation and explore in-depth narrative and characterisation. By learning through a variety of industry collaborations, field trips, studios and electives, students graduate with the creativity, flexibility and confidence to work in the diverse, contemporary animation industry.

**AREAS OF STUDY**

2D animation, 3D computer animation, character design, storyboarding, script writing and narrative, visual effects and design history.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Context: 2D Animation Introduction</td>
<td>Context: 3D Modelling and Rigging Introduction</td>
<td>Animation Studio: Animation Practice</td>
</tr>
<tr>
<td>Design Thinking</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>Animation Studio: Foundations in Animation Design</td>
<td>3D Modelling and Rigging Advanced</td>
<td>Context: Experiments for Animation and VFX</td>
</tr>
<tr>
<td>Context: 3D Animation Introduction</td>
<td>Animation Studio: Narrative Experiments</td>
<td>Animation Studio: Animation Industry Project</td>
</tr>
<tr>
<td>Researching Design History</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
</tbody>
</table>

**CAREER OPPORTUNITIES**

This industry-focused course opens up animation careers in film, television, and multimedia. Career options include director, animator, scriptwriter, concept artist, character designer, storyboard artist, producer, modeller, rigger, VFX artist, editor or compositor.

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**BACHELOR OF DESIGN IN ARCHITECTURE**

**COURSE DESCRIPTION**

The Bachelor of Design in Architecture is the first of two degrees needed to become an architect. Students wishing to qualify for professional recognition as architects must also complete the Master of Architecture (C04235). UTS architecture courses provide the skills and knowledge necessary to practise in the architectural profession and to be a future leader in the design of the built environment.

The Bachelor of Design in Architecture provides students with a rich education oriented towards international practice and design experimentation. Teaching is hands-on and undertaken in teams using the most innovative digital design and fabrication technologies available to the architectural profession in dedicated studios and workshops.

UTS students have the benefit of learning from a cohesive team who are passionate about architecture and engage with the discipline as practitioners, researchers, educators and critics.

The first year is undertaken full time, but in subsequent years students can enrol part time, making it possible to gain significant professional experience before graduation.

**AREAS OF STUDY**

Design, architecture history and theory, communication, construction, sustainability, environmental control.

<table>
<thead>
<tr>
<th>COURSE STRUCTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
</tr>
<tr>
<td>Architectural Design: Forming</td>
</tr>
<tr>
<td>Architectural History and Theory: Orientations</td>
</tr>
<tr>
<td>Architecture Culture and Environment</td>
</tr>
<tr>
<td>Architectural Design: Architectural Communications</td>
</tr>
<tr>
<td>Architectural Design: Making</td>
</tr>
<tr>
<td>Architectural History and Theory: Modernity and Modernism</td>
</tr>
<tr>
<td>Introduction to Construction and Structural Synthesis</td>
</tr>
<tr>
<td>Architectural Design: Architectural Communications 2</td>
</tr>
</tbody>
</table>

| **Year 2** |
| Architectural Design: Strategy |
| Architectural History and Theory: Urbanism and the City |
| Architectural Design and Construction |
| Select 6 credit points of electives |
| Architectural History and Theory: Critique |
| Architectural Design: Performance |
| Thermal Design and Environmental Control |
| Select 6 credit points of electives |

| **Year 3** |
| Architectural Design: Field |
| Lighting, Acoustics and Advanced Environmental Control |
| Advanced Architectural Construction |
| Select 6 credit points of electives |
| Architectural Design: Integration |
| Architectural History and Theory: Current Events and Debates |
| Integrated Systems |
| Select 6 credit points of electives |

**PROFESSIONAL RECOGNITION**

The Bachelor of Design in Architecture followed by the Master of Architecture (C04235) is accredited for professional recognition by the NSW Architects Registration Board, the Australian Institute of Architects and the Commonwealth Association of Architects.

**CAREER OPPORTUNITIES**

Career opportunities include architect (after completion of the Master of Architecture), urban designer, project manager, administrator, policy maker, researcher, educator, journalist or disaster relief and international aid professional.

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^ Applicants may be required to submit a portfolio and a personal statement.
**BACHELOR OF DESIGN IN FASHION AND TEXTILES**

**COURSE DESCRIPTION**
The Bachelor of Design in Fashion and Textiles has been designed to enable students to create pathways of learning as they progress through the degree with a flexible and diverse approach to learning. Emphasis throughout this practice-based course is placed on value, innovation, creativity and responsible practice. Students should develop flexibility and confidence in working in and across the diverse environments that constitute contemporary practice.

The course centres around design studios which integrate practice-oriented learning around specific fashion and textile projects, and parallels the process that professionals undertake in industry. There is strong emphasis on creativity, experimentation, and future thinking about the fashion industry. Professional practice is embedded in all fashion studios and builds on contemporary industry practice within a focus on international fashion markets. Projects are developed through individual and group work and are often tied to external projects with industry or cultural partners.

**COURSE STRUCTURE**

**Year 1**
- Thinking Fashion
- Studio: Foundations in Patternmaking and Construction I
- Studio: Fashion Illustration Fundamentals 1
- Design Thinking
- Fashion Cultures
- Foundations in Patternmaking and Construction 2
- Fashion Illustration Fundamentals 2
- Researching Design History

**Year 2**
- Studio: Bespoke Fashion
- Fashion, Gender and Identity
- Studio: Fashion Illustration Exploration
- Select 6 credit points of electives
- Studio: Body Mapping
- Textile Lab: New Technologies
- Interdisciplinary Lab A
- Select 6 credit points of electives

**Year 3**
- Studio: Men’s Collection
- Interdisciplinary Lab B
- Select 6 credit points of electives
- Studio: Women’s Collection
- Fashion and Textiles Professional Practice
- Select 6 credit points of electives

**CAREER OPPORTUNITIES**
Career options include womenswear designer, menswear designer, fashion production, art/creative director, textile designer, print designer, fashion forecasting. Some graduates start their own business, while others work within an established company locally or with larger international brands. Graduates may also continue studies at postgraduate level in both coursework or research degrees.

**BACHELOR OF DESIGN IN INTEGRATED PRODUCT DESIGN**

**COURSE DESCRIPTION**
Integrated product design expands on the traditional field of industrial design to reflect the changed realities of the globalised design profession. The course offers a practice-based approach to learning through the integration of digital and analogue technologies across the broad field of integrated product design, as well as the potential for specialisation within highly contemporary and innovative integrated product design practices.

Integrated product design expands on the traditional field of industrial design to reflect the changing realities of the globalised design profession. With a strong emphasis on creativity and technology, the course equips students with the capacity to form an integrated approach and understanding of how to conceptualise, visualise and realise products, services and/or systems as a design professional. The program offers students the option to pursue a sub-major in interaction design.

**COURSE STRUCTURE**

**Year 1**
- Inside Design
- Understanding Three-dimensional Form
- Integrated Product Design Communications
- Design Thinking
- Design Thinking in Integrated Product Design
- Integrated Product Design Digital Communication
- Informing Integrated Product Design
- Researching Design History

**Year 2**
- User-Centred Design
- Research Methods in Integrated Product Design
- Select 6 credit points of electives
- Interdisciplinary Lab A
- Select 12 credit points from the following:
  - Sub-major options
  - Select 6 credit points of electives

**Year 3**
- Interdisciplinary Lab B
- Smart Design
- Select 6 credit points of electives
- Integrated Product Design Professional Communication
- Select 12 credit points from the following:
  - Sub-major options
  - Select 6 credit points of electives

* Applicants may be required to submit a portfolio and a personal statement.

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**BACHELOR OF DESIGN IN INTERIOR AND SPATIAL DESIGN**

**COURSE DESCRIPTION**

With a strong emphasis on creativity and technology, the Bachelor of Design in Interior and Spatial Design is the first university program of its kind in Australia. While interior design is an established profession, spatial design encompasses a range of connected practices that engage directly and creatively with space, from designing an exhibition to art directing a performance.

The course equips graduates with critical thinking, spatial intelligence, creativity and the skills to practise in the expanded field of interior and spatial design, to take up leading roles in industry. Students focus on the complex relationships between people and space and collaborate with architects, artists and creative directors on the spatial design of a wide range of environments including urban, retail, commercial and residential interior design.

**AREAS OF STUDY**

Experimentations with space and materials, inhabitation and human interactions to space, spaces and places of performance, industry practice and professional development.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Context: Image and Making (Representation)</td>
<td>Context: Inhabitutions</td>
<td>Select 12 credit points from the following:</td>
</tr>
<tr>
<td>Design Thinking</td>
<td>Context: Experimentations</td>
<td>Design Studio: Explorations</td>
</tr>
<tr>
<td>Researching Design History</td>
<td>Select 6 credit points of electives</td>
<td>Design Studio: Performative Spaces 2</td>
</tr>
<tr>
<td>Design Studio: Foundations in Spatial Design</td>
<td>Select 12 credit points from the following:</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td></td>
<td>Select 6 credit points of electives</td>
<td>Design Studio: Industry</td>
</tr>
</tbody>
</table>

**PROFESSIONAL RECOGNITION**

Design Institute of Australia; International Federation of Interior Architects/Designers; Interior Design/Interior Architecture Educators Association (IDEA).

**CAREER OPPORTUNITIES**

Career options include commercial and residential interior design, interactive and responsive environment design, museum and exhibition design, production design for film and television, theatre and performance design and visual and spatial branding.

**BACHELOR OF DESIGN IN LANDSCAPE**

**COURSE DESCRIPTION**

The Bachelor of Design in Landscape is a course designed to develop skills in design, construction and management associated with our natural and built landscapes.

This course covers the fundamentals of landscape design including geology, land types, Indigenous attitudes towards landscape, digital surveying and visualisation techniques. The course equips students with critical thinking, creativity and the skills to engage across the expanded field of landscape design; take-up leading roles in the design of all landscapes in urban and rural contexts; and pursue roles in land management and stewardship, architecture, and urban design. Students have the benefit of learning from a cohesive team who are passionate about landscape architecture and engage with the discipline as practitioners, researchers, educators and critics.

UTS offers graduates the opportunity to apply to the Master of Landscape Architecture degree (the master’s has been approved for offer from Autumn 2017).

With a strong emphasis on graphic communication, professional skills, and the integration of technical and landscape requirements for contemporary urban contexts, students have the opportunity to participate in a broad range of international travel and exchange opportunities, and gain excellent exposure to and insight into leading practitioners in the industry.

**AREAS OF STUDY**

Design of landscapes in urban and rural contexts, ecology, sustainability, graphic communications, hydrology, botany, professional practice and research.

* Applicants may be required to submit a portfolio and a personal statement.
**COURSE STRUCTURE**

Year 1  
Landscape Design 1  
Landscape History and Theory 1  
Architecture Culture and Environment  
Architectural Design: Architectural Communications  
Landscape Design 2  
Landscape History and Theory 2  
Introduction to Construction and Structural Synthesis  
Architectural Design: Architectural Communications 2

Year 2  
Landscape Design 3  
Natural Environments  
Botany for Landscape Design  
Select 6 credit points of electives  
Landscape Design 4  
Landscape Planning and Analysis  
Geology and Hydrology for Landscape Design  
Select 6 credit points of electives

Year 3  
Landscape Design 5  
Urban Environments  
Advanced Botany, Ecologies and Sustainability  
Select 6 credit points of electives  
Landscape Design 6  
Contemporary Issues in Landscape Theory  
Landscape Infrastructure  
Select 6 credit points of electives

Year 4  
Advanced Landscape Architectural Design Studio 1  
Select one of the following:  
Architectural Practice: Advocacy  
Architectural Practice: The Profession  
Select 6 credit points from the following:  
Options (Landscape)  
Advanced Landscape Architectural Design Studio 2  
Select one of the following:  
Architectural Practice: The Profession  
Architectural Practice: Advocacy  
Select 6 credit points from the following:  
Options (Landscape)

**CAREER OPPORTUNITIES**

Career options include landscape architect, land management professional, regional planner, urban designer, educator and policy maker.

**BACHELOR OF DESIGN IN PHOTOGRAPHY AND SITUATED MEDIA**

**COURSE DESCRIPTION**

The Bachelor of Design in Photography and Situated Media is an innovative course designed to create an experimental, creative and critical environment in which to practice and think about photography. It pushes existing photographic boundaries and embraces new and established digital and analogue techniques to understand what photography is and how it might be used and interpreted in the future.

This course develops photographic practitioners who can think conceptually and who can adapt and develop appropriate visual languages for a range of contemporary cultural and industry outcomes.

Course staff and students collaborate regularly with external organisations and community. Recent projects have involved Kaldor Public Arts Projects and the Museum of Contemporary Art Australia.

**AREAS OF STUDY**

Design thinking, design history, photography, image studies, innovation technologies, photojournalism, interaction design, theory, installation design.

**COURSE STRUCTURE**

Year 1  
Photographic History and Theory  
Design Studio: Photographic Intervention  
Design Thinking  
Situated Media Culture and Context  
Photographic Manipulation  
Design Studio: The Photographic Studio

Year 2  
Design Studio: The Digital Image  
Photographic Context 1  
Select 6 credit points of electives  
Design Studio: The Object  
Photographic Context 2  
Select 6 credit points of electives

Year 3  
Design Studio: Research as Practice  
Photographic Context 3  
Select 6 credit points of electives  
Graduation Exhibition  
Professional Practice: Photography  
Select 6 credit points of electives

**CAREER OPPORTUNITIES**

Graduates of this course can engage in the broad scope of photographic and image-based careers. Options include employment or self-employment in the commercial and cultural photographic industries including: editorial photography; photojournalism; fine art photography; art direction; interactive media and advertising; exhibition design; photographic post production, media arts and photographic lighting.

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* Applicants may be required to submit a portfolio and a personal statement.  
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.  
Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).  
Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
**COURSE DESCRIPTION**

The Bachelor of Design in Visual Communication offers a practice-based approach to learning visual communication. Throughout the course, the creation of new design solutions is driven by rigorous and critical exploration of methods, materiality and technology, and understanding the influence of globalisation, digitisation, complexity and interactivity.

The course aims to foster a creative and exploratory attitude toward the design process, where research and practice are consolidated in design outcomes. Teaching is centred around design studios that integrate practice-orientated learning through tasks that parallel the processes that professionals undertake in industry. Solutions are driven by the rigorous and critical exploration of methods, materiality and technology. A combination of interdisciplinary subjects, industry projects, internships, competitions and international studios, develop both flexibility and confidence in working across the diverse environments that constitute contemporary design practice. Students are required to undertake the Professional Experience Program, including a mandatory 160-hour industry work placement.

The course is structured to allow students to focus on areas of specialisation. Throughout all stages, the course requires students to develop an understanding of their own individual design language and theoretical position in relationship to historic and contemporary contexts.

**AREAS OF STUDY**

Design thinking, typography, illustration, interactive design, web design, interaction design, branding, experiential design, moving image design, data visualisation, design for animation, strategic design, design history and emergent visual communication practices.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>VC Design Studio: Text and Image 1</td>
<td>VC Design Studio: Narrative, Form and Time</td>
<td>VC Design Studio: Design Practice</td>
</tr>
<tr>
<td>VC Project: Ways of Seeing</td>
<td>VC Project: Contexts of Visual Communication</td>
<td>Interdisciplinary Lab B</td>
</tr>
<tr>
<td>Design Thinking</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>VC Project: Symbols and Systems</td>
<td>VC Project: Visualising Experience</td>
<td>VC Project: Socially Responsive Design</td>
</tr>
<tr>
<td>Researching Design History</td>
<td>Interdisciplinary Lab A</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td></td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
</tbody>
</table>

**PROFESSIONAL RECOGNITION**

Graduates are eligible for membership of the Design Institute of Australia (DIA) and the Australian Graphic Design Association (AGDA).

**CAREER OPPORTUNITIES**

Career options include design roles in graphic design, publishing, advertising, animation, film, television, exhibitions, government agencies, not-for-profit and corporate sectors.

* Applicants may be required to submit a portfolio and a personal statement.
BACHELOR OF PROPERTY ECONOMICS

COURSE DESCRIPTION

The Bachelor of Property Economics is an applied degree that prepares students for a career in the dynamic global property industry. It produces highly sought-after property professionals ready to enter the workforce with qualifications fully recognised by professional and industry bodies.

Progressively more advanced subject content and assessment tasks develop students’ abilities to analyse and synthesise knowledge, solve problems using critical thinking and independent judgment and communicate knowledge and ideas clearly and coherently.

Understanding the ethical responsibilities of property professionals and demonstrating the ability to work in teams as well as independently are essential preparation for the professional workplace.

Assessment tasks entailing project-based learning, using digital information technologies, and applying theoretical concepts to real world problems, ensure that students develop adaptability, initiative, and decision-making ability.

AREAS OF STUDY

Economics, investment, property taxation, valuation, finance, urban design, property development, business management, built environment law.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built Environment Law and Ethics</td>
<td>Property Rights and Landlord Tenant Law</td>
<td>Property Finance</td>
</tr>
<tr>
<td>Built Environment Economics</td>
<td>Urban Economics</td>
<td>Property and Political Economy</td>
</tr>
<tr>
<td>Construction and Development Process</td>
<td>Urban Planning Process</td>
<td>Statutory Valuation and Compensation</td>
</tr>
<tr>
<td>Property Valuation</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>Property Management</td>
<td>Property Market Research and Analysis</td>
<td>Select one of the following:</td>
</tr>
<tr>
<td>Built Environment Law and Professional Practice</td>
<td>Property Investment and Valuation</td>
<td>Sustainable Construction and Development Management</td>
</tr>
<tr>
<td>Microeconomics for Property</td>
<td>Select 6 credit points of electives</td>
<td>Property Investment and Portfolio Management</td>
</tr>
<tr>
<td>Financial Analysis</td>
<td>Property Taxation</td>
<td>Property Management</td>
</tr>
<tr>
<td>Property Accounting and Financial Management</td>
<td>Valuing Projects</td>
<td>Property Taxation</td>
</tr>
<tr>
<td></td>
<td>Select 6 credit points of electives</td>
<td>Valuing Projects</td>
</tr>
</tbody>
</table>

PROFESSIONAL RECOGNITION

Australian Property Institute (API); Royal Institution of Chartered Surveyors (RICS).

CAREER OPPORTUNITIES

Career options include property valuer, property and asset manager, property market analyst, property sales and acquisitions, property developer, funds manager, and corporate real estate adviser.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each. Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

### HONOURS DEGREES

Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
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<tbody>
<tr>
<td>C09064</td>
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<td>2</td>
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<td>March, July</td>
<td>City</td>
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<tr>
<td>C09056</td>
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<td>2</td>
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<td>March</td>
<td>City</td>
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<tr>
<td>C09048</td>
<td>Bachelor of Design (Honours) in Architecture</td>
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<tr>
<td>C09060</td>
<td>Bachelor of Design (Honours) in Fashion and Textiles</td>
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<tr>
<td>C09059</td>
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<td>March</td>
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<td>C09052</td>
<td>Bachelor of Design (Honours) in Photography and Situated Media</td>
<td>2</td>
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<td>2</td>
<td>A$14,770</td>
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### COMBINED DEGREES

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<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
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<tr>
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<td>C10325</td>
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<tr>
<td>C10307</td>
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<tr>
<td>C10321</td>
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<td>C10272</td>
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<tr>
<td>C10322</td>
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<tr>
<td>C10324</td>
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<td>C10320</td>
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<td>March</td>
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</tbody>
</table>

* 8 semesters and 6 intensive summer/winter sessions.
Due to the work-based training component in some UTS Education courses, the teaching period will follow 2016 UTS Academic Calendar B. In 2016, Autumn session will run from 22 February to 2 July 2016 and Spring session from 25 July to 3 December 2016. This includes a one week Orientation period for the Autumn and Spring session.

> **Join a top-ranked program.** In the 2014 QS World University Subject Rankings, UTS: Education was ranked in the top 200 in Education.

> **Gain confidence as a teacher** and develop the skills, knowledge and hands-on experience sought by employers worldwide. Our courses combine theory with professional teaching experiences each semester. There’s also the option to undertake an overseas experience in China, Thailand or Samoa.

> **Engage with the latest knowledge,** with innovations in teaching and learning integrated into our course content. E-learning subjects are integrated into many of our courses in response to the demand for skilled, internet-savvy and imaginative professionals.

> **Learn from dedicated experts,** many of whom are published authors and internationally recognised leaders in their field. Their expertise and close connection with professional and community networks provides students with up-to-date learning opportunities and access to guest lecturers and diverse organisations.

> **Develop a strong blend of practice-oriented and career relevant skills** including the ability to think constructively – a skill that’s transferable to any job or discipline.

> **Utilise our collaborative teaching spaces** that support contemporary modes of teaching and learning. These spaces also provide opportunities for technology-enabled project work and learning that occurs in groups.

> **Benefit from innovative and interdisciplinary research;** our coursework programs are informed by the latest developments, including research gained from UTS’s Centre for Research in Learning and Change, and International Centre for Youth Futures.

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**IN 2014 UTS: ARTS AND SOCIAL SCIENCES HAD:**

<table>
<thead>
<tr>
<th>3300</th>
<th>undergraduate coursework students</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>international undergraduate coursework students</td>
</tr>
<tr>
<td>100</td>
<td>students go overseas on global exchange</td>
</tr>
</tbody>
</table>

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**primary education**

www.education.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standards, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

PROFESSOR ROSEMARY JOHNSTON
Founding Director, International Centre for Youth Futures

“I like the fact UTS has a vibrant community of scholars, that we all have a role to play in this lovely enterprise of education, and that above all, UTS encourages and fosters creative and innovative thinking - and doing - in its staff and students.

My proudest moment is when students walk across the stage at graduation in cap and gown to collect their testamur. But I am also very proud of our teacher education courses, which have an extremely high reputation, and of the UTS-based International Centre for Youth Futures and the work it does to achieve educational equity, especially for disadvantaged communities.”

YU YAN TRAN
Bachelor of Education in Primary Education and Bachelor of Arts in International Studies (Germany)

“My diverse practical experiences have meant that I have been able to develop myself as a teacher, right from the first semester. I’m also very excited for my year abroad so that I can experience another culture and explore how I can integrate this into my teaching in Australia.”

YU YAN TRAN
Bachelor of Education in Primary Education and Bachelor of Arts in International Studies (Germany)
This course prepares students to teach in schools from kindergarten to Year 6. It is a practice-oriented course that aims to produce high-quality graduates through an integrated program of the latest educational theory, along with professional experience every semester in every year. Students continually develop teaching competence throughout the entire degree by teaching what they learn in professional experience.

This course is designed for students who want the benefit of extensive and diverse professional experience opportunities. Students also study innovative teaching methods in the key learning areas and have a wide choice of electives in which to add depth of study in fields of interest. Students have the opportunity to undertake an international teaching practicum in countries such as China, Thailand or Samoa.

### Course Structure

**Year 1**
- English Education 1
- Personal Development, Health and Physical Education 1
- Visual Arts Education
- Professional Experience 1: Beginning Teaching
- Social and Environmental Education 1
- Music, Movement and Dance
- Child Development
- Professional Experience 2: Developing Classroom Management

**Year 2**
- Mathematics Teaching and Learning 1
- Learning in Science and Technology 1
- Research in Learning
- Professional Experience 3: Integrating Learning Technologies

**Year 3**
- Social and Environmental Education 2
- Professional Experience 5: Teaching Students with Special Educational Needs
- Select 12 credit points of electives

**Year 4**
- Select one of the following:
  - Mathematics Teaching and Learning 3
  - Philosophical and Ethical Practice in Education
  - Professional Experience 7: Meeting the English Language Needs of Learners
- Select 12 credit points of electives

### Professional Recognition

The course provides a teaching qualification recognised by the NSW Department of Education and Communities, Independent Schools Association, Catholic Education Office, and is also recognised internationally. Accreditation of the primary teacher education component of the course is through the Board of Studies, Teaching and Educational Standards (BOSTES). To gain employment as a teacher in NSW schools, graduates must meet the requirements of the BOSTES, including language proficiency and mathematics (see www.education.uts.edu.au/students/maths).

### Career Opportunities

Career options include a primary school teacher (kindergarten to Year 6) in a public or private school locally and internationally. Other options include a curriculum consultant, educational researcher or educator in a community setting such as a hospital, community or migrant education centre.

### Combined Degrees

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10208</td>
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</tbody>
</table>

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).
UTS: ENGINEERING

biomedical • civil • civil – construction • civil – structures • civil and environmental • electrical • environmental • ICT • ICT computer systems • ICT software • ICT telecommunications • innovation • mechanical • mechatronic • mechanical and mechatronic

> Earn an internationally recognised Bachelor of Engineering (Honours), accredited by Engineers Australia.

> Join a top-ranked international program. UTS ranks 95th for Engineering and Information Technology in the Times Higher Education World University Rankings 2014-15. UTS also ranks in the top 150 for Engineering in the Academic Ranking of World Universities (ARWU) 2014. In the 2014 QS World University Subject Rankings, UTS: Engineering ranked in the top 150 for Civil and Structural Engineering and in the top 200 for Mechanical, Electric and Electronic Engineering.

> Benefit from the involvement of the prestigious Industry Advisory Network (IAN). This network of senior industry representatives from all fields of engineering practice provides strategic advice and support to ensure graduates are well-equipped for the workforce.

> Study in our new state-of-the-art Engineering and IT Building. The technology rich building features a 3D data visualisation arena, Disruptive Design Lab, Software Development Studio, a new Maker’s Lab with 3D scanner and printer, an Engine Testing and Electric Vehicle Lab and many other specialist laboratories.

> Gain practical experience by undertaking two six-month work placements with the Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice.

> Access cutting-edge facilities such as our world-leading UTS Remote Laboratory, where students can conduct real-time interactive experiments, from anywhere at any time.

> Develop solutions to real engineering problems in consultation with our industry partners through capstone subjects in each of our Engineering majors.

> Experience research-inspired learning, with course content that is constantly updated and informed by UTS’s ground-breaking research, relevant to today’s world. Many of our academics are engaged in joint research programs with overseas universities and research institutions.

> Accelerate your studies – ask about our pathway programs and the credit recognition options available.

Scholarship opportunities

The Engineering International Undergraduate Excellence Scholarships, are a 35% tuition fee waiver for one semester of full-time study, offered to international students commencing either the Bachelor of Engineering (Honours) or the Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice, and who meet the eligibility criteria.

IN 2014 UTS: ENGINEERING & IT HAD:

5600 undergraduate coursework students
1145 international undergraduate coursework students
55 students go overseas on global exchange

www.eng.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

LIEM HO, VIETNAM
Bachelor of Engineering (Civil)*
PhD student and tutor at UTS

“I chose UTS because of its reputation, value for money and its location. They are also renowned for their practice-based Engineering program, which gave me the opportunity to challenge myself in a real engineering workplace.

I think new students will have an exciting Australian university experience at UTS. There are several social clubs and activities to take part in and they offer great student services for those who need help.

I enjoyed studying in their culturally diverse environment and while there, I gained invaluable friendships as well as improved communication and engineering skills.”

*Course name changed in 2015 to Bachelor of Engineering (Honours) (Civil)

LOUISE MITCHELL
Toshiba International Corporation Pty Ltd
– Power Systems and Services (TIC)
Human Resources

“TIC embraces the practice-based approach provided to engineering students at UTS as it aligns with our own values and our approach to continuous learning. Students gain real-life experiences in the power/energy sector working alongside more experienced engineers as part of our team.

The practicality of the six-month internships provides students with an educational experience beyond an ‘everyday’ degree.

TIC has actively targeted UTS: Engineering graduates as its employees, citing the industry exposure afforded through the UTS program as a key contributing factor behind this choice.”
BACHELOR OF ENGINEERING (HONOURS)

COURSE DESCRIPTION
This course is identical to the Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice [C09067] except there is no Diploma in Professional Engineering Practice requirement.

This program is a comprehensive preparation for careers in the professional practice of engineering. Students learn to deal with complex systems and manage large-scale projects using the most appropriate emerging technologies.

AREAS OF STUDY
Engineering, research and analysis, project management, sustainability, problem solving methodologies, engineering communication, engineering design process and analysis, accounting fundamentals, fundamentals of mechanics, thermal physics, electricity, fluids, waves and optics, mathematical modelling, calculus, linear algebra, statistics and 3D geometry.

MAJORS
Biomedical, civil, civil and environmental, electrical, environmental, ICT*, innovation*, mechanical, mechanical and mechatronic, mechatronic. No specified major.

* This major is currently under review and may change or discontinue in 2016.

COURSE STRUCTURE

**Biomedical Engineering major**

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Chemistry 1
- Introduction to Electrical Engineering
- Mathematical Modelling 2
- Physical Modelling
- Select 6 credit points from the following:
  - Programming Fundamentals
  - Engineering Computations
- Select 6 credit points from the following:
  - Introductory Digital Systems
  - Mechatronics 1

**Year 2**
- Design and Innovation Fundamentals
- Cell Biology and Genetics
- Database Principles
- Electronics and Circuits
- Engineering Practice Preparation 1
- Engineering Economics and Finance
- Human Anatomy and Physiology
- Signal Theory
- Physiological Systems

**Year 3**
- Engineering Project Management Fundamentals of Biomedical Engineering
- Medical Devices and Diagnostics
- Select 6 credit points from the following:
  - Medical Imaging
  - Neuroscience
  - Mechatronics 2
  - Introductory Control
  - Advanced Data Analytics
  - Programming with Patterns
  - Image Processing and Pattern Recognition
  - Introduction to Data Analytics
  - Engineering Work Experience
  - Entrepreneurship and Commercialisation

**Year 4**
- Engineering Workplace Reflection
- Engineering Research Preparation
- Select 6 credit points from the following:
  - Bioinformatics
  - Advanced Robotics
  - Neural Networks and Fuzzy Logic
  - Biomedical Instrumentation
  - Biomedical Signal Processing
- Select 12 credit points of options

**Civil Engineering major**

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Engineering Mechanics
- Surveying
- Chemistry and Materials Science

**Year 2**
- Design and Innovation Fundamentals
- Engineering Computations
- Mechanics of Solids
- Construction
- Engineering Practice Preparation 1
- Engineering Economics and Finance
- Soil Behaviour
- Structural Analysis
- Construction Materials

**Year 3**
- Engineering Project Management
- Concrete Design
- Fluid Mechanics
- Road and Transport Engineering
- Entrepreneurship and Commercialisation
- Environmental and Sanitation Engineering
- Geotechnical Engineering
- Hydraulics and Hydrology
- Engineering Work Experience

**Year 4**
- Engineering Workplace Reflection
- Engineering Research Preparation
- Steel and Timber Design
- Select 12 credit points of options
- Computer Modelling and Design
- Engineering Capstone
- Select 12 credit points of options
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

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# BACHELOR OF ENGINEERING (HONOURS) DIPLOMA IN PROFESSIONAL ENGINEERING PRACTICE

**COURSE DESCRIPTION**

This program is a comprehensive preparation for careers in the professional practice of engineering. Students learn to deal with complex systems and manage large-scale projects using the most appropriate emerging technologies.

The course offers an authentic, professionally focused and practice-based education program with two semesters of internship (normally paid) in a real workplace setting. A number of the areas of study are available with explicit specialisations. For example, ICT Engineering is available with sub-majors in Software, Telecommunications, Computer Systems and Network Security. Civil Engineering is available with specialisations in Structures and Construction. Students can also focus on or broaden their studies by completing electives. By appropriate choice of electives, students can gain knowledge in a second engineering discipline, obtain a sub-major in a different field or study postgraduate degree subjects and apply for credit towards an engineering master's degree. The concept has been strongly endorsed in wide-ranging industry consultations. Interaction between work experience and academic curriculum is very strong, giving the program a depth that no other full-time academic course can match.

**AREAS OF STUDY**

Engineering, research and analysis, project management, sustainability, problem solving methodologies, engineering communication, engineering design process and analysis, accounting fundamentals, fundamentals of mechanics, thermal physics, electricity, fluids, waves and optics, mathematical modelling, calculus, linear algebra, statistics and 3D geometry.

**MAJORS**

Biomedical, civil, civil and environmental, electrical, environmental, ICT*, innovation*, mechanical, mechanical and mechatronic, mechatronic.

For the most up-to-date course information please visit handbook.uts.edu.au/eng

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* This major is currently under review and may change or discontinue in 2016.

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This published fee is based on 24 credit points per semester, during the Diploma year the fee per semester is based on 18 credit points.

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## Biomedical Engineering major

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Chemistry 1
- Introduction to Electrical Engineering
- Mathematical Modelling 2
- Physical Modelling
- Select 6 credit points from the following:
  - Programming Fundamentals
  - Engineering Computations

**Year 2**
- Design and Innovation Fundamentals
- Cell Biology and Genetics
- Database Principles
- Electronics and Circuits
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Human Anatomy and Physiology
- Signal Theory
- Physiological Systems
- Engineering Practice Reflection 1
- Engineering Project Management
- Fundamentals of Biomedical Engineering
- Medical Devices and Diagnostics
- Select 6 credit points from the following:
  - Medical Imaging
  - Neuroscience
  - Mechatronics 2
  - Introductory Control
  - Advanced Data Analytics Programming with Patterns
  - Image Processing and Pattern Recognition
  - Introduction to Data Analytics

**Year 4**
- Entrepreneurship and Commercialisation
- Engineering Practice Preparation 2
- Select 18 credit points from the following:
  - Medical Imaging
  - Neuroscience
  - Mechatronics 2
  - Introductory Control
  - Advanced Data Analytics Programming with Patterns
  - Image Processing and Pattern Recognition
  - Introduction to Data Analytics
- Engineering Professional Experience 2
- Work Integrated Learning 2

**Year 5**
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 6 credit points from the following:
  - Bioinformatics
  - Advanced Robotics
  - Neural Networks and Fuzzy Logic
  - Biomedical Instrumentation
  - Biomedical Signal Processing

Civil Engineering major

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Engineering Mechanics Surveying
- Chemistry and Materials Science

**Year 2**
- Design and Innovation Fundamentals
- Engineering Computations
- Mechanics of Solids
- Construction
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Soil Behaviour
- Structural Analysis
- Construction Materials
- Engineering Practice Reflection 1
- Engineering Project Management
- Concrete Design
- Fluid Mechanics
- Road and Transport Engineering

**Year 4**
- Entrepreneurship and Commercialisation
- Environmental and Sanitation Engineering
- Geotechnical Engineering
- Hydraulics and Hydrology
- Engineering Practice Preparation 2
- Engineering Professional Experience 2
- Work Integrated Learning 2

**Year 5**
- Engineering Practice Reflection 2
- Engineering Research Preparation
- Steel and Timber Design
- Select 12 credit points of options
- Computer Modelling and Design
- Engineering Capstone
- Select 12 credit points of options
### Civil Engineering major, Construction specialisation

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<td>Site Management</td>
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<td>Construction</td>
<td>Construction Materials</td>
<td>Hydraulics and Hydrology</td>
<td>Construction Technology 4</td>
</tr>
<tr>
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<td>Engineering Practice Reflection 1</td>
<td>Engineering Practice Preparation 2</td>
<td>Design Team Management</td>
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<tr>
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<td>Engineering Project Management</td>
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### Civil Engineering major, Structures specialisation

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<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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<tr>
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<td>Entrepreneurship and Commercialisation</td>
<td>Engineering Practice Reflection 2</td>
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<td>Engineering Computation</td>
<td>Soil Behaviour</td>
<td>Geotechnical Engineering</td>
<td>Engineering Research Preparation</td>
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<td>Engineering Practice Reflection 1</td>
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<td>Fluid Mechanics</td>
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<td>Engineering Capstone</td>
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<td>Select 6 credit points from the following: Steel and Timber Design</td>
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<td>Construction Technology 4</td>
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<td>Design Team Management</td>
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<td></td>
<td>Environmental Planning and Law</td>
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<td></td>
<td>Road and Transport Engineering</td>
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<td>Select 12 credit points of options</td>
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</tbody>
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The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

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Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
### Civil and Environmental Engineering major

**Year 1**
- Mathematical Modelling 1
- Physical Modelling
- Engineering Communication
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Engineering Mechanics
- Chemistry 1
- Surveying

**Year 2**
- Design and Innovation Fundamentals
- Mechanics of Solids
- Principles of Environmental Engineering
- Engineering Computations
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Construction Materials
- Fluid Mechanics
- Water Supply and Wastewater Engineering
- Engineering Practice Reflection 1
- Engineering Project Management
- Structural Analysis
- Pollution Control and Waste Management
- Hydraulics and Hydrology

**Year 4**
- Entrepreneurship and Commercialisation
- Soil Behaviour
- Environmental Chemical Processes
- Concrete Design
- Engineering Practice Preparation 2
- Engineering Professional Experience 2
- Work Integrated Learning 2

**Year 5**
- Engineering Research Preparation
- Geotechnical Engineering
- Environmental Planning and Law
- Road and Transport Engineering
- Engineering Practice Reflection 2
- Engineering Capstone
- Renewable Energy Technology
- Water and Environmental Design
- Steel and Timber Design

### Electrical Engineering major

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Introduction to Electrical Engineering
- Physical Modelling
- Mathematical Modelling 2
- Introductory Digital Systems
- Fundamentals of Electrical Engineering
- Electronics and Circuits

**Year 2**
- Design and Innovation Fundamentals
- Embedded C
- Circuit Analysis
- Advanced Mathematics and Physics
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Electromechanical Automation
- Signals and Systems
- Engineering Practice Reflection 1
- Select 6 credit points of options
- Engineering Project Management
- Select 12 credit points from the following:
  - Advanced Digital Systems
  - Introductory Control
  - Data Acquisition and Distribution
  - Electrical Machines
  - Power Circuit Theory
  - Select 6 credit points of options

**Year 4**
- Entrepreneurship and Commercialisation
- Engineering Practice Preparation 2
- Select 6 credit points from the following:
  - Advanced Control
  - Digital Electronics
  - Embedded Software
  - Power Electronics and Drives
  - Power Systems Analysis and Design
  - Select 6 credit points from the following:
    - Advanced Digital Systems
    - Introductory Control
    - Data Acquisition and Distribution
    - Electrical Machines
    - Power Circuit Theory
    - Select 6 credit points of options
  - Engineering Professional Experience 2
  - Work Integrated Learning 2

**Year 5**
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 12 credit points from the following:
  - Embedded Software
  - Power Electronics and Drives
  - Advanced Control
  - Digital Electronics
  - Power Systems Analysis and Design
  - Select 6 credit points from the following:
    - Advanced Robotics
    - Analog Electronics
    - Real-time Operating Systems
    - Renewable Energy Systems
    - Power Systems Operation and Protection
    - Engineering Capstone
    - Select 12 credit points from the following:
      - Advanced Robotics
      - Analog Electronics
      - Real-time Operating Systems
      - Renewable Energy Systems
      - Power Systems Operation and Protection
      - Select 6 credit points of options
### Environmental Engineering major

**Year 1**
- Mathematical Modelling 1
- Physical Modelling
- Engineering
- Communication
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Engineering Mechanics
- Surveying
- Chemistry 1

**Year 2**
- Design and Innovation Fundamentals
- Principles of Soil Science
- Principles of Environmental Engineering
- Engineering Computations
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Environmental Analysis
- Fluid Mechanics
- Water Supply and Wastewater Engineering
- Engineering Practice Reflection 1
- Engineering Project Management
- Environmental Biotechnology
- Pollution Control and Waste Management
- Hydraulics and Hydrology

**Year 4**
- Entrepreneurship and Commercialisation
- Renewable Energy Technology
- Environmental Chemical Processes
- Select 6 credit points of options
- Engineering Practice Preparation 2
- Engineering Professional Experience 2
- Work Integrated Learning 2

**Year 5**
- Engineering Research Preparation
- Road and Transport Engineering
- Environmental Planning and Law
- Water and Environmental Design
- Engineering Practice Reflection 2
- Engineering Capstone
- Select 18 credit points of options

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### ICTE major, Computer Systems sub-major

**Year 1**
- Mathematical Modelling 1
- Engineering
- Communication
- Physical Modelling
- Introduction to ICT Engineering
- Mathematical Modelling 2
- Programming Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

**Year 2**
- Design and Innovation Fundamentals
- Introductory Digital Systems
- Electronics and Circuits
- Signal Theory
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Economics and Finance
- Embedded C
- Advanced Digital Systems
- Engineering Practice Reflection 1
- Select 6 credit points from the following:
  - ICT choice
  - Engineering Project Management
  - Embedded Software
  - Data Acquisition and Distribution
  - Select 6 credit points from the following:
    - ICT choice

**Year 4**
- Engineering Practice Preparation 2
- Entrepreneurship and Commercialisation
- Real-time Operating Systems
- Select 6 credit points from the following:
  - ICT choice
  - Select 6 credit points of options
  - Engineering Professional Experience 2
  - Work Integrated Learning 2

**Year 5**
- Interrogating Technology: Sustainability, Environment and Social Change
- ICT Analysis
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 6 credit points of options
- ICT Design
- Engineering Capstone
- Select 12 credit points of options

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### ICTE major, Telecommunications Eng sub-major

**Year 1**
- Mathematical Modelling 1
- Engineering
- Communication
- Physical Modelling
- Introduction to ICT Engineering
- Mathematical Modelling 2
- Programming Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

**Year 2**
- Design and Innovation Fundamentals
- Introductory Digital Systems
- Signal Theory
- Communications Networks
- Engineering Practice Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

**Year 3**
- Engineering Practice Reflection 1
- Engineering Economics and Finance
- Network Security
- Continuous Communications
- Select 6 credit points from the following:
  - ICT choice
  - Engineering Project Management
  - Network Planning and Management
  - Discrete Communications
  - Select 6 credit points of options

**Year 4**
- Engineering Practice Preparation 2
- Entrepreneurship and Commercialisation
- Mobile Communications
- Select 12 credit points from the following:
  - ICT choice
  - Engineering Professional Experience 2
  - Work Integrated Learning 2

**Year 5**
- Interrogating Technology: Sustainability, Environment and Social Change
- Engineering Research Preparation
- ICT Analysis
- Engineering Practice Reflection 2
- Select 6 credit points of options
- ICT Design
- Engineering Capstone
- Select 12 credit points of options

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Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
### ICTE major, Software Engineering sub-major

#### Year 1
- Mathematical Modelling 1
- Engineering
- Communication
- Physical Modelling
- Introduction to ICT
- Engineering
- Mathematical Modelling 2
- Programming
- Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

#### Year 2
- Applications
- Programming
- Design and Innovation
- Fundamentals
- Signal Theory
- Introductory Digital Systems
- Engineering Practice
- Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

#### Year 3
- Engineering Practice
- Preparation 1
- Engineering Economics and Finance
- Embedded C
- Software Engineering Practice
- Select 6 credit points from the following:
  - ICT choice
  - Embedded Software
  - Software Architecture
  - Engineering Project Management
  - Select 6 credit points from the following:
    - ICT choice

#### Year 4
- Engineering Practice
- Preparation 2
- Entrepreneurship and Commercialisation
- Real-time Operating Systems
- Select 6 credit points from the following:
  - ICT choice
  - Select 6 credit points of options
- Engineering Professional Experience 2
- Work Integrated Learning 2

#### Year 5
- Interrogating Technology: Sustainability, Environment and Social Change
- ICT Analysis
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 6 credit points of options
- ICT Design
- Engineering Capstone
- Select 12 credit points of options

### ICTE major, Network Security Engineering sub-major

#### Year 1
- Mathematical Modelling 1
- Engineering
- Communication
- Physical Modelling
- Introduction to ICT
- Engineering
- Mathematical Modelling 2
- Programming
- Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

#### Year 2
- Communications Networks
- Design and Innovation Fundamentals
- Signal Theory
- Introductory Digital Systems
- Engineering Practice
- Preparation 1
- Engineering Professional Experience 1
- Work Integrated Learning 1

#### Year 3
- Engineering Practice
- Reflection 1
- Engineering Economics and Finance
- Mobile Networking
- Network Security
- Select 6 credit points from the following:
  - ICT choice
  - Network Planning and Management
  - Digital Forensics
  - Engineering Project Management
  - Select 6 credit points of options

#### Year 4
- Engineering Practice
- Preparation 2
- Entrepreneurship and Commercialisation
- Fundamentals of Security
- Select 12 credit points from the following:
  - ICT choice
  - Engineering Professional Experience 2
  - Work Integrated Learning 2

#### Year 5
- Interrogating Technology: Sustainability, Environment and Social Change
- ICT Analysis
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 6 credit points of options
- ICT Design
- Engineering Capstone
- Select 12 credit points of options

### Mechanical Engineering major

#### Year 1
- Mathematical Modelling 1
- Engineering
- Communication
- Introduction to Mechanical and Mechatronic Engineering
- Physical Modelling
- Mathematical Modelling 2
- Introduction to Electrical Engineering
- Fundamentals of Mechanical Engineering
- Chemistry and Materials Science

#### Year 2
- Engineering Practice
- Preparation 1
- Design and Innovation Fundamentals
- Manufacturing Engineering
- Mechanics of Solids
- Engineering Computations
- Engineering Professional Experience 1
- Work Integrated Learning 1

#### Year 3
- Engineering Practice
- Reflection 1
- Mechanical Design 1
- Machine Dynamics
- Fluid Mechanics
- Strength of Engineering Materials
- Engineering Economics and Finance
- Mechanical Design 2
- Thermodynamics
- Dynamics and Control

#### Year 4
- Engineering Practice
- Preparation 2
- Engineering Project Management
- Advanced Manufacturing
- Mechanical Vibration and Measurement
- Heat Transfer
- Engineering Professional Experience 2
- Work Integrated Learning 2

#### Year 5
- Mechanical and Mechatronic Design
- Engineering Research Preparation
- Engineering Practice Reflection 2
- Select 12 credit points of options
- Entrepreneurship and Commercialisation
- Engineering Capstone
- Select 12 credit points of options
### Mechanical and Mechatronic Engineering major, Autumn commencing

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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<th>Year 5</th>
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<td>Mechanical Design 1</td>
<td>Engineering Practice Preparation 2</td>
<td>Engineering Research Preparation</td>
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<td>Design and Innovation Fundamentals</td>
<td>Mechatronics 1</td>
<td>Engineering Project Preparation 2</td>
<td>Robotics</td>
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<tr>
<td>Introduction to Electrical Engineering</td>
<td>Engineering Professional Experience 1</td>
<td>Engineering Practice Reflection 1</td>
<td>Entrepreneurship and Commercialisation</td>
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<td></td>
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<td>and Control</td>
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<td>Engineering Economics</td>
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<td>and Finance</td>
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### Mechatronic Engineering major

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<td>Engineering Practice Preparation 1</td>
<td>Mechanical Design 1</td>
<td>Engineering Practice Preparation 2</td>
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<td>Engineering Communication</td>
<td>Design and Innovation Fundamentals</td>
<td>Mechatronics 1</td>
<td>Engineering Project Preparation 2</td>
<td>Robotics</td>
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<tr>
<td>Introduction to Electrical Engineering</td>
<td>Engineering Professional Experience 1</td>
<td>Engineering Practice Reflection 1</td>
<td>Entrepreneurship and Commercialisation</td>
<td>Entrepreneurship and Commercialisation</td>
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<tr>
<td>Fundamentals of Mechanical Engineering</td>
<td>Work Integrated Learning 1</td>
<td>Mechatronics 2</td>
<td>Engineering Capstone</td>
<td>Engineering Capstone</td>
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<tr>
<td>Manufacturing Engineering</td>
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<td>Thermodynamics</td>
<td>Mechanical and Mechatronic Design</td>
<td>Select 6 credit points of options</td>
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### PROFESSIONAL RECOGNITION

UTS will be seeking continuing accreditation of its engineering courses including the new Bachelor of Engineering (Honours) by Engineers Australia. Under the Washington Accord the degree is internationally recognised by countries including the UK, Ireland, USA, Hong Kong, China, Malaysia, Korea, Japan, New Zealand, Canada, Chinese Taipei, Russia, Singapore, South Africa and Turkey. The Diploma in Professional Engineering Practice allows students to accelerate their entry into the engineering profession as a chartered professional engineer by reducing the time required for professional experience after graduation.

### CAREER OPPORTUNITIES

Career options depend on the major chosen.

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Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
## BACHELOR OF ENGINEERING SCIENCE

### COURSE DESCRIPTION

This course is an engineering technologist-level program which is similar in nature to the Bachelor of Engineering (Honours) (C09066) but does not provide full professional engineering status.

This course provides students with the skills required at an engineering technologist level; and hence the ability to work with professional engineers; without developing full professional engineering competencies.

### AREAS OF STUDY

Engineering, research and analysis, project management, sustainability, problem solving methodologies, engineering communication, engineering design process and analysis, accounting fundamentals, fundamentals of mechanics, thermal physics, electricity, fluids, waves and optics, mathematical modelling, calculus, linear algebra, statistics and 3D geometry.

### MAJORS

Civil, electrical, ICT*, innovation*, mechanical. No specified major, Mechatronic, Environmental.

* This major is currently under review and may change or discontinue in 2016.

### COURSE STRUCTURE

#### Civil Engineering major

**Year 1**
- Engineering Communication
- Mathematical Modelling 1
- Physical Modelling
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Chemistry and Materials Science
- Engineering Mechanics
- Surveying

**Year 2**
- Engineering Computations
- Design and Innovation Fundamentals
- Mechanics of Solids
- Fluid Mechanics
- Engineering Economics and Finance
- Construction
- Environmental and Sanitation Engineering
- Select 6 credit points of electives

**Year 3**
- Soil Behaviour
- Structural Analysis
- Construction Materials
- Interrogating Technology: Sustainability, Environment and Social Change
- Project BEngSc
- Concrete Design
- Select 12 credit points of electives

#### Electrical Engineering major

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Mathematical Modelling 2
- Introductory Digital Systems
- Fundamentals of Electrical Engineering
- Electronics and Circuits

**Year 2**
- Design and Innovation Fundamentals
- Embedded C
- Electromechanical Automation
- Circuit Analysis
- Engineering Economics and Finance
- Signals and Systems
- Advanced Mathematics and Physics
- Select 6 credit points of electives

**Year 3**
- Power Circuit Theory
- Advanced Digital Systems
- Data Acquisition and Distribution
- Select 6 credit points of electives
- Project BEngSc
- Electrical Machines
- Introductory Control
- Select 6 credit points of electives

#### Environmental Engineering major

**Year 1**
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Introduction to Civil and Environmental Engineering
- Mathematical Modelling 2
- Engineering Mechanics
- Surveying
- Chemistry 1

**Year 2**
- Design and Innovation Fundamentals
- Engineering Computations
- Principles of Soil Science
- Fluid Mechanics
- Engineering Economics and Finance
- Pollution Control and Waste Management
- Principles of Environmental Engineering
- Water Supply and Wastewater Engineering

**Year 3**
- Environmental Chemical Processes
- Environmental Analysis
- Hydraulics and Hydrology
- Environmental Biotechnology
- Project BEngSc
- Select 18 credit points of options
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each. Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

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ICTE major, Computer Systems Engineering sub-major
Year 1
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Introduction to ICT Engineering
- Mathematical Modelling 2
- Programming Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

Year 2
- Design and Innovation Fundamentals
- Introductory Digital Systems
- Electronics and Circuits
- Signal Theory
- Engineering Economics and Finance
- Embedded C
- Advanced Digital Systems
- Select 6 credit points from the following: ICT choice

Year 3
- Interrogating Technology: Sustainability, Environment and Social Change
- Embedded Software
- Data Acquisition and Distribution
- Select 6 credit points of electives
- Project BEngSc
- Real-time Operating Systems
- Select 12 credit points of electives

ICTE major, Software Engineering sub-major
Year 1
- Mathematical Modelling 1
- Engineering Communication
- Physical Modelling
- Introduction to ICT Engineering
- Mathematical Modelling 2
- Programming Fundamentals
- Introduction to Electrical Engineering
- Network Fundamentals

Year 2
- Applications Programming
- Introductory Digital Systems
- Design and Innovation Fundamentals
- Signal Theory
- Engineering Economics and Finance
- Embedded C
- Select 6 credit points from the following: ICT choice
- Select 6 credit points of electives

Year 3
- Interrogating Technology: Sustainability, Environment and Social Change
- Embedded Software
- Software Engineering Practice
- Select 6 credit points of electives
- Project BEngSc
- Software Architecture
- Real-time Operating Systems
- Select 6 credit points of electives

Innovation major example with Electrical Engineering specialisation
Year 1
- Mathematical Modelling 1
- Engineering Communication
- Introduction to Electrical Engineering
- Physical Modelling
- Mathematical Modelling 2
- Introduction to Innovation
- Fundamentals of Electrical Engineering
- Select 6 credit points from the following: Engineering Computations
- Programming Fundamentals

Year 2
- Electronics and Circuits
- Introductory Digital Systems
- Design and Innovation Fundamentals
- Embedded C
- Engineering Economics and Finance
- Circuit Analysis
- Select 6 credit points from the following: Innovation choice
- Innovation and Entrepreneurship
- Global Operations and Supply Chain Management
- Accounting for Business Decisions A
- Marketing Foundations
- Fundamentals of Business Finance
- Intellectual Property Commercialisation
- Select 6 credit points of electives

Year 3
- Signals and Systems
- Advanced Mathematics and Physics
- Select 6 credit points from the following: Innovation choice
- Innovation and Entrepreneurship
- Global Operations and Supply Chain Management
- Accounting for Business Decisions A
- Marketing Foundations
- Fundamentals of Business Finance
- Intellectual Property Commercialisation
- Select 6 credit points of electives
- Project BEngSc
- Introductory Control
- Data Acquisition and Distribution
- Select 6 credit points of electives

Mechanical Engineering major
Year 1
- Mathematical Modelling 1
- Engineering Communication
- Introduction to Mechanical and Mechatronic Engineering
- Physical Modelling
- Mathematical Modelling 2
- Engineering Computations
- Fundamentals of Mechanical Engineering
- Chemistry and Materials Science

Year 2
- Design and Innovation Fundamentals
- Manufacturing Engineering
- Mechanics of Solids
- Introduction to Electrical Engineering
- Engineering Economics and Finance
- Mechanical Design 1
- Fluid Mechanics
- Machine Dynamics

Year 3
- Strength of Engineering Materials
- Thermodynamics
- Dynamics and Control
- Select 6 credit points of electives
- Project BEngSc
- Mechanical Design 2
- Select 12 credit points of electives
### CAREER OPPORTUNITIES

Career options include positions in engineering teams across the full spectrum of engineering activities. Specific career options depend on the major chosen.

### COMBINED DEGREES

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
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<td>A$17,580</td>
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<td>040713B</td>
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</tbody>
</table>

* 10 semesters and 6 intensive summer/winter sessions.

# Diploma fees for 36 credit points.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
UTS: HEALTH

nursing • sport and exercise management • sport and exercise science • pathway to PHDPE teaching • pathway to physiotherapy

> Gain a **globally relevant education** with an **excellent mix of practice and theory**. Develop the knowledge, skills and ethical behaviours that enable you to practice competently in a range of health care contexts.

> **Engage with the latest developments in industry.** Our courses are regularly updated to reflect changes in industry and are supported by health districts, government, health care agencies and sport and fitness associations.

> **Utilise the practical skills** you’ve developed with 800 hour clinical nursing placements and 210 hour sport and fitness industry internships.

> **Learn from expert staff.** As well as having a wealth of experience in industry, many are internationally renowned researchers, helping to shape current and future practice in health and fitness.

> **Access the most highly developed health facilities on the east coast of Australia,** which includes 16 state-of-the-art clinical practice labs. Set up to be just like modern hospital units, you can practise your skills on cutting-edge robotic patients and experience a huge range of scenarios in a no-risk environment.

> **Benefit from an international focus;** as a designated World Health Organization (WHO) Collaborating Centre for Nursing, Midwifery and Health Development, UTS forms part of an international collaborative network that undertakes projects supporting WHO objectives.

**IN 2014 UTS: HEALTH HAD:**

- 2580 undergraduate coursework students
- 670 international undergraduate coursework students

www.health.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

MICHELLE KELLY
Senior Lecturer; Director – Simulation and Technologies
Recipient of an Australian Learning and Teaching Council Citation award for ‘Outstanding Contributions to Student Learning’

“The Faculty of Health has state-of-the-art simulation and clinical practice laboratories at both campuses. Our learning is focused on real-life patient cases and contemporary workplace issues. UTS is especially innovative and I’m proud that we’ve included simulation across our current courses and in all years of the new Bachelor of Nursing curriculum.

I enjoy watching students engage with the simulation patients, seeing their satisfaction afterwards, and hearing how this makes a difference to their confidence, capability and clinical practice experiences.”

CLEIDI SINGER, BRAZIL
Bachelor of Nursing

“I have gained a lot of confidence through the classes in the labs, where we can practise all kinds of patient care. We also learn about the theory behind every case study in class, which will make a huge difference when caring for our patients. Our tutorials also focus on real-life scenarios, which prepare us really well for the workplace.

I really enjoyed the clinical placements, because UTS has very good partnerships with high-quality hospitals, which gives us the chance to practise all the theory we have learnt.”
**BACHELOR OF NURSING**

**COURSE DESCRIPTION**

The Bachelor of Nursing is designed to prepare students for the role of the registered nurse. The course incorporates a range of nursing subjects as well as behavioural science, physical science, ethics and professional subjects relevant to contemporary nursing practice. Graduates of the course are capable of delivering a high standard of confident, safe and therapeutic nursing care in a variety of health care settings. They demonstrate nursing care that is patient-centred, informed and responsible.

Clinical learning is a key element of the course with clinical placements in health care settings occurring in every semester. Learning technologies such as simulation, which is undertaken within the faculty’s clinical practice laboratories, assist students in preparing for clinical practice. Across the course students develop an e-portfolio to showcase their abilities and facilitate career planning. In the third year of the course students are able to pursue an area of nursing interest by choosing a clinical specialty elective.

**AREAS OF STUDY**

Nursing.

**SUB-MAJORS**

Nursing: In the final year of the program, students are able to pursue an area of nursing interest by choosing a clinical specialty elective.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assessment and Therapeutics in Health Care 1</td>
<td>Fundamentals of Mental Health Nursing</td>
<td>Complex Nursing Care: Medical Surgical</td>
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<tr>
<td></td>
<td>Workshops for Practice Readiness 1</td>
<td>Nursing Care of the Older Person</td>
<td>Complex Nursing Care: Mental Health</td>
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<tr>
<td></td>
<td>Understanding the Person: Life Transitions Health and Society</td>
<td>Medical Surgical Nursing</td>
<td>Accountability in Nursing Practice</td>
</tr>
<tr>
<td></td>
<td>Assessment and Therapeutics in Health Care 2</td>
<td>Family and Children’s Nursing</td>
<td>Pathophysiology and Pharmacology 3</td>
</tr>
<tr>
<td></td>
<td>Workshops for Practice Readiness 2</td>
<td>Contemporary Indigenous Health and Wellbeing</td>
<td>Integrated Nursing Concepts</td>
</tr>
<tr>
<td></td>
<td>Professional Identity</td>
<td>Pathophysiology and Pharmacology 1</td>
<td>Integrated Nursing Practice</td>
</tr>
<tr>
<td></td>
<td>Health and Homeostasis</td>
<td>Evidence for Nursing</td>
<td>Professionalism in Context</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pathophysiology and Pharmacology 2</td>
<td>Select 6 credit points from the following:</td>
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</tbody>
</table>

Select 6 credit points from the following:

- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Family and Child Health Nursing
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Women’s Health
- Introduction to Specialty Practice: Australian Indigenous Health Care
- Introduction to Specialty Practice: Aged Care Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Perioperative Nursing

**Accelerated, graduate entry**

<table>
<thead>
<tr>
<th>Year 1</th>
</tr>
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<tbody>
<tr>
<td>Health and Homeostasis</td>
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<tr>
<td>Health Assessment and Nursing Therapeutics</td>
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<tr>
<td>Medical Surgical Nursing (Graduate Entry)</td>
</tr>
<tr>
<td>Pathophysiology and Pharmacology 1</td>
</tr>
<tr>
<td>Health and Society</td>
</tr>
<tr>
<td>Understanding the Person: Life Transitions Health and Society</td>
</tr>
<tr>
<td>Fundamentals of Mental Health Nursing (Graduate Entry)</td>
</tr>
<tr>
<td>Workshops for Practice Readiness (Graduate Entry)</td>
</tr>
<tr>
<td>Evidence for Nursing</td>
</tr>
<tr>
<td>Pathophysiology and Pharmacology 2</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing Care of the Older Person</td>
</tr>
<tr>
<td>Contemporary Indigenous Health and Wellbeing</td>
</tr>
<tr>
<td>Pathophysiology and Pharmacology 3</td>
</tr>
<tr>
<td>Complex Nursing Care: Medical Surgical</td>
</tr>
<tr>
<td>Accountability in Nursing Practice</td>
</tr>
<tr>
<td>Complex Nursing Care: Mental Health</td>
</tr>
<tr>
<td>Integrated Nursing Concepts</td>
</tr>
<tr>
<td>Family and Children’s Nursing</td>
</tr>
<tr>
<td>Integrated Nursing Concepts</td>
</tr>
<tr>
<td>Professionalism in Context</td>
</tr>
</tbody>
</table>
**Accelerated, enrolled nurse entry 1**

**Year 1**
- Health and Homeostasis
- Role Transition and Professional Identity
- Medical Surgical Nursing
- Pathophysiology and Pharmacology 1
- Health and Society
- Fundamentals of Mental Health Nursing (Enrolled Nurse Entry 1)
- Evidence for Nursing
- Family and Children’s Nursing
- Pathophysiology and Pharmacology 2

**Year 2**
- Nursing Care of the Older Person
- Contemporary Indigenous Health and Wellbeing
- Pathophysiology and Pharmacology 3
- Complex Nursing Care: Mental Health
- Accountability in Nursing Practice
- Complex Nursing Care: Medical Surgical
- Integrated Nursing Practice
- Integrated Nursing Concepts
- Professionalism in Context

Select 6 credit points from the following:
- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Family and Child Health Nursing
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Women’s Health
- Introduction to Specialty Practice: Australian Indigenous Health Care
- Introduction to Specialty Practice: Aged Care Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Perioperative Nursing

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**Accelerated, enrolled nurse entry 2**

**Year 1**
- Role Transition and Professional Identity
- Medical Surgical Nursing
- Pathophysiology and Pharmacology 1
- Health and Society
- Contemporary Indigenous Health and Wellbeing
- Evidence for Nursing
- Family and Children’s Nursing
- Pathophysiology and Pharmacology 2

**Year 2**
- Pathophysiology and Pharmacology 3
- Complex Nursing Care: Mental Health
- Accountability in Nursing Practice
- Complex Nursing Care: Medical Surgical
- Integrated Nursing Practice
- Integrated Nursing Concepts
- Professionalism in Context

Select 6 credit points from the following:
- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Family and Child Health Nursing
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Women’s Health
- Introduction to Specialty Practice: Australian Indigenous Health Care
- Introduction to Specialty Practice: Aged Care Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Perioperative Nursing

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**PROFESSIONAL RECOGNITION**

Nursing and Midwifery Board of Australia. See the faculty rules for more information.

**CAREER OPPORTUNITIES**

Career options for registered nurses include working in diverse specialty areas such as community health, critical care, intensive care, aged care, mental health, operating theatres and paediatrics. Career progression opportunities include working as a clinical nurse consultant, clinical nurse specialist, nurse educator, nurse manager, nurse practitioner or rural and remote practice nurse.

* Bachelor of Nursing is currently being reviewed so subject names will be different in 2016. For more information contact the Faculty of Health.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
**PRIOR STUDY**

The accelerated program has the following requirements.

- **606005 (Bachelor of Nursing Accelerated: Graduate Entry):** applicants who have successfully completed an Australian (or overseas equivalent) bachelor’s degree in health, human bioscience, or social science within eight years prior to entry are eligible to apply. Successful applicants are given advanced standing (four subjects = 24 credit points) for their previous studies and are able to complete the course in two calendar years full time, inclusive of pre-semester and summer subjects. Successful completion of the four-week, pre-semester subject in January/February 2016 is required before proceeding to the Bachelor of Nursing: Accelerated Graduate Entry course. Students who receive block credit of 24 credit points are not eligible for any further credit reduction against their course of study.

- **606004 (Bachelor of Nursing Accelerated: Enrolled Nurse Certificate or Diploma Entry):** applicants must have completed and commenced their studies in or after 2008 in either:
  - the TAFE Certificate IV in Nursing (Enrolled/Division 2 Nursing) or the TAFE Diploma/Advanced Diploma of Nursing (Enrolled/Division 2 Nursing), or
  - an Australian Health Practitioners Regulation Agency (AHPRA) approved Certificate IV in Nursing (Enrolled/Division 2 Nursing) or Diploma/Advanced Diploma of Nursing (Enrolled/Division 2 Nursing) leading to eligibility to enrol as a nurse with AHPRA.

Hospital-trained enrolled nurses are not eligible for the accelerated course. Successful applicants are given advanced standing (eight subjects = 48 credit points) for their previous studies and are able to complete the course in two calendar years full time with no pre-semester or summer schools. Students who receive block credit of 48 credit points are not eligible for any further credit reduction against their course of study.

All applicants to the accelerated programs must have completed their TAFE qualification or bachelor’s degree by December 2014. Entry to the accelerated programs is competitive and each application is assessed individually.

**Individual subject credit recognition**

Applicants for 606001 and 606002 who have completed a partial Bachelor of Nursing qualification at another institution may apply for credit recognition on an individual basis. Faculty requirements are available for download at:


**BACHELOR OF SPORT AND EXERCISE MANAGEMENT**

**Course code:** C10301  
**CRICOS code:** 080086D  
**Course duration:** 3 years  
**Number of credit points:** 144  
**Intake:** March  
**Location:** City  
**Fees:** AU$13,420 per semester (see page 136 for further fees information)

**Academic and additional requirements:**  
See page 130  
**English language requirements:**  
See page 131

**Course description**

This course develops graduates who possess a sound knowledge of the biophysical, behavioural and sociocultural foundations of sport and exercise, combined with the management skills and knowledge increasingly necessary in sport and exercise professions.

As the sport and exercise industry has undergone a period of substantial growth, the need for professionals with management skills and qualifications has become increasingly important. Graduates are equipped with the professional knowledge and skills to operate in one of Australia’s most dynamic industries.

**Areas of study**

Sport and exercise, management.

**Course structure**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural Anatomy</td>
<td>Exercise Physiology</td>
<td>Complex Exercise Management</td>
</tr>
<tr>
<td>Biomechanics of Human Motion</td>
<td>Sport and Exercise Psychology</td>
<td>Select 12 credit points of electives</td>
</tr>
<tr>
<td>Managing People and Organisations</td>
<td>Research Methods for Sport and Exercise</td>
<td>Professional Internship</td>
</tr>
<tr>
<td>Sport and Society</td>
<td>Managing Professional Sport</td>
<td>Select 12 credit points of electives</td>
</tr>
<tr>
<td>Functional Anatomy</td>
<td>Exercise Prescription</td>
<td>Sport Marketing and Media</td>
</tr>
<tr>
<td>Strength and Conditioning</td>
<td>Nutrition for Health and Physical Activity</td>
<td>Law and Ethics for Managers</td>
</tr>
<tr>
<td>Accounting for Business Decisions A</td>
<td>Marketing Foundations</td>
<td></td>
</tr>
<tr>
<td>The Organisation of Australian Sport</td>
<td>Event Management</td>
<td></td>
</tr>
</tbody>
</table>

**Career opportunities**

Career options include athlete management, corporate health and fitness, fitness consultant, health promotion, sport development manager, sport event manager, sport marketing, sport policy, sport scientist, sport venue manager.
The Bachelor of Sport and Exercise Science meets the demand for professionals able to provide physical activity services to all sectors of the community. The course provides students with a strong understanding of the processes and mechanisms underlying sport and exercise science, and with the knowledge and skills necessary to manage and plan sport and exercise activities in health, exercise rehabilitation, sport, event and education contexts.

Students who complete this course with the Health and Physical Education major (HPE) are eligible for direct entry into the Master of Teaching in Secondary Education (CD4255) offered by UTS: Education (from 2015). This course is formally accredited with the Board of Studies, Teaching and Educational Standards (BOSTES) and provides HPE students with the opportunity to complete an undergraduate and postgraduate degree.

**AREAS OF STUDY**

Sport and exercise, health.

**COURSE STRUCTURE**

**Exercise Science major**

**Year 1**
- Structural Anatomy
- Biomechanics of Human Motion
- Physiological Bases of Human Movement
- Sport and Society
- Functional Anatomy
- Strength and Conditioning
- Health and Lifespan Development
- The Organisation of Australian Sport

**Year 2**
- Exercise Physiology
- Contemporary Health Issues
- Sport and Exercise Psychology
- Research Methods for Sport and Exercise
- Applied Biomechanics
- Exercise Prescription
- Health Promotion
- Nutrition for Health and Physical Activity

**Year 3**
- Sport and Exercise Science Practicum
- Complex Exercise Management
- Motor Learning and Control
- Select 6 credit points of electives
- Skill Acquisition
- Applied Exercise Physiology
- Exercise Rehabilitation
- Select 6 credit points of electives

**Health and Physical Education major**

**Year 1**
- Structural Anatomy
- Biomechanics of Human Motion
- Physiological Bases of Human Movement
- Sport and Society
- Functional Anatomy
- Strength and Conditioning
- Health and Lifespan Development
- The Organisation of Australian Sport

**Year 2**
- Exercise Physiology
- Contemporary Health Issues
- Sport and Exercise Psychology
- Research Methods for Sport and Exercise
- Applied Biomechanics
- Exercise Prescription
- Health Promotion
- Nutrition for Health and Physical Activity

**Year 3**
- Complex Exercise Management
- Select 6 credit points of electives
- Performance Studies 1: Gymnastics and Dance
- Performance Studies 2: Dance and Athletics
- Skill Acquisition
- Applied Exercise Physiology
- Select 6 credit points of electives
- Performance Studies 3: Sport and Aquatics

**No specified major**

**Year 1**
- Structural Anatomy
- Biomechanics of Human Motion
- Physiological Bases of Human Movement
- Sport and Society
- Functional Anatomy
- Strength and Conditioning
- Health and Lifespan Development
- The Organisation of Australian Sport

**Year 2**
- Exercise Physiology
- Contemporary Health Issues
- Sport and Exercise Psychology
- Research Methods for Sport and Exercise
- Applied Biomechanics
- Exercise Prescription
- Health Promotion
- Nutrition for Health and Physical Activity

**Year 3**
- Sport and Exercise Science Practicum
- Complex Exercise Management
- Select 12 credit points of electives
- Applied Exercise Physiology
- Skill Acquisition
- Select 24 credit points of electives

**PROFESSIONAL RECOGNITION**

NSW Department of Education and Training (for those students who go on to complete the Master of Teaching in Secondary Education).

**CAREER OPPORTUNITIES**

Career options include sport and exercise science; corporate health and wellbeing; strength and conditioning; personal training; physiotherapy (pathway); exercise rehabilitation; sports coaching; teaching; health and physical education (HPE); outdoor education; and facility management.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

Course code: C10300
CRICOS code: 080087C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$13,420 per semester [see page 136 for further fees information]

Academic and additional requirements:
- See page 130

English language requirements:
- See page 131
HONOURS DEGREES

Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
</tr>
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<tbody>
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<td>2</td>
<td>A$14,140</td>
<td>March, July*</td>
<td>City</td>
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COMBINED DEGREES

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<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
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<tbody>
<tr>
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<td>C10302</td>
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</tr>
<tr>
<td>C10328</td>
<td>Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>A$13,420</td>
<td>March</td>
<td>City</td>
<td>079758A</td>
</tr>
</tbody>
</table>

** Early commencement.
* Mid-year (July) intake may be considered on a case-by-case basis by the faculty.
* 8 semesters and 6 intensive summer/winter sessions.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
UTS: INFORMATION TECHNOLOGY

animation • business information systems management • computer graphics • data analytics • enterprise systems development • games development • internetworking and applications • network security • professional practice

> Join a top-ranked international program. UTS ranks in the top 150 for Computer Science in the Academic Ranking of World Universities (ARWU) 2014. In the 2014 QS World University Subject Rankings, UTS: Information Technology ranked in the top 150 for Computer Science and Information Systems.

> UTS: Information Technology is a leader in practice-based IT education in Australia, actively engaging with industry and producing work-ready graduates.

> Earn an industry-relevant qualification regularly reviewed by an industry advisory committee.

> Build on your business and technical skills, strengthen your teamwork skills and discover how to use IT to solve business problems.

> Develop your practical skills with a minimum of nine months of work experience as part of the Diploma in Information Technology Professional Practice.

> Study in our new state-of-the-art Engineering and IT Building. The technology-rich building features a 3D data visualisation arena and Disruptive Design Lab – spaces which foster interaction between students, teachers and researchers. Collaborative theatres and classrooms are designed to encourage creative thinking and communication.

> Access the latest technology, with well-equipped PC labs and specialist labs for internetworking fully resourced by Cisco Systems, games and computer graphics. Our new Software Development Studio supports students to become professionally competent through industry collaborations.

> Experience research-inspired learning, with course content that is constantly updated and informed by UTS’s ground-breaking research, relevant to today’s world.

> Fast-track your preparation for Cisco industry certification by studying at UTS, a Cisco Networking Academy.

> Connect with a creative environment that stimulates student success; UTS: Information Technology graduates have worked on the Academy Award-winning Happy Feet, as well as Avatar, King Kong and The Matrix.

IN 2014 UTS: ENGINEERING & IT HAD:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate coursework students</td>
<td>5600</td>
</tr>
<tr>
<td>International undergraduate coursework students</td>
<td>1145</td>
</tr>
<tr>
<td>Students go overseas on global exchange</td>
<td>55</td>
</tr>
</tbody>
</table>

> Accelerate your studies – ask about our pathway programs and the credit recognition options available.

Scholarship opportunities

The Information Technology International Undergraduate Excellence Scholarships, are a 35% tuition fee waiver for one semester of full-time study, offered to international students commencing either the Bachelor of Science in Information Technology or the Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice, and who meet the eligibility criteria.

www.it.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

ALINA VAN, RUSSIA
Bachelor of Science in Information Technology
Software developer/business analyst at WiseTech Global

“I loved the fact that I was able to shape the course to suit my personal preferences. I wanted to focus on software development, yet also get an understanding of all aspects of IT. My course covered a lot of things and this has definitely played a huge role in being able to secure a role that I was interested in and can perform well in.

Another important aspect to highlight is the ethical underpinning of IT education at UTS. I found it very valuable, as we were taught about the impact of our actions on society as IT professionals.”

RICHARD WHITE
WiseTech Global
CEO and Founder

“WiseTech Global has partnered with UTS for 14 years to help source talent and grow our business. UTS: IT students bring passion, ability, intelligence and hard work during their internships and have contributed to the delivery of real systems for real world needs. Many of these students have gone on to become valued graduates with us. As we consider our IPO options, which others have speculated may be a $1 Billion+ valuation, I note the considerable impact UTS: IT students and graduates have had on our results.”
### BACHELOR OF SCIENCE IN GAMES DEVELOPMENT

**Course Description**
This course offers a sound education in all aspects of information technology and develops the diverse skills necessary for a career in computer games development.

Students gain enhanced work-ready expertise in games development; practical problem-solving skills based on leading-edge IT theory; communication skills in a variety of forms including written, verbal, online and technical literacies; and an awareness of the principles of ethics and corporate governance in a variety of settings.

**Areas of Study**
Computing and IT fundamentals, graphics, game design, animation, software engineering and systems development.

**Sub-Majors**
Business information systems management, enterprise systems development, internetworking and applications, data analytics, accounting for small business, advertising principles, business accounting, electronics and computer interfacing, employment relations, innovation, international management, international studies, introductory economics, language other than English (LOTE), marketing principles, physics, quantitative management, scientific computing, specialist country studies, statistical modelling, Network Security, The Academic English Program.

**Course Structure**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Systems</td>
<td>Introduction to Computer Graphics</td>
<td>Project Management and the Professional Game Design Studio 1</td>
</tr>
<tr>
<td>Communication for IT Professionals</td>
<td>Database Fundamentals</td>
<td>Select 6 credit points from the following:</td>
</tr>
<tr>
<td>Introduction to Information Systems</td>
<td>Introduction to Computer Game Design</td>
<td>3D Computer Animation</td>
</tr>
<tr>
<td>Programming Fundamentals</td>
<td>Select 6 credit points from the following:</td>
<td>Data Structures and Algorithms</td>
</tr>
<tr>
<td>Business Requirements Modelling</td>
<td>Computer Graphics Rendering Techniques</td>
<td>Human-Computer Interaction</td>
</tr>
<tr>
<td>Applications Programming</td>
<td>Introduction to Computer Game Programming</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>Networking Essentials</td>
<td>Programming</td>
<td>Game Design Studio 2</td>
</tr>
<tr>
<td>Digital Multimedia</td>
<td>Programming for Special Effects</td>
<td>Select 18 credit points of electives</td>
</tr>
<tr>
<td></td>
<td>Select 18 credit points of electives</td>
<td></td>
</tr>
</tbody>
</table>

**Professional Recognition**
Graduates are eligible for professional-level membership of the Australian Computer Society.

**Career Opportunities**
Career options include computer animation/graphics specialist, and computer game designer/developer, systems analyst, analyst/programmer, IT project manager, software developer, software engineer or web developer.

### BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

**Course Description**
This course offers a sound education in all aspects of computing and information technology for students who intend to make a career in the profession, as well as providing a pathway to honours, postgraduate study or a research career.

This course adopts a practice-based approach to IT education and the course content is a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in business analysis, problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real IT problems.

**Areas of Study**
Business information systems management, enterprise systems development, internetworking and applications, data analytics.

**Majors**
Business information systems management, enterprise systems development, internetworking and applications, data analytics.

**Sub-Majors**
Business information systems management, computer graphics and animation, data analytics, enterprise systems development, internetworking and applications, accounting for small business, advertising principles, business accounting, electronics and computer interfacing, employment relations, innovation, international management, international studies, introductory economics, language other than English (LOTE), marketing principles, physics, quantitative management, scientific computing, specialist country studies, statistical modelling, Introductory Finance, Network Security, The Academic English Program.
### COURSE STRUCTURE

#### Business Information Systems Management major

**Year 1**
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Collaborative Business Processes
- Select 6 credit points of electives

**Year 2**
- Database Fundamentals
- Information System Development Methodologies
- Finance and IT
- Select 6 credit points of electives
- Innovations for Global Relationship Management
- Networked Enterprise Architecture
- Select 12 credit points of electives

**Year 3**
- Project Management and the Professional Business Process and IT Strategy
- Select 12 credit points of electives
- Strategic IT Project
- Select 6 credit points from the following:
  - Systems Testing and Quality Management
  - IT Operations Management
  - Entrepreneurship and Commercialisation
  - Select 12 credit points of electives

#### Enterprise Systems Development major

**Year 1**
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Applications Programming
- Select 6 credit points of electives

**Year 2**
- Database Fundamentals
- Data Structures and Algorithms
- Interface Design
- Select 6 credit points of electives
- Software Engineering Practice
- Systems Development Project
- Select 6 credit points of electives

**Year 3**
- Project Management and the Professional
- Select 6 credit points from the following:
  - Web Services Development
  - Database Programming
  - Enterprise Development with .NET
  - Human-Computer Interaction
  - Cloud Computing and Software as a Service
  - Mobile Applications Development
  - Select 12 credit points of electives
  - Select 6 credit points from the following:
    - Web Services Development
    - Software Architecture
    - Extreme Programming
    - Application Development with .NET
    - Object-relational Databases
    - Advanced Internet Programming
    - Cloud-based Enterprise Application Development
    - Mobile Applications Development
    - Application Development in the iOS
    - Environment
    - Select 18 credit points of electives

#### Internetworking and Applications major

**Year 1**
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Select 12 credit points of electives

**Year 2**
- Database Fundamentals
- Routing and Internetworks
- Fundamentals of Security
- Select 6 credit points of electives
- Web Services Development
- Mobile Networking
- Network Design
- Select 6 credit points of electives

**Year 3**
- Project Management and the Professional
- Select 6 credit points from the following:
  - WANs and Virtual LANs
  - Applications Programming
  - e-Commerce
  - Network Management
  - Programming on the Internet
  - Mobile Applications Development
  - Digital Forensics
  - Network Security
  - Select 12 credit points of electives
  - Internetworking Project
  - Select 6 credit points from the following:
    - WANs and Virtual LANs
    - Mobile Applications Development
    - Advanced Internet Programming
    - Network Servers
    - Applying Network Security
    - Cloud Computing Infrastructure
    - Application Development in the iOS
    - Environment
    - Network Security
    - Mobile Computing Project
    - Select 12 credit points of electives

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The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
### Data Analytics major

#### Year 1
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Select 12 credit points of electives

#### Year 2
- Database Fundamentals
- Introduction to Data Analytics
- Introduction to Data Analysis
- Select 6 credit points of electives
- Introduction to Linear Dynamical Systems
- Select 6 credit points from the following:
  - Image Processing and Pattern Recognition
  - Advanced Data Analytics
  - Object-relational Databases
  - Intelligent Agents
  - Select 12 credit points of electives

#### Year 3
- Project Management and the Professional Analytics Capstone Project
- Select 6 credit points from the following:
  - e-Business Trading
  - Programming with Patterns
  - Database Programming
- Select 6 credit points of electives
- Select 12 credit points from the following:
  - Analytics Capstone Project B
  - Intelligent Agents
  - Advanced Data Analytics
  - Object-relational Databases
  - Image Processing and Pattern Recognition
  - Select 12 credit points of electives

### PROFESSIONAL RECOGNITION
Graduates are eligible for professional-level membership of the Australian Computer Society.

### CAREER OPPORTUNITIES
Career options include business analyst, IT project manager, network specialist, software developer, systems analyst or web developer.

### BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY DIPLOMA IN INFORMATION TECHNOLOGY PROFESSIONAL PRACTICE

#### COURSE DESCRIPTION
This course offers a sound education in all aspects of computing and information technology for students who intend to make a career in the profession, as well as providing a pathway to honours, postgraduate study and a research career.

The course adopts a practice-based approach to IT education. Its content is designed with a mix of theory and practice. As well as gaining strong technical skills in IT, students gain skills in problem solving, teamwork and communication. Employers look for graduates with industry experience and, in this course, students are exposed to real IT problems and apply classroom learning on the job through the Diploma in Information Technology Professional Practice.

#### AREAS OF STUDY
- Business information systems management
- Enterprise systems development
- Internetworking and applications
- Data analytics

#### MAJORS
- Business information systems management
- Enterprise systems development
- Internetworking and applications
- Data analytics

#### SUB-MAJORS
- Business information systems management
- Computer graphics and animation
- Data analytics
- Enterprise systems development
- Internetworking and applications
- Accounting for small business
- Advertising principles
- Business accounting
- Electronics and computer interfacing
- Employment relations
- Innovation
- International management
- International studies
- Introductory economics
- Language other than English
- Marketing principles
- Physics
- Quantitative management
- Scientific computing
- Specialist country studies
- Statistical modelling
- Introductory Finance
- Network Security
- The Academic English Program

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each. Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
# COURSE STRUCTURE

## Business Information Systems Management major

### Year 1
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Collaborative Business Processes
- Select 6 credit points of options

### Year 2
- Database Fundamentals
- Information System Development Methodologies
- Finance and IT
- Select 6 credit points of options
- Innovations for Global Relationship Management
- Networked Enterprise Architecture
- Select 12 credit points of options

### Year 3
- Career Management for IT Professionals
- IT Professional Experience 1
- Work Integrated Learning 1
- IT Professional Experience 2
- Work Integrated Learning 2
- IT Professional Experience 3
- Work Integrated Learning 3
- IT Professional Experience 4
- Work Integrated Learning 4
- IT Experience Reflection

### Year 4
- Business Process and IT Strategy
- Project Management and the Professional
- Select 12 credit points of options
- Strategic IT Project
- Select 6 credit points from the following:
  - IT Operations Management
  - Systems Testing and Quality Management
  - Entrepreneurship and Commercialisation
- Select 12 credit points of options

## Data Analytics major

### Year 1
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Select 12 credit points of options

### Year 2
- Database Fundamentals
- Introduction to Data Analytics
- Select 6 credit points of options
- Select 6 credit points from the following:
  - Advanced Data Analytics
  - Object-relational Databases
  - Image Processing and Pattern Recognition
  - Intelligent Agents
- Select 12 credit points of options

### Year 3
- Career Management for IT Professionals
- IT Professional Experience 1
- Work Integrated Learning 1
- IT Professional Experience 2
- Work Integrated Learning 2
- IT Professional Experience 3
- Work Integrated Learning 3
- IT Professional Experience 4
- Work Integrated Learning 4
- IT Experience Reflection

### Year 4
- Project Management and the Professional Analytics Capstone Project
- Select 6 credit points from the following:
  - e-Business Trading Programming with Patterns
  - Database Programming
- Select 6 credit points of options
- Select 12 credit points from the following:
  - Advanced Data Analytics
  - Object-relational Databases
  - Analytics Capstone Project B
  - Image Processing and Pattern Recognition
  - Intelligent Agents
- Select 12 credit points of options

## Enterprise Systems Development major

### Year 1
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements Modelling
- Networking Essentials
- Applications Programming
- Select 6 credit points of options

### Year 2
- Database Fundamentals
- Data Structures and Algorithms
- Interface Design
- Select 6 credit points of options
- Software Engineering Practice
- Systems Development Project
- Select 6 credit points of options

### Year 3
- Career Management for IT Professionals
- IT Professional Experience 1
- Work Integrated Learning 1
- IT Professional Experience 2
- Work Integrated Learning 2
- IT Professional Experience 3
- Work Integrated Learning 3
- IT Professional Experience 4
- Work Integrated Learning 4
- IT Experience Reflection

### Year 4
- Project Management and the Professional
- Select 6 credit points from the following:
  - Enterprise Development with .NET
  - Database Programming
  - Web Services Development
  - Mobile Applications Development
  - Human-Computer Interaction
  - Cloud Computing and Software as a Service
- Select 12 credit points of options
- Select 6 credit points from the following:
  - Object-relational Databases
  - Advanced Internet Programming
  - Web Services Development
  - Mobile Applications Development
  - Extreme Programming
  - Application Development with .NET
  - Cloud-based Enterprise Application Development
  - Application Development in the IOS Environment
  - Software Architecture
- Select 18 credit points of options
Internetworking and Applications major

**Year 1**
- Communication for IT Professionals
- Introduction to Information Systems
- Programming Fundamentals
- Web Systems
- Business Requirements
- Modelling
- Networking Essentials
- Select 12 credit points of options

**Year 2**
- Database Fundamentals
- Routing and Internetworks Fundamentals of Security
- Select 6 credit points of options
- Web Services Development
- Mobile Networking
- Network Design
- Select 6 credit points of options

**Year 3**
- Career Management for IT Professionals
- IT Professional Experience 1
- Work Integrated Learning 1
- IT Professional Experience 2
- Work Integrated Learning 2
- IT Professional Experience 3
- Work Integrated Learning 3
- IT Professional Experience 4
- Work Integrated Learning 4
- IT Experience Reflection

**Year 4**
- Project Management and the Professional
- Select 6 credit points from the following:
  - e-Commerce
  - Network Management
  - WANs and Virtual LANs
  - Mobile Applications Development
  - Programming on the Internet
  - Applications Programming
  - Digital Forensics
  - Network Security
- Select 12 credit points of options
- Internetworking Project
- Select 6 credit points from the following:
  - Mobile Computing Project
  - Advanced Internet Programming
  - WANs and Virtual LANs
  - Mobile Applications Development
  - Network Servers
  - Application Development in the iOS Environment
  - Applying Network Security
  - Cloud Computing Infrastructure
  - Network Security
- Select 12 credit points of options

**PROFESSIONAL RECOGNITION**
Graduates are eligible for professional-level membership of the Australian Computer Society.

**CAREER OPPORTUNITIES**
Career options include ICT business analyst, analyst/programmer, IT project manager, network specialist, software developer, software engineer, systems analyst or web developer.

**HONOURS DEGREES**
Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
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</thead>
<tbody>
<tr>
<td>C09019</td>
<td>Bachelor of Science (Honours) in Information Technology</td>
<td>2</td>
<td>$15,740</td>
<td>March, July</td>
<td>City</td>
<td>046619G</td>
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</table>

**COMBINED DEGREES**

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<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10219</td>
<td>Bachelor of Business Bachelor of Science in Information Technology</td>
<td>8</td>
<td>$15,740</td>
<td>March, July</td>
<td>City</td>
<td>047835B</td>
</tr>
<tr>
<td>C10239</td>
<td>Bachelor of Science in Information Technology Bachelor of Arts in International Studies</td>
<td>10</td>
<td>$15,740</td>
<td>March</td>
<td>City</td>
<td>059726G</td>
</tr>
<tr>
<td>C10327</td>
<td>Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation</td>
<td>8*</td>
<td>$15,740</td>
<td>March</td>
<td>City</td>
<td>079757B</td>
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<tr>
<td>C10245</td>
<td>Bachelor of Science in Information Technology Bachelor of Laws</td>
<td>10</td>
<td>$17,580</td>
<td>March, July</td>
<td>City</td>
<td>064382G</td>
</tr>
</tbody>
</table>

* 8 semesters + 4 intensive summer/winter sessions.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses marked with an icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
Choose **International Studies** to:

> Combine the study of a country, its language and culture with a degree in another professional study area.

> **Learn practical language skills** in Chinese, French, German, Italian, Japanese or Spanish, from beginner to advanced levels.

> **Study for a year in your chosen country** and language of specialisation as part of your degree and immerse yourself in the language and culture.

> **Enhance your employability internationally** through a deeper learning of the elements of language, cultural understanding and international experience.

Choose **Global Studies** to:

> **Learn about the global political, economic and cultural processes**, institutions and theories involved in the area of your professional major.

> **Choose from four majors**, including: business studies, communication, management studies or legal studies.

> **Gain real-world experience** by completing an industry placement within a globally oriented organisation.

> **Equip yourself to work in globally oriented businesses**, the diplomatic service and public sector agencies or organisations.

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**UTS: INTERNATIONAL STUDIES**

International Studies plays a key role in the internationalisation of the UTS teaching and learning experience across the university. UTS was the first university in Australia to offer International Studies as part of a combined degree with a focus on language and culture and in-country study.

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**IN 2014 UTS: ARTS AND SOCIAL SCIENCES**

- **3330** undergraduate coursework students
- **170** international undergraduate coursework students
- **230** students go overseas for In-Country Study

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www.internationalstudies.uts.edu.au/future
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

CLAUDIA CIMINO
Bachelor of Education in Primary Education and Bachelor of Arts in International Studies (Italy)

“Making the decision to study abroad in Italy wasn’t easy, but missing out on such an experience would be much harder. It was a year and experience I will cherish forever and miss every day, from the travel adventures, to the people I met, the food I ate and the things I learnt. Studying in Bologna, one of Europe’s oldest university cities is a place that provided me with invaluable knowledge, both from university and living there and I thank UTS for providing this year and supporting me throughout.”
### Course Description

This degree focuses on learning about global political, economic and cultural processes, institutions and theories. Students are able to draw connections between these global phenomena and concrete local practices in work and life, seeing the different opportunities and constraints that exist for different groups of people. The course requires students to engage in complex problem-solving regarding global phenomena from different perspectives. Students who wish to may study overseas as exchange as part of their degree (after their first year). Students may also study languages other than English and study about particular countries. In addition, students take a professional studies major, gaining some training in the areas of management studies, business studies, legal studies or communication.

This course prepares graduates for careers and contributions in a world of social and cultural diversity being transformed by globalisation, allowing students to draw connections between global phenomena and local practices in work and life.

### Areas of Study

Globalisation in international politics, history, the business world, non-governmental organisations.

### Majors

Business studies, communication, management studies, legal studies.

### Sub-Majors

Language other than English (LOTE); specialist country studies; communication; transnational studies; reading Australia; environmental studies; Aboriginal studies; media studies; screen studies; bodies, genders, rights.

### Course Structure

#### Typical full-time program

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Histories</td>
<td>Global Governance</td>
<td>Global Work Project</td>
</tr>
<tr>
<td>Select 18 credit points of options</td>
<td>Select 18 credit points of options</td>
<td>Select 18 credit points of options</td>
</tr>
<tr>
<td>Global Work</td>
<td>Select 24 credit points of options</td>
<td></td>
</tr>
<tr>
<td>Global Governance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Global Politics from Above and Below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 12 credit points of options</td>
<td></td>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### Typical full-time program with exchange semester

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Histories</td>
<td>Global Governance</td>
<td>Global Work Project</td>
</tr>
<tr>
<td>Select 18 credit points of options</td>
<td>Select 18 credit points of options</td>
<td>Select 18 credit points of options</td>
</tr>
<tr>
<td>Global Work</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>Global Politics from Above and Below</td>
<td>Exchange electives</td>
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</tr>
<tr>
<td>Select 12 credit points of options</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### CAREER OPPORTUNITIES

Career options include international advisory and management positions in governmental organisations such as foreign affairs or the UN, non-governmental agencies, and companies that operate globally.

### Combined Degrees

UTS: International Studies also offers a Bachelor of Arts in International Studies packaged as a combined degree with bachelor’s degrees from Business; Communication; Design, Architecture and Building; Education; Engineering; Health; Information Technology; Law; and Science. The duration of these combined degrees is either 5 or 6 years depending on the degree chosen. For more information, refer to the listing in the relevant partner study area.

The Bachelor of Arts in International Studies cannot be combined with the Bachelor of Global Studies.

**Academic and additional requirements:** See page 130

**English language requirements:** See page 131
Join a top-ranked program. In the 2014 QS World University Subject Rankings, UTS: Law was ranked in the top 150 in Law.

Gain an internationally recognised, practical and professionally relevant qualification. Paired with local admission requirements, our Bachelor of Laws (LLB) allows graduates to practise in jurisdictions such as Sydney, London, Paris, Bangkok, Singapore, Dubai, Tokyo, Delhi, Moscow, Beijing and Hong Kong.

Complete 80 days’ practical experience in a legal environment with the Practical Legal Training option. UTS is the only university to offer an accredited Practical Legal Training Program in Sydney.

Enhance your personal and professional leadership skills through our award winning Brennan Justice and Leadership Program.

Connect with influential members of the legal profession via the High Achievers Mentoring program.

Participate in fully funded national and international mooting competitions, as well as many other competitions designed to develop legal skills.

Develop global work-ready skills. Graduate attributes are embedded in all law subjects, preparing you to thrive and succeed in today’s rapidly changing legal profession.

Study in modern dedicated law facilities, which include our purpose-built simulated court facilities, wi-fi enabled learning commons and state-of-the-art group work spaces.

Active Law Students’ Society which holds social events and runs legal competitions like mooting, witness examination, and client interviewing.

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All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

ANTHONY SOMMER
Bachelor of Laws

“The first-rate analysis and research skills developed during my law studies are indispensable tools for a career and not only confined to the law. My recurrent exposure to critical inquiry throughout the UTS Law program are readily transferable to any career and are undoubtedly prized traits in any pursuit. I have worked in the public and private legal sectors during my studies at UTS. I have worked in a court registry, as well as for magistrates and judges at the law courts.”

HANNAH REID
Bachelor of Laws Bachelor of Arts in Communication (Social Inquiry)

“Through the Brennan Program I have been able to get involved in work experience with the Cancer Council Legal Referral Service which has been absolutely invaluable. There’s a lot going on at UTS that you can get involved with to set you apart when it finally comes to applying for jobs in the real world, such as the Brennan Program. Apart from extracurricular activities, I have found that the balance of social inquiry and law subjects has been perfect in terms of learning a mix of practical and theoretical skills. Most subjects have a clear practical focus and are specifically designed to prepare you for real-life work problems.”
**BACHELOR OF LAWS**

**COURSE DESCRIPTION**
This course teaches students foundational knowledge and skills in law and its practice. UTS: Law graduates are increasingly in demand in the legal profession and the business sector in a wide range of roles and responsibilities. Today's law graduates are called upon to advise and counsel parties, act as negotiators, manage project teams and resolve disputes.

This course provides full-time study for students wishing to obtain a professional legal qualification that satisfies the requirements for admission as a lawyer.

Students have the opportunity to engage in deeper study of the law by undertaking a number of law options and incorporate a broad variety of other disciplines by enrolling in options from other faculties.

**AREAS OF STUDY**
Commercial law, corporate law, criminal law, contracts, dispute resolution, employment law, environmental law, family law, finance and banking law, health and medical law, human rights, industrial law, intellectual property, international law, legal theory, torts, indigenous, justice studies.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Law</td>
<td>Real Property</td>
<td>Public International Law</td>
<td>Select 24 credit points from the following:</td>
</tr>
<tr>
<td>Ethics Law and Justice</td>
<td>Civil Practice</td>
<td>Select 18 credit points from the following:</td>
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</tr>
<tr>
<td>Criminal Law and Procedure</td>
<td>Commercial Law</td>
<td>CBK90922 Options</td>
<td>CBK90390 Options</td>
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<tr>
<td>Contracts</td>
<td>Remedies</td>
<td>Corporate Law</td>
<td>Practical Experience</td>
</tr>
<tr>
<td>Torts</td>
<td>Equity and Trusts</td>
<td>Select 6 credit points from the following:</td>
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<tr>
<td>Australian Constitutional Law</td>
<td>Administrative Law</td>
<td>Jurisprudence</td>
<td>Transactional Practice</td>
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</tbody>
</table>

**PROFESSIONAL RECOGNITION**
This course satisfies the requirements for admission to the Supreme Court of NSW as a lawyer provided students undertake the optional practical legal training program as part of the course.

**CAREER OPPORTUNITIES**
Career options include lawyer or legal policy adviser within a government or corporate department, private law firm or community law centre, or negotiating treaties or work in legislation drafting.
**COMBINED DEGREES**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
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<tbody>
<tr>
<td>C10313</td>
<td>Bachelor of Arts in Communication (Creative Writing) Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>079559G</td>
</tr>
<tr>
<td>C10316</td>
<td>Bachelor of Arts in Communication (Digital and Social Media) Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>079563A</td>
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<tr>
<td>C10258</td>
<td>Bachelor of Arts in Communication (Journalism) Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>030572D</td>
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<tr>
<td>C10259</td>
<td>Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Laws</td>
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<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>030573C</td>
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<tr>
<td>C10261</td>
<td>Bachelor of Arts in Communication (Public Communication) Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
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<tr>
<td>C10260</td>
<td>Bachelor of Arts in Communication (Social Inquiry) Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>032311J</td>
</tr>
<tr>
<td>C10125</td>
<td>Bachelor of Business Bachelor of Laws</td>
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<td>A$17,580</td>
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<tr>
<td>C10136</td>
<td>Bachelor of Engineering Science Bachelor of Laws</td>
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<td>A$17,580</td>
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<tr>
<td>C10129</td>
<td>Bachelor of Laws Bachelor of Arts in International Studies</td>
<td>10</td>
<td>A$17,580</td>
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<tr>
<td>C10338</td>
<td>Bachelor of Laws Bachelor of Creative Intelligence and Innovation</td>
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<tr>
<td>C10131</td>
<td>Bachelor of Medical Science Bachelor of Laws</td>
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<td>C10126</td>
<td>Bachelor of Science Bachelor of Laws</td>
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<td>A$17,580</td>
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<tr>
<td>C10245</td>
<td>Bachelor of Science in Information Technology Bachelor of Laws</td>
<td>10</td>
<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
<td>064382G</td>
</tr>
</tbody>
</table>

Note: students in the combined degrees who wish to be admitted to practice as a lawyer in NSW need to complete the UTS Graduate Certificate in Professional Legal Practice or other equivalent PLT program. Please contact your UTS:Law representative if you require further information.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

* 8 semesters and 6 intensive summer/winter sessions.
advanced materials • applied chemistry • applied physics • biomedical physics • biomedical science • biotechnology • chemical science • Chinese medicine • environmental biology • environmental biotechnology • environmental sciences • forensic biology • forensic science • infection and immunity • marine biology • mathematics • mathematics and computing • mathematics and finance • medical science • medical and molecular biosciences • medicinal chemistry • nanotechnology • pre-medicine • statistics

> Learn from research-active lecturers and internationally-recognised academics. Professor Matt Wand was awarded the 2013 Pitman Medal from the Statistical Society of Australia in recognition of his contribution to the statistics discipline.

> Earn a career-relevant education with a balanced mix of practice and theory. UTS: Science graduates are ready for the global workplace with skills, knowledge and experience employers’ value.

> Gain practical experience and enhance your employability. Our courses are practice-oriented and combine specialist skills and knowledge to develop transferable attributes such as communication, teamwork, problem solving and critical thinking.

> Learn and practise in world-class facilities. Our science facilities are modern, well-equipped and equivalent to those used in advanced commercial labs. A large scale, multi-disciplinary Super Lab fitted with the latest technology, is one of only two in Australia.

> Engage with industry and access industry-experienced teachers. Our academics are experts and leaders in their discipline with strong industry connections. You’ll also have the opportunity to network with industry practitioners through guest lecturers.

> Benefit from an international focus and a globally recognised qualification. Our Biomedical Science program is the only course in Sydney accredited by the Australian Institute of Medical Scientists (AIMS), allowing graduates to practise in medical laboratories in the UK and USA.

IN 2014 UTS: SCIENCE HAD:

3090 undergraduate coursework students

210 international undergraduate coursework students
All UTS courses periodically undergo review and changes may occur to ensure they meet industry standard, requirements and quality assurance. For the most up-to-date course information please visit the UTS Handbook (www.handbook.uts.edu.au).

MIHAELA SOKOLOVSKA, MACEDONIA
Bachelor of Forensic Science in Applied Chemistry

“I chose UTS Science because of the career diversity it offers in its degree. In the forensic science degree, I’m doing both applied chemistry and forensic science which is very exciting. UTS Science has a lot of advanced technology and fascinating equipment, one of such is the ‘NMR’ or Nuclear Magnetic Resonance. NMR is used to analyse illicit drugs, hazardous waste and many more materials. I would have never had the chance to use this equipment, if I did not study at UTS.

When I first arrived in Sydney, I did not find it easy to settle in. However, after I moved to UTS’s accommodation it was a lot easier because it is centrally located, and offer organised social activities and support services. It is convenient when you have your own room with shared kitchen facilities.”

CATHLEEN PHIMDERT
Bachelor of Medical Science and Bachelor of Business

“I chose UTS because when I first visited its campus, it gave a vibe of life and vibrancy that I did not expect. UTS is also one of a very few universities offering a combined Bachelor of Medical Science with a Bachelor of Business for four years of study.

Studying a combined degree opens up your eyes and you can compare the differences between doing science and business subjects. They are all very practical but I attend at least three hours of lab classes every week for each science subject!

These lab classes are where I have learnt the most, especially when it comes to grasping theories and concepts that have causes and effects. Such as the way the heart pumps blood or the reaction of solutions.”
BACHELOR OF ADVANCED SCIENCE

COURSE DESCRIPTION
The Bachelor of Advanced Science has been specifically designed to develop student learning using an inquiry-oriented, research-immersion model. Students engage in a number of research project subjects that are based in the chosen discipline of their major: infection and immunity; pre-medicine; advanced materials; or environmental biotechnology. They are placed with world-leading research scientists and learn ‘on the job’, actively mentored in research teams learning theory through real-time application and solving real-world problems. More than just a work placement, this course is a holistic learning experience designed to train the next generation of scientists.

The pre-medicine program is distinguished from other advanced science programs in that the second and third years of study have a stronger coursework focus. This distinctive approach aims to optimally prepare graduates for health professional careers.

AREAS OF STUDY
Research methodologies and techniques, physics, mathematics, data science, advanced materials, optics, chemistry, biotechnology, biofuels, biology, human anatomy, pharmacology, physiology, parasitology, immunology.

MAJORS
Infection and immunity, pre-medicine, advanced materials, environmental biotechnology.

COURSE STRUCTURE

Infection and Immunity major
Year 1
Chemistry 1
Physical Aspects of Nature
Cell Biology and Genetics
Research Methods 1
Chemistry 2 [Advanced]
Molecular Biology 1
Human Anatomy and Physiology
Research Methods 2

Year 2
General Microbiology
Pharmacology 1
Select 6 credit points of electives
Advanced Research Project 1
Drug Discovery
Introductory Haematology and Immunology
Select 6 credit points of electives
Advanced Research Project 2

Year 3
Select 12 credit points from the following:
Advanced Immunology
Clinical Bacteriology
Virology
Select 6 credit points of electives
Advanced Research Project 3
Select 6 credit points from the following:
Bacterial Pathogenesis
Parasitology
Select 6 credit points from the following:
Proteomics
Microscopy and Cytometry
Select 6 credit points of electives
Advanced Research Project 4

Advanced Materials and Data Science major
Year 1
Foundations of Physics
Mathematical Modelling for Science
Chemistry 1
Research Methods 1
Physics in Action
Statistics and Mathematics for Science
Optics
Research Methods 2

Year 2
Surface Processes
Mathematics for Physical Science
Select 6 credit points of electives
Advanced Research Project 1
Data Science 1
Quantum Physics
Select 6 credit points of electives
Advanced Research Project 2

Year 3
Computational Physics
Energy Science and Technology
Select 6 credit points of electives
Advanced Research Project 3
Data Science 2
Solid-state Science and Nanodevices
Select 6 credit points of electives
Advanced Research Project 4

Environmental Biotechnology major
Year 1
Chemistry 1
Mathematical Modelling for Science
Cell Biology and Genetics
Research Methods 1
Chemistry 2 [Advanced]
Physical Aspects of Nature
Fundamentals of Software Development
Research Methods 2

Year 2
Metabolic Biochemistry
General Microbiology
Select 6 credit points of electives
Advanced Research Project 1
Bioinformatics
Molecular Biology 1
Select 6 credit points of electives
Advanced Research Project 2

Year 3
Biotechnology
Medical Biotechnology
Select 6 credit points of electives
Advanced Research Project 3
Environmental Biotechnology
Bioreactors and Bioprocessing
Select 6 credit points of electives
Advanced Research Project 4
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each. Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.

Pre-Medicine major

**Year 1**
- Chemistry 1
- Cell Biology and Genetics
- General Microbiology
- Research Methods 1
- Physical Aspects of Nature
- Human Anatomy and Physiology
- Research Methods 2

**Year 2**
- Physiological Systems
- Metabolic Biochemistry
- Select 6 credit points of electives
- Histology
- Human Pathophysiology
- Human Anatomy 2
- Select 6 credit points of electives
- Introductory Haematology and Immunology

**Year 3**
- Pharmacology 1
- Neuroscience
- Select 6 credit points of electives
- Professional Practice
- Pharmacology 2
- Medical and Applied Physiology
- Select 6 credit points of electives
- Human Anatomy 3

**CAREER OPPORTUNITIES**
Care options include positions in biotechnology, medicine, pharmaceuticals, vaccines, patent law and public health for the infection and immunity major. The pre-medicine major prepares students for postgraduate medicine, pharmacy, physiotherapy, health policy writing, health and medical writing, sales and technical support of medical devices, and the pharmaceutical and therapeutic goods industry. Study of advanced materials can lead to more traditional science-based research and development in government, defence and commercial laboratories; and financial modelling, management and other non-technical fields. Examples of positions in environmental biotechnology include industrial biotechnology for the energy sector (biofuel), agricultural sector (feedstock) and environmental management (phyto-remediation).

**BACHELOR OF BIOMEDICAL PHYSICS**

**COURSE DESCRIPTION**
Some of the most challenging and rewarding applications of physics are in the area of biomedical physics. There are a broad range of applications for biomedical physics in areas such as radiation oncology, medical imaging and radiation safety.

In this course students gain advanced experimental, analytical and computational skills as well as an understanding of how the body works at a cellular and organ level. They explore the biomedical applications of physics, ranging from the use of nanoparticles as diagnostic and therapeutic agents to medical imaging and diagnostic instrumentation.

Knowledge of biomedical physics can be applied to instrument development, from magnetic resonance imaging (MRI) to simple glucose monitors or therapeutic agents based on nanoparticles. This course provides students with skills and expertise that equip them to participate in this exciting and rapidly growing area of activity at the interface between physics and biomedicine.

**AREAS OF STUDY**
Physics, human anatomy, mathematics, imaging science, biomedical physics, nanotechnology, medical devices, quantum physics.

**COURSE STRUCTURE**

**Year 1**
- Principles of Scientific Practice
- Chemistry 1
- Mathematical Modelling for Science
- Foundations of Physics
- Chemistry 2
- Statistics and Mathematics for Science
- Human Anatomy and Physiology
- Physics in Action

**Year 2**
- Mathematics for Physical Science
- Applied Electronics and Interfacing
- Biomedical Physics Methodology
- Cell Biology and Genetics
- Imaging Science
- Quantum Physics
- BioNanotechnology
- Human Pathophysiology

**Year 3**
- Select 12 credit points of electives
- Solid-state Science and Nanodevices
- Medical Imaging Technology
- Biomedical Physics Project
- Advanced Medical Device Technology
- Select 12 credit points of electives

**CAREER OPPORTUNITIES**
Career options include positions in imaging technology and the medical instrumentation industry.

Course code: C10346
CRICOS code: 084271D
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,270 per semester (see page 136 for further fees information)
Academic and additional requirements: See page 130
English language requirements: See page 131
BACHELOR OF BIOMEDICAL SCIENCE

COURSE DESCRIPTION
This course provides an in-depth understanding of how the body works at the cellular level, what causes disease and the techniques of laboratory diagnosis of disease, including the expanding area of molecular-based diagnostic techniques. Students gain the underpinning knowledge and lab skills required to participate in research aimed at the prevention or treatment of disease.

This course provides a strong professional and industry focus. With extensive theoretical knowledge and advanced laboratory skills in medical laboratory science, students obtain a solid background in the biological/medical sciences and practical experimentation.

AREAS OF STUDY
Biochemistry, cell biology, clinical microbiology, haematology, histology, anatomy, physiology, immunology, molecular biology, parasitology, pathology, diagnosis, laboratory, genetics, disease, histopathology, blood transfusion, research, stem cell, blood bank, autoimmunity, allergy, immunodeficiency, immunity, epidemiology, transplantation, serology, proteomics, genetic screening, diabetes, blood test, infection.

COURSE STRUCTURE

Year 1
Chemistry 1
Cell Biology and Genetics
Statistical Design and Analysis
Principles of Scientific Practice
Chemistry 2
Biocomplexity
Human Anatomy and Physiology
Physical Aspects of Nature

Year 2
General Microbiology
Metabolic Biochemistry
Histology
Elective 1
Molecular Biology 1
Select 18 credit points from the following:
Analytical Biochemistry
Epidemiology and Public Health
Microbiology
Introductory Haematology and Immunology
Elective 3

Year 3
Elective 2
Select 18 credit points from the following:
Molecular Biology 2
Clinical Bacteriology
Medical and Diagnostic Biochemistry
Advanced Haematology
Advanced Immunology
Elective 4
Select 12 credit points from the following:
Transfusion Science
Biochemistry, Genes and Disease
Parasitology
Anatomical Pathology

PROFESSIONAL RECOGNITION
The course is recognised by the Australian Institute of Medical Scientists (AIMS) (in order to secure AIMS accreditation, students must select 91402 Anatomical Pathology as one of their options).

CAREER OPPORTUNITIES
Career options include positions in diagnostic medical laboratories, pharmaceutical, biomedical and biotechnology industries. Students may pursue a career in biomedical research in hospitals or other research institutes. Biomedical science also provides excellent preparation for entry into graduate medical degrees.

BACHELOR OF BIOTECHNOLOGY

COURSE DESCRIPTION
This course provides students with a broad knowledge of modern biotechnology with an emphasis on DNA technology, cell biology and up-to-date industrial applications, plus a wide range of practical skills, supplemented with relevant aspects of ethics law and business.

Biotechnology is the science of the future, with high employment rates due to a strong professional and industry focus. Graduates of this course gain a professional qualification in biological science and a firm basis in the industrial aspects of biotechnology. This is a comprehensive biotechnology course with a wide range of options for advanced specialisation.

AREAS OF STUDY
Agricultural, environmental, medical and food biotechnology, industrial biochemistry, cloning, biobusiness, bioethics, gene therapy, genetic and protein engineering, tissue culture, protoplast fusion, bioremediation, immunology, proteomics, bioinformatics, antibody engineering, vaccine development, biochemistry, microbiology, human and cell biology, immunology, haematology, bioreactors, fermentation, processing, extraction, chemical manufacture.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
COURSE STRUCTURE

Year 1
- Chemistry 1
- Cell Biology and Genetics
- Statistical Design and Analysis
- Principles of Scientific Practice
- Chemistry 2
- Biocomplexity
- Human Anatomy and Physiology
- Physical Aspects of Nature

Year 2
- General Microbiology
- Metabolic Biochemistry
- Biotechnology
- Elective 1
- Molecular Biology 1
- Elective 2
- Select 12 credit points from the following:
  - Analytical Biochemistry
  - Epidemiology and Public Health
  - Microbiology
  - Introductory Haematology and Immunology

Year 3
- Molecular Biology 2
- Biobusiness and Environmental Biotechnology
- Advanced Immunology
- Elective 3
- Bioreactors and Bioprocessing
- Microbial Ecology
- Elective 4
- Select 6 credit points from the following:
  - Transfusion Science
  - Biochemistry, Genes and Disease
  - Parasitology

PROFESSIONAL RECOGNITION

This course is recognised by the Australian Biotechnology Association.

CAREER OPPORTUNITIES

Career options include biotechnological research, development and production positions in agricultural, biomedical, chemical, communications, energy, environmental, manufacturing, medical and pharmaceutical companies. Graduates can innovate, invent or research biotechnological science or start their own company to capitalise on their ideas.

BACHELOR OF ENVIRONMENTAL BIOLOGY

COURSE DESCRIPTION

This course provides graduates with a thorough understanding of the way living organisms function in terrestrial and aquatic environments. It focuses on the foundation components of the natural systems, how these systems work, and how detrimental impacts on them can be assessed and recovered.

Strong focus is placed on ecosystem protection and management and in practical experience undertaken during field excursions. Students are introduced to the latest findings by lecturers actively engaged in research solutions to environmental problems such as climate change and sustainability.

This course gives students the opportunity to combine environmental studies with further specialisation in analytical chemistry, molecular biology, law and urban design. These majors are attractive to students who are interested in the broad application of science to other disciplines without necessarily undertaking a combined degree.

AREAS OF STUDY

Bio-assessment, ecology, ecosystem protection, environmental biology, ecosystem protection and management; pollution impacts on ecosystems; plant and wildlife ecology and management; statistics and experimental design; GIS and remote sensing.

COURSE STRUCTURE

Year 1
- Chemistry 1
- The Biosphere
- Statistical Design and Analysis
- Principles of Scientific Practice
- Biocomplexity
- Physical Aspects of Nature
- Cell Biology and Genetics
- Environmental Chemistry

Year 2
- Geographical Processes
- Experimental Design and Sampling
- Ecology
- Select 6 credit points of electives
- Animal Behaviour and Physiology
- Plant Physiology and Ecophysiology
- Select 12 credit points of electives

Year 3
- GIS and Remote Sensing
- Wildlife Ecology
- Aquatic Ecology
- Biodiversity Conservation
- Stream and Lake Assessment
- Environmental Protection and Management
- Select one of the following:
  - Forest and Mountain Ecology
  - Semi-arid Ecology
  - Alpine and Lowland Ecology
- Select 6 credit points of electives

PROFESSIONAL RECOGNITION


CAREER OPPORTUNITIES

Career options in environmental sciences include positions as scientific officers, research scientists in organisations concerned with environmental protection, national parks and wildlife, water and coastal resources, and at universities in research, or as an environmental analysts and consultants. Graduates are also employed by local, state or Commonwealth agencies as education officers, environmental officers or managers of parks, reserves and bushland and consulting firms, and teachers.
UTS: Science

**BACHELOR OF FORENSIC BIOLOGY IN BIOMEDICAL SCIENCE**

**COURSE DESCRIPTION**

This course provides a firm foundation in the biomedical sciences and their applications to forensic investigations involving human or other biological evidence. It brings together extensive theoretical knowledge with advanced laboratory and problem-solving skills in forensic and biomedical science, as well as legal aspects of forensic science practice and crime scene investigation.

This is a hands-on course that draws on UTS’s strong expertise in both forensic science and biomedical science to produce graduates prepared for employment in either field. World-class facilities and equipment are combined with internationally recognised teaching and access to leading practising forensic scientists. The course has strong links with federal and state police services and government forensic laboratories.

**AREAS OF STUDY**

Crime scene investigation, DNA profiling, human biology, biochemistry, legal, scientific, casework, microbiology, molecular biology, anatomical pathology, human remains, histotechnology, biometrics, tissue diagnosis, tissue staining, expert evidence, expert witness, taphonomy.

**COURSE STRUCTURE**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1</td>
<td>Metabolic Biochemistry</td>
<td>DNA Profiling</td>
</tr>
<tr>
<td>Cell Biology and Genetics</td>
<td>General Microbiology</td>
<td>Investigation of Human Remains</td>
</tr>
<tr>
<td>Statistical Design and Analysis</td>
<td>Histology</td>
<td>Crime Scene Investigation</td>
</tr>
<tr>
<td>Principles of Scientific Practice</td>
<td>Forensic Statistics</td>
<td>Select 6 credit points from the following:</td>
</tr>
<tr>
<td>Human Anatomy and Physiology</td>
<td>Molecular Biology 1</td>
<td>Molecular Biology 2</td>
</tr>
<tr>
<td>Chemistry 2</td>
<td>Analytical Biochemistry</td>
<td>Clinical Bacteriology</td>
</tr>
<tr>
<td>Principles of Forensic Science</td>
<td>Anatomical Pathology</td>
<td>Medical and Diagnostic Biochemistry</td>
</tr>
<tr>
<td>Select 6 credit points from the following:</td>
<td>Select 6 credit points from the following:</td>
<td>Advanced Haematology</td>
</tr>
<tr>
<td>Physical Aspects of Nature</td>
<td>Epidemiology and Public Health Microbiology</td>
<td>Advanced Immunology</td>
</tr>
<tr>
<td>Biocomplexity</td>
<td>Introductory Haematology and Immunology</td>
<td>Complex Forensic Cases (Biology)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complex Forensic Cases (Law for Biology)</td>
</tr>
</tbody>
</table>

**PROFESSIONAL RECOGNITION**

Graduates are eligible to apply for membership of the Australian and New Zealand Forensic Science Society.

**CAREER OPPORTUNITIES**

Career options include positions as scene of crime officers, forensic laboratory scientists, biomedical scientists in private, public, federal or state law enforcement agencies, DNA testing laboratories, medical diagnostic laboratories, hospitals or corporate multinationals providing forensic, medical or research services.

**BACHELOR OF FORENSIC SCIENCE IN APPLIED CHEMISTRY**

**COURSE DESCRIPTION**

This course prepares students for entry to professional work in the field of applied chemistry or as specialists in the forensic science area. It includes a foundation in the basic sciences, with in-depth development of chemistry and analytical sciences and forensic techniques, emphasising forensic applications.

The hands-on course is well regarded nationally and internationally. It is unique in Australasia and draws on UTS’s strong expertise in both forensic science and chemistry to produce graduates prepared for employment in either field. Facilities and equipment are world-class, with internationally recognised teaching, research and access to leading forensic experts. The course has strong links with the federal and state police services, national and international forensic institutions and the analytical industry.

**AREAS OF STUDY**

Analytical chemistry, chemical criminalistics, chemistry and pharmacology of illicit drugs, crime scene investigation, forensic methods and theories, forensic toxicology, inorganic and organic chemistry, physical evidence, biochemistry, legal, scientific, casework, expert evidence, expert witness.
PROFESSIONAL RECOGNITION

Graduates are eligible to apply for membership of the Royal Australian Chemical Institute and the Australian and New Zealand Forensic Science Society.

CAREER OPPORTUNITIES

Career options include positions in the police service (crime scenes or laboratories), state and federal law enforcement agencies, government and private forensic or drug detection laboratories, customs, quarantine services, environmental protection agencies, and pharmaceutical and chemical industries.

BACHELOR OF HEALTH SCIENCE IN TRADITIONAL CHINESE MEDICINE

COURSE DESCRIPTION

This course provides graduates with a professional entry level for the practice of acupuncture and Chinese herbal medicine. It aims to produce professional Chinese medicine practitioners with highly adaptable and practical clinical skills accompanied by a thorough grounding in theory.

This course is well regarded both nationally and internationally. The course has a strong history of delivering highly skilled practitioners and researchers. Students complete over 1030 hours of clinical practice, starting in their first semester of study, and become well equipped for private practice. Opportunity exists for clinical internship in China or Korea, or by pursuing other work placements.

AREAS OF STUDY

Acupuncture, anatomy, Chinese herbs, materials and formula, Chinese massage, clinical assessment and examination, practice management, diagnosis, pharmacology, physiology, philosophy of Chinese medicine, reflective practices, trigger point, complementary and alternative medicine, auricular acupuncture, laser acupuncture, electro acupuncture, channel, meridian, herbal medicine, clinical practice, research methods, critical thinking and aseptic technique.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Medicine Foundations 1</td>
<td>Chinese Diagnostic System 1</td>
<td>Analytical Chemistry 2</td>
<td>Evaluating TCM: Theory, Practice and Research 1</td>
</tr>
<tr>
<td>Point Location and Acupuncture Anatomy</td>
<td>Clinic Level 3 and Acupuncture Techniques 2</td>
<td>Chemical Criminalistics</td>
<td>Clinical Practice 1 (TCM)</td>
</tr>
<tr>
<td>Clinical Theory and Clinic Level 1 Communication for the Complementary Therapist</td>
<td>Pharmacology of Chinese Herbal Medicine</td>
<td>Forensic Toxicology</td>
<td>Disease States for Traditional Chinese Medicine 2</td>
</tr>
<tr>
<td>Introduction to Chinese Herbal Medicine</td>
<td>Pathophysiology and Pharmacology 1</td>
<td>Select one of the following:</td>
<td>Professional Issues in Traditional Chinese Medicine 2</td>
</tr>
<tr>
<td>Chinese Medicine Foundations 2</td>
<td>Chinese Diagnostic System 2</td>
<td>Forensic Statistics</td>
<td>Clinical Practice 2 (TCM)</td>
</tr>
<tr>
<td>Clinic Level 2 and Acupuncture Techniques 1</td>
<td>Clinic Level 4 and Acupuncture Techniques 3</td>
<td>Inorganic Chemistry 2</td>
<td>Evaluating TCM: Theory, Practice and Research 2</td>
</tr>
<tr>
<td>Health and Homeostasis</td>
<td>Chinese Herbal Formula 1</td>
<td>Polymer Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pathophysiology and Pharmacology 2</td>
<td>Physical Chemistry 2</td>
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<tr>
<td></td>
<td></td>
<td>Analytical Chemistry 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chinese Medicine Foundations 2</td>
<td></td>
</tr>
</tbody>
</table>

PROFESSIONAL RECOGNITION

The course is accredited by the Australian Health Practitioner Regulation Agency (AHPRA) and graduates are eligible to apply for professional membership as a health practitioner with the Chinese Medicine Board of Australia within AHPRA.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
Career options include self-employment in private practice or as part of an interdisciplinary clinical team. Opportunities exist in health care policy development and consultancy; research trial coordination; sales, marketing and product development for herbal and pharmaceutical companies; and community-based organisations with a health service focus.

BACHELOR OF MARINE BIOLOGY

COURSE DESCRIPTION
This course focuses on how the marine environment works and how it can be better managed. This requires a thorough understanding of the way plants, animals and micro-organisms function in marine ecosystems (including estuarine, coastal, oceanic and coral reef ecosystems and Antarctica), as well as the skills required to detect and assess detrimental impacts on these marine environments resulting from anthropogenic sources and climate change.

The course has a strong practical and field-based focus. Students learn important concepts and skills through a combination of theory, laboratory and real-world experience via field trips to a range of marine environments.

AREAS OF STUDY
Animal behaviour, physiology, biosphere, biocomplexity, coral reef ecosystems, ecology, environmental protection and management, fisheries, GIS and remote sensing, temperate reef and fish ecology, soft sediment and seagrass ecology, ecosystem and statistical analysis, microbial ecology, oceanography, biogeochemistry, experimental design, estuarine ecology, marine conservation, ichthyology, climate change science, ecotoxicology.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1</td>
<td>Geological Processes</td>
<td>GIS and Remote Sensing</td>
</tr>
<tr>
<td>The Biosphere</td>
<td>Experimental Design and Sampling</td>
<td>Fisheries Resources</td>
</tr>
<tr>
<td>Statistical Design and Analysis</td>
<td>Ecology</td>
<td>Aquatic Ecology</td>
</tr>
<tr>
<td>Principles of Scientific Practice</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
<tr>
<td>Biocomplexity</td>
<td>Animal Behaviour and Physiology</td>
<td>Coral Reef Ecosystems</td>
</tr>
<tr>
<td>Physical Aspects of Nature</td>
<td>Plant Physiology and Ecophysiology</td>
<td>Environmental Protection and Management</td>
</tr>
<tr>
<td>Cell Biology and Genetics</td>
<td>Marine Communities</td>
<td>Marine Productivity and Climate Change</td>
</tr>
<tr>
<td>Environmental Chemistry</td>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of electives</td>
</tr>
</tbody>
</table>

PROFESSIONAL RECOGNITION
Australian Marine Science Association

CAREER OPPORTUNITIES
Career options include positions in government departments such as fisheries, national parks and wildlife, state environmental protection authorities and other state departments such as infrastructure, natural resources and planning. Graduates are also employed by local coastal councils as environmental officers, in resource industries and consulting firms, as research officers at universities, and as teachers at schools and colleges.

BACHELOR OF MATHEMATICS AND COMPUTING

COURSE DESCRIPTION
This course is designed to meet the increasing industry need for graduates with both computational and analytical skills. It offers the prospect of careers that require a sound knowledge of computing together with the ability to analyse and model practical situations.

Mathematical and computational techniques are increasingly important for commercial, industrial and governmental activities and there is a corresponding demand for highly skilled graduates in these areas.

AREAS OF STUDY
Data analytics, design and analysis of experiments, survey project management, quantitative methods in management, business systems management, scheduling and logistics, simulation and computational modelling.

SUB-MAJORS
Computing and data analysis, business information systems management, enterprise systems development, internetworking and applications.
The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
**Business Modelling major**

Year 1
- Communication for IT Professionals
- Introduction to Information Systems
- Introduction to Linear Dynamical Systems
- Introduction to Data Analysis
- Introduction to Quantitative Management
- Business Requirements Modelling
- Web Systems
- Introduction to Mathematical Analysis and Modelling

Year 2
- Computational Linear Algebra
- Optimisation in Quantitative Management
- Database Fundamentals
- Programming Fundamentals
- Regression Analysis
- Programming for Mathematical Modelling and Data Analysis
- Select 6 credit points from the following:
  - Networking Essentials
  - Strategic e-Business Technologies
- Select 6 credit points from the following:
  - Collaborative Business Processes
  - Innovations for Global Relationship Management
  - Networked Enterprise Architecture

Year 3
- Quantitative Management Practice
- Project Management and the Professional Stochastic Models
- Select 6 credit points from the following:
  - Business Process and IT Strategy
  - Collaborative Business Processes
  - Finance and IT
  - Information System Development Methodologies
  - Strategic IT Project
- Select 6 credit points from the following:
  - Introduction to Sample Surveys
  - Nonlinear Methods in Quantitative Management
  - Network and Combinatorial Optimisation
  - Quality Control Seminar (Statistics)
- Select 6 credit points from the following:
  - Collaborative Business Processes
  - Innovations for Global Relationship Management
  - Networked Enterprise Architecture
  - Systems Testing and Quality Management
  - Probability and Random Variables

**PROFESSIONAL RECOGNITION**

Graduates of this course are eligible to apply for professional-level membership of the Australian Computer Society.

**CAREER OPPORTUNITIES**

Career options include consumer analytics, data science, data analytics, database development, marketing research, risk analytics, web conversion optimisation, programming, computational modelling, scheduling and logistics, and statistical analysis.

**BACHELOR OF MATHEMATICS AND FINANCE**

**COURSE DESCRIPTION**

In the years since deregulation of the Australian financial system there have been many sweeping changes and a considerable increase in the financial and economic activity of many Australian corporations. During this same period the use of sophisticated quantitative techniques in a variety of areas within the operations of major financial institutions has become the norm. As a consequence, there is a demonstrated and continuing demand for graduates trained in both mathematics and finance. To meet this need the School of Mathematical Sciences in UTS: Science and the School of Finance and Economics in UTS: Business jointly offer this course.

Mathematical techniques are increasingly important for risk assessment and the optimisation of financial plans, and there is a corresponding demand for highly skilled graduates in these areas. Financial institutions, large corporations and government instrumentalities seek graduates of this course to take up rewarding positions in quantitative and financial analysis.

**AREAS OF STUDY**

Corporate finance, derivative securities, investment analysis, quantitative methods in management and finance, statistical modelling, stochastic processes and computational modelling in finance and their mathematical foundations.
## COURSE STRUCTURE

### Year 1
- Accounting for Business Decisions A
- Economics for Business
- Introduction to Linear Dynamical Systems
- Introduction to Data Analysis
- Fundamentals of Business Finance
- Probability and Random Variables
- Introduction to Mathematical Analysis and Modelling
- Introduction to Computational Methods

### Year 2
- Computational Linear Algebra
- Optimisation in Quantitative Management
- Stochastic Models
- The Financial System
- Differential Equations
- Regression Analysis
- Economics for Business 2
- Investment Analysis

### Year 3
- Mathematical Statistics
- Advanced Calculus
- Derivative Securities
- Corporate Finance: Theory and Practice
- Select one of the following:
  - Nonlinear Methods in Quantitative Management
  - Mathematical Methods
  - Seminar (Mathematics)
  - Stochastic Processes
  - Time Series Econometrics
- Select 6 credit points from the following:
  - Corporate Financial Analysis (Capstone)
  - International Financial Management
  - Issues in Corporate Finance

## CAREER OPPORTUNITIES

Career options include stock market analysis, providing advice on portfolio management, option pricing, prediction of movements in international money markets and financial risk management. Major employers of graduates include banks, insurance companies, superannuation providers, government regulatory bodies, and other major financial bodies.

## BACHELOR OF MEDICAL SCIENCE

### COURSE DESCRIPTION

This degree is designed to educate and train graduates for careers in medical and health-related sciences. It aims to produce professional medical scientists with highly adaptable and practical scientific skills accompanied by a thorough grounding in theory. It specialises in the human body’s structure, function and disease processes at the cellular and whole organ level.

The course provides the foundation knowledge and skills for students who wish to go on to postgraduate programs such as medicine, dentistry, pharmacy, biomedical engineering, nutrition and dietetics, complementary medicine, public health and health administration.

Pharmaceutical companies look to medical science graduates to work in areas such as drug registration and clinical trials coordination, as technical or marketing representatives and as policy analysts. Graduates also work as consultants, providing links with bodies such as state health departments and the Therapeutic Goods Administration.

### AREAS OF STUDY

Anatomy, physiology, cell biology, human diseases, medical devices, diagnostics, metabolic biochemistry, microbiology, molecular biology, genetics, neuroscience, pharmacology, drugs, medicine, immunology, haematology.

### COURSE STRUCTURE

#### Year 1
- Chemistry 1
- Cell Biology and Genetics
- Statistical Design and Analysis
- Principles of Scientific Practice
- Chemistry 2
- Biocomplexity
- Human Anatomy and Physiology
- Physical Aspects of Nature

#### Year 2
- Metabolic Biochemistry
- General Microbiology
- Physiological Systems
- Elective 1
- Molecular Biology 1
- Human Pathophysiology
- Select 12 credit points from the following:
  - Analytical Biochemistry
  - Epidemiology and Public Health
  - Microbiology
  - Introductory Haematology and Immunology

#### Year 3
- Pharmacology 1
- Neuroscience
- Select 12 credit points from the following:
  - Medical Imaging
  - Elective 3
  - Elective 2
  - Pharmacology 2
  - Medical and Applied Physiology
  - Elective 4
  - Medical Devices and Diagnostics

### CAREER OPPORTUNITIES

Career options include positions in private and public hospitals, public health units, government departments, and biotechnology, health technology and pharmaceutical companies.
### BACHELOR OF MEDICINAL CHEMISTRY

#### COURSE DESCRIPTION

The Bachelor of Medicinal Chemistry equips graduates with skills to undertake the design, discovery and development of new drugs. The course is a research-inspired, transdisciplinary degree located at the intersection of chemistry, biology and pharmacology.

The first year of study develops a solid foundation in chemistry, maths and biology, underpinning future studies. These topics are expanded and developed through the degree with subjects covering pharmacology and drug synthesis strategies in the second and third years of study.

The practice-oriented nature of the degree involves access to cutting-edge instrumentation, equipping students with the necessary skills for a career as a medicinal chemist. The program also offers graduates pathways into careers at the forefront of drug discovery, from concept to delivery. Graduates are differentiated by their highly developed practical skills, enabling them to work in areas of drug discovery and development, including the creation of new synthetic drug compounds. Industries range from pharmaceutical science to biotechnology, where opportunity exists to interact with multidisciplinary teams involving pharmacologists, toxicologists, analytical chemists, microbiologists and biopharmacists.

The course also provides students with the requisite knowledge for entry into a UTS Master of Pharmacy. This leads to eligibility for qualification as a professional pharmacist. Research options can also be accessed via honours or master’s programs leading to higher research degree studies.

#### AREAS OF STUDY

Cell biology, human anatomy, biochemistry, pharmacology, organic chemistry, medicinal chemistry, drug synthesis, metabolic biochemistry, analytical chemistry.

#### COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Scientific Practice</td>
<td>Organic Chemistry 1</td>
<td>Analytical Chemistry 2</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Physiological Systems</td>
<td>Metabolic Biochemistry</td>
</tr>
<tr>
<td>Mathematical Modelling for Science</td>
<td>Physical Chemistry 1</td>
<td>Pharmacology 1</td>
</tr>
<tr>
<td>Cell Biology and Genetics</td>
<td>Select 6 credit points of electives</td>
<td>Medicinal Chemistry</td>
</tr>
<tr>
<td>Chemistry 2</td>
<td>Organic Chemistry 2</td>
<td>Strategies in Drug Synthesis</td>
</tr>
<tr>
<td>Statistics and Mathematics for Science</td>
<td>Inorganic Chemistry 1</td>
<td>Analytical Chemistry 3</td>
</tr>
<tr>
<td>Human Anatomy and Physiology</td>
<td>Spectroscopy and Structure</td>
<td>Pharmacology 2</td>
</tr>
<tr>
<td>Select 6 credit points of electives</td>
<td>Select 6 credit points of options</td>
<td>Select 6 credit points of electives</td>
</tr>
</tbody>
</table>

#### CAREER OPPORTUNITIES

Career options include positions in pharmaceutical industries, biotechnology start-ups, clinical trials management and government regulatory authorities.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
BACHELOR OF SCIENCE

COURSE DESCRIPTION
Students may follow any of 15 different specialised programs leading to the award of a degree naming the chosen discipline, e.g. Bachelor of Science in Applied Physics, or Medical Science, or any of the other specialised disciplines available. Majors are chosen at the end of first year when students have experienced a range of disciplines and are more equipped to choose their preferred path. Students may also choose not to follow a major, but to select a range of second and third year subjects to tailor their study according to their interests and graduate with a cross-disciplinary science degree.

The flexibility of this course allows students to either specialise in a specific professional area or to develop skills and knowledge in a range of scientific disciplines. All majors aim to produce professional scientists with a thorough grounding in theory and highly adaptable and practical scientific, experimental and computational skills relevant to the discipline chosen.

AREAS OF STUDY
Experiment design, analysis, probability, finance, modelling, toxicology, physical, organic and inorganic chemistry, bionanotechnology, nanofabrication, nanomaterials, optics, quantum physics, electron microscopy, thermodynamics, cell biology, genetics, estuarine and marine systems, environmental forensics and protection, fisheries and wildlife ecology, physiology of plants and animals, bioreactors, bioprocessing, haematology, immunology, parasitology.

COURSE STRUCTURE

List of Majors
- Applied Chemistry
- Applied Physics
- Biotechnology
- Biomedical Science
- Mathematics
- Medical Science
- Nanotechnology
- Statistics
- Environmental Sciences
- Medical and Molecular Biosciences
- Physics and Advanced Materials
- Chemical Science
- No specifies major (Life and Environmental Sciences)
- No specified major (Physical Sciences)

Applied Chemistry major

Year 1
- Mathematical Modelling for Science
- Chemistry 1
- Foundations of Physics
- Principles of Scientific Practice
- Chemistry 2
- Statistics and Mathematics for Science
- Physics in Action
- Select 6 credit points from the following:
  - Cell Biology and Genetics
  - Introduction to Materials
  - Human Anatomy and Physiology

Year 2
- Organic Chemistry 1
- Skills for the Professional Chemist
- Physical Chemistry 1
- Select 6 credit points of electives
- Organic Chemistry 2
- Inorganic Chemistry 1
- Spectroscopy and Structure
- Select 6 credit points of electives

Year 3
- Analytical Chemistry 2
- Inorganic Chemistry 2
- Polymer Science
- Select 6 credit points of electives
- Analytical Chemistry 3
- Physical Chemistry 2
- Surface Processes
- Select 6 credit points of electives

Applied Physics major

Year 1
- Mathematical Modelling for Science
- Chemistry 1
- Foundations of Physics
- Principles of Scientific Practice
- Chemistry 2
- Statistics and Mathematics for Science
- Introduction to Materials
- Physics in Action

Year 2
- Nanomaterials
- Energy Science and Technology
- Mathematics for Physical Science
- Select 6 credit points of electives
- Advanced Mechanics
- Quantum Physics
- Imaging Science
- Select 6 credit points of electives

Year 3
- Applied Electronics and Interfacing
- Solid-state Science and Nanodevices
- Computational Physics
- Select 6 credit points of electives
- Optics and Nanophotonics
- Scanning Probe and Electron Microscopy
- Measurement and Analysis of Physical Processes
- Select 6 credit points of electives
Biomedical Science major
Year 1
Chemistry 1
Cell Biology and Genetics
Statistical Design and Analysis
Principles of Scientific Practice
Chemistry 2
Biocomplexity
Human Anatomy and Physiology
Physical Aspects of Nature

Year 2
General Microbiology
Metabolic Biochemistry
Histology
Elective 1
Molecular Biology 1
Select 18 credit points from the following:
Analytical Biochemistry
Epidemiology and Public Health
Microbiology
Introductory Haematology and Immunology
Elective 3

Year 3
Elective 2
Select 18 credit points from the following:
Molecular Biology 2
Clinical Bacteriology
Medical and Diagnostic Biochemistry
Advanced Haematology
Advanced Immunology
Elective 4
Select 12 credit points from the following:
Transfusion Science
Biochemistry, Genes and Disease
Parasitology
Anatomical Pathology

Biotechnology major
Year 1
Chemistry 1
Cell Biology and Genetics
Statistical Design and Analysis
Principles of Scientific Practice
Chemistry 2
Biocomplexity
Human Anatomy and Physiology
Physical Aspects of Nature

Year 2
General Microbiology
Metabolic Biochemistry
Biotechnology
Elective 1
Molecular Biology 1
Elective 2
Select 12 credit points from the following:
Analytical Biochemistry
Epidemiology and Public Health
Microbiology
Introductory Haematology and Immunology

Year 3
Molecular Biology 2
Biobusiness and Environmental Biotechnology
Advanced Immunology
Elective 3
Bioreactors and Bioprocessing
Elective 4
Select 6 credit points from the following:
Transfusion Science
Biochemistry, Genes and Disease
Parasitology
Microbial Ecology

Mathematics major
Year 1
Introduction to Quantitative Management
Principles of Scientific Practice
Introduction to Linear Dynamical Systems
Introduction to Data Analysis
Introduction to Sample Surveys
Foundation subject choice B
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables

Year 2
Computational Linear Algebra
Optimisation in Quantitative Management
Stochastic Models
Select 6 credit points of electives
Differential Equations
Regression Analysis
Select 6 credit points from the following:
Advanced Analysis
Mathematical Methods
Nonlinear Methods in Quantitative Management
Network and Combinatorial Optimisation
Stochastic Processes
Seminar (Mathematics)
Quality Control
Seminar (Statistics)
Select 6 credit points of electives

Year 3
Advanced Calculus
Select 12 credit points from the following:
Quantitative Management Practice
Mathematical Statistics
Design and Analysis of Experiments
Programming for Mathematical Modelling and Data Analysis
Select 6 credit points of electives
Select 18 credit points from the following:
Advanced Analysis
Mathematical Methods
Nonlinear Methods in Quantitative Management
Network and Combinatorial Optimisation
Stochastic Processes
Seminar (Mathematics)
Quality Control
Seminar (Statistics)
Select 6 credit points of electives

Medical Science major
Year 1
Chemistry 1
Cell Biology and Genetics
Statistical Design and Analysis
Principles of Scientific Practice
Chemistry 2
Biocomplexity
Human Anatomy and Physiology
Physical Aspects of Nature

Year 2
Metabolic Biochemistry
General Microbiology
Physiological Systems
Elective 1
Molecular Biology 1
Human Pathophysiology
Select 12 credit points from the following:
Analytical Biochemistry
Epidemiology and Public Health
Microbiology
Introductory Haematology and Immunology

Year 3
Pharmacology 1
Neuroscience
Select 12 credit points from the following:
Medical Imaging
Elective 2
Elective 3
Medical Devices and Diagnostics
Pharmacology 2
Medical and Applied Physiology
Elective 4
Nanotechnology major

Year 1
Mathematical Modelling for Science
Chemistry 1
Foundations of Physics
Principles of Scientific Practice
Chemistry 2
Statistics and Mathematics for Science
Introduction to Materials
Physics in Action

Year 2
Mathematics for Physical Science
Physical Chemistry 1
Nanomaterials
Select 6 credit points of electives
BioNanotechnology
Quantum Physics
Imaging Science
Select 6 credit points of electives

Year 3
Applied Electronics and Interfacing
Molecular Nanotechnology
Solid-state Science and Nanodevices
Select 6 credit points of electives
Surface Processes
Optics and Nanophotonics
Scanning Probe and Electron Microscopy
Select 6 credit points of electives

Statistics major

Year 1
Introduction to Quantitative Management
Principles of Scientific Practice
Introduction to Linear Dynamical Systems
Introduction to Data Analysis
Introduction to Sample Surveys
Foundation subject choice B
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables

Year 2
Computational Linear Algebra
Optimisation in Quantitative Management
Stochastic Models
Select 6 credit points of electives
Differential Equations
Regression Analysis
Select 6 credit points from the following:
  - Quality Control
  - Seminar (Statistics)
Select 6 credit points of electives

Year 3
Mathematical Statistics
Design and Analysis of Experiments
Advanced Calculus
Select 6 credit points of electives
Select 6 credit points from the following:
  - Quality Control
  - Seminar (Statistics)
Select 12 credit points from the following:
  - Advanced Analysis
  - Nonlinear Methods in Quantitative Management
  - Network and Combinatorial Optimisation
Select 6 credit points of electives

Environmental Sciences major

Year 1
Principles of Scientific Practice
Chemistry 1
The Biosphere
Statistical Design and Analysis
Cell Biology and Genetics
Physical Aspects of Nature
Biocomplexity
Environmental Chemistry

Year 2
Ecology
Experimental Design and Sampling
Geological Processes
Select 6 credit points of electives
Select 18 credit points from the following:
  - Animal Behaviour and Physiology
  - Environmental Forensics
  - Marine Communities
  - Plant Physiology and Ecophysiology
  - Microbial Ecology
Select 6 credit points of electives

Year 3
Select 18 credit points from the following:
  - Aquatic Ecology
  - Biodiversity Conservation
  - Fisheries Resources
  - GIS and Remote Sensing
  - Marine Geosciences
  - Wildlife Ecology
Select 6 credit points of electives
Select 18 credit points from the following:
  - Environmental Protection and Management
  - Stream and Lake Assessment
  - Coral Reef Ecosystems
  - Marine Productivity and Climate Change
  - Semi-arid Ecology
Select 6 credit points of electives

CAREER OPPORTUNITIES

Graduates are highly versatile as they can work in almost any industry such as biotechnology, biomedical science, medical science, marine biology, environmental management and forensics, mathematics, statistical modelling, applied chemistry, applied physics, nanotechnology and material science. Graduates could be employed to analyse traffic flow, calculate the optimum distribution of branches for major banks, set rates of insurance premiums, analyse the consumer demand for products, be part of a medical team working on groundbreaking research, determine the effectiveness of new drugs, evaluate the environmental impact of pollution or provide advice on the stock market.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value (www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
**HONOURS DEGREES**

Applicants must have completed a UTS recognised bachelor’s degree in a relevant discipline at an appropriate level.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
<th>Location</th>
<th>CRICOS code</th>
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<tbody>
<tr>
<td>C09078</td>
<td>Bachelor of Biomedical Physics (Honours)</td>
<td>2</td>
<td>A$16,270</td>
<td>March, July#</td>
<td>City</td>
<td>084272C</td>
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<td>C09022</td>
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<td>2</td>
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<td>Bachelor of Forensic Science (Honours) in Applied Chemistry</td>
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<td>C09021</td>
<td>Bachelor of Mathematics and Finance (Honours)</td>
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<td>C09023</td>
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<td>C09029</td>
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<td>C09046</td>
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**COMBINED DEGREES**

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<th>Course code</th>
<th>Course name</th>
<th>Semesters</th>
<th>Fees per semester</th>
<th>Intake</th>
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<tbody>
<tr>
<td>C10169</td>
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<td>C09074</td>
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<td>C09075</td>
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<td>C10162</td>
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<td>C10330</td>
<td>Bachelor of Science Bachelor of Creative Intelligence and Innovation</td>
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<td>A$16,270</td>
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<tr>
<td>C10126</td>
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<td>A$17,580</td>
<td>March, July</td>
<td>City</td>
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</tr>
</tbody>
</table>

# mid-year intake may be considered on a case-by-case basis.

* only available through internal transfer after completion of the first year. Students wishing to undertake this combined degree should enrol in the Bachelor of Health Science in Traditional Chinese Medicine then apply for an internal transfer.

** 8 semesters and 6 intensive summer/winter sessions.

The course structures outlined in this course guide are based on a March (Autumn) intake. The structure may vary for our July (Spring) intake. Students may be required to undertake elective subjects to complete their degree. Most subjects at UTS are valued at 6-8 credit points each.

Refer to the online handbook for the most up-to-date information and for specific information on available electives and their credit-point value [www.handbook.uts.edu.au](http://www.handbook.uts.edu.au).

Courses flagged with this icon include a work-based training component which must be undertaken as part of the course of study and refers to all clinical, professional and industrial or other work placements.
WHO IS UTS:INSEARCH?
UTS:INSEARCH is the premium pathway provider to The University of Technology Sydney (UTS) and is also an important part of the UTS community.

UTS:INSEARCH offers a range of pathways that lead to UTS degrees, including leading Academic English programs, higher education diplomas and on behalf of UTS, UTS Foundation Studies. These programs are all designed to prepare students for success in their university studies.

In fact, over 3,000 students from 75 different countries come to study at UTS:INSEARCH every year to prepare for their UTS studies, many going on to graduate from UTS and work in their dream careers.

UTS:INSEARCH offers pathways in the following areas of study:
- English
- Foundation Studies
- Business
- Communication
- Design and Architecture
- Engineering
- Information Technology
- Science

WHY CHOOSE UTS:INSEARCH?

1. FAST TRACK into second year of a UTS bachelor degree.*
UTS:INSEARCH diplomas provide guaranteed entry into a UTS bachelor degree, provided you successfully completed the diploma with no more than two subject failures. In fact, depending on the course you choose you can fast track into the second year of UTS.

2. Strong connection with UTS.
Academic courses are designed in consultation with the corresponding UTS faculties.

3. High record of success.
Each year, over 90% of our diploma graduates are eligible for direct entry into second year of a UTS degree#.

4. Supportive learning environment and caring culture.
Learn in small classes within a highly supportive learning culture that includes access to academic advisers, weekly learning assistance sessions and study skills workshops.

5. State-of-the-art facilities.
Students will learn in our newly renovated campus and also enjoy access to UTS’s world class facilities.

6. Highly innovative and practical course structures.
To give you the perfect preparation for UTS and your career.

7. Strong sense of community
Enjoy access to hundreds of social, sports, networking and cultural clubs – so it’s easy to feel right at home on arrival.

8. Central location.
Our campus is ideally located in the city, next to UTS and all major transport.

* Based on no more than two subject failures.
# Source: UTS:INSEARCH 2014 Articulation Tracking Report
**OLGA, CHINA**

"UTS:INSEARCH provided me with a platform from which to launch my future career, particularly by preparing me for university life in Australia."

**Job title:** Senior Business Analyst for Woolworths and qualified CPA.

**Graduated from:** UTS:INSEARCH Diploma of Business and UTS Bachelor of Business (Finance and International Business).

**Key achievement:** The assessment and upgrade for an end to end software solution to Woolworths HR systems.

---

**ROBBY, INDONESIA**

"UTS:INSEARCH teachers are just amazingly supportive and the design classes are really practical."

**Job title:** Fashion Designer for Kenzo’s runway collection (Paris)

**Graduated from:** UTS:INSEARCH Diploma of Design and UTS Bachelor of Design (Fashion and Textiles).

**Key achievement:** Designing the outfit for Beyonce’s Mrs Carter tour.

---

**DANNY, CHINA**

"UTS:INSEARCH helped me get into a UTS IT degree, now I’m doing what I love – making apps."

**Job title:** Software Developer for Accedo TV.

**Graduated from:** UTS:INSEARCH Diploma of Information Technology and UTS Bachelor of Science in Information Technology (Software).
**WHICH PATHWAY IS RIGHT FOR YOU?**

Pathway 1

<table>
<thead>
<tr>
<th>HIGH SCHOOL</th>
<th>UTS:INSEARCH</th>
<th>UTS:INSEARCH</th>
<th>UTS</th>
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</thead>
<tbody>
<tr>
<td>High School (Year 12)</td>
<td>Academic English Program (if required)^</td>
<td>UTS:INSEARCH Diploma 8, 12 or 16 months</td>
<td>UTS 1st or 2nd year Bachelor Degree</td>
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Pathway 2

<table>
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<tr>
<th>HIGH SCHOOL</th>
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<th>UTS:INSEARCH</th>
<th>UTS:INSEARCH</th>
<th>UTS</th>
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</thead>
<tbody>
<tr>
<td>High School (Year 11)</td>
<td>Academic English Program (if required)^</td>
<td>UTS Foundation Studies 8 or 12 months</td>
<td>UTS:INSEARCH Diploma 8, 12 or 16 months</td>
<td>UTS 1st or 2nd year Bachelor Degree</td>
</tr>
</tbody>
</table>

Pathway 3

<table>
<thead>
<tr>
<th>HIGH SCHOOL</th>
<th>UTS:INSEARCH</th>
<th>UTS:INSEARCH</th>
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</tr>
</thead>
<tbody>
<tr>
<td>High School (Year 11)</td>
<td>Academic English Program (if required)^</td>
<td>UTS Foundation Studies (8 or 12 months)</td>
<td>UTS 1st year Any Bachelor Degree#</td>
</tr>
</tbody>
</table>

**UTS:INSEARCH DIPLOMA PROGRAMS**

Guarantee your place in a UTS degree with a UTS:INSEARCH diploma.

Pathways into UTS degrees

UTS:INSEARCH diplomas are recommended for students who do not meet the Academic and English entry requirements needed to go straight into a UTS undergraduate degree.

**FAST TRACK into second year of a UTS degree**

UTS:INSEARCH diplomas provide guaranteed entry into a UTS bachelor degree, provided you successfully completed the diploma with no more than two subject failures. In fact, depending on the course you choose you can fast track into the second year of a UTS.

**Designed in collaboration with UTS**

All UTS:INSEARCH diplomas are designed in collaboration with UTS, this means that the educational outcomes for students undertaking a UTS:INSEARCH diploma are, in most cases, equivalent to those of first year students studying a UTS undergraduate degree.

**Six study areas on offer**

UTS:INSEARCH diplomas are offered in the areas of Business, Communication, Design and Architecture, Engineering, Information Technology and Science.

**High success rates**

Each year, over 90% of our diploma graduates are eligible for direct entry into second year of a UTS degree.

**8, 12 or 16 month diplomas**

UTS:INSEARCH diplomas are offered over 8 months (Accelerated), 12 months (Standard), and 16 months (Extended). Entry into our diploma programs will be based on your current academic and English levels and the pace of learning you wish to undertake.

^ Source: UTS:INSEARCH 2014 Articulation Tracking Report

For more details on UTS:INSEARCH diplomas

For all details about entry and articulation requirements for this program please visit www.insearch.uts.edu.au
MAKE AN ENQUIRY WITH UTS:INSEARCH TODAY
Website: www.insearch.edu.au
[T] 1800 896 994 (within Australia)
[T] +61 02 9218 8700 (outside Australia)
[F] 02 9281 9875
[E]: courses@insearch.edu.au
Postal Address
PO Box K1085
Haymarket, NSW 1240 Australia
Street Address
Student Centre
Ground Floor,
187 Thomas Street (Blue Building)
Haymarket, NSW 2000 Australia
[T] +61 02 9218 8666
[E]: studentcentre@insearch.edu.au
Monday – Friday
9.00am–5.00pm

CRICOS CODES
INSEARCH CRICOS provider code: 00859D
UTS CRICOS provider code: 00099F
INSEARCH Limited is a controlled entity of the University of Technology Sydney (UTS).

UTS Foundation Studies (Standard)
CRICOS course code: 082432G UTS course code: C30019

UTS Foundation Studies (Extended)
CRICOS course code: 082433G UTS course code: C30020

UTS:INSEARCH is a registered non-self accrediting higher education institution and a pathway provider to UTS.

FOLLOW UTS:INSEARCH

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悉尼科技大学 INSEARCH
Minimum Academic Requirements

For entry into a UTS undergraduate course, you require a competitive pass in a recognised matriculation examination equivalent to an Australian year 12 qualification. As a general guide, competitive results in the following international examinations are accepted for entry. For detailed information about the academic requirements for courses by specific examinations, refer to the Course Summary Tables at the back of this publication (pages 138–147).

Those who successfully complete a recognised pathway program are also eligible to apply. Applications for some courses also require submission of a portfolio or a personal statement. If you do not meet entry requirements, you may wish to consider studying a UTS pathway course through UTS: Insearch (see page 126).

International Education Qualifications

Bahrain: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Bangladesh: Successful completion of at least one full-time year of a four-year bachelor degree at a recognised university or a completed 2 to 3 years bachelor degree at a recognised university.

Brazil: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Canada: Successful completion of the Ontario Secondary School Diploma with six University or University/college preparation courses. Qualifications from other provinces may also be acceptable.

Chile: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

China: Successful completion of the China National Entrance Examination (Gaokao) where the total score meets entry standard, or completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Colombia: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Fiji: Successful completion of the Foundation Program at the University of the South Pacific, OR successful completion of the Fijian Seventh Form Certificate, OR completion of at least one full-time year at bachelor degree level at the University of the South Pacific, OR successful completion of matriculation to a New Zealand university.

Germany: Successful completion of the Abitur examination.

Hong Kong: Successful completion of the Hong Kong Diploma of Secondary Education (HKDSE) with the overall aggregate based on four core subjects, Chinese language, English language, Mathematics and Liberal Arts and the best grade in one category A elective subject. Grades for all subjects except for Mathematics are counted as follows: Level 5** and Level 5*=6, Level 5=5, Level 4=4, Level 3=3, Level 2=2, Level 1=1.

Grades for Compulsory Mathematics are counted as follows Level 5** and Level 5*=3, Level 5=2.5, Level 4=2, Level 3=1.5, Level 2=1, Level 1=0.5.

Grades for Extension Mathematics are counted as follows: Level 5**, Level 5*=4, Level 5=3.5, Level 4=3.0, Level 3=2.5, Level 2=2, Level 1=1.5.

India: Successful completion of the All India Senior School certificate examination (CBSE I) (10+2) with overall grades in the best four academic subjects (externally examined subjects) where A1=5, A2=4.5, B1=3.5, B2=3.0, C1=2.0, C2=1.5, D1=1, D2=0.5, or successful completion of the Indian School Certificate Examination (10+2) awarded by the Council for Indian School Certificate Examinations (CISE) with an overall average of the average of the marks gained in English and the best three elective subjects. Successful completion of the Higher Secondary School examinations from some state boards with a competitive pass may also be accepted.

Indonesia: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

International Baccalaureate: Award of the full International Baccalaureate diploma where the total aggregate score including bonus and penalty points meets entry standards.

Japan: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Jordan: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution. Very high marks meet entry standards.

Kuwait: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Malaysia: Successful completion of STPM with passes in a minimum of 3 Advanced Level subjects, where A=7, A=6, B=5, B=4, B=3, C=2, C=1. Fail grades (F) or partial passes C++, C+ or D are not assessed or used to determine the ATAR equivalency. Advanced Level subjects must be taken in the same academic year.

Mexico: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Nepal: Successful completion of at least one full-time year of a four-year bachelor degree at a recognised university or a completed 2 to 3 year bachelor degree at a recognised university.

Nigeria: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

New Zealand: Successful completion of the National Certificate of Education Achievement at a competitive standard. Very high marks meet entry standards.

Norway: Successful completion of the Norwegian Certificate of Completion of Upper Secondary School Examination or equivalent (Vitnemal).

Oman: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Pakistan: Successful completion of at least one full-time year of a four-year bachelor degree at a recognised university or a completed 2 to 3 years bachelor degree at a recognised university.

Saudi Arabia: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

South Africa: Successful completion of South African National Senior Certificate or the Matriculation Certificate of the Joint Matriculation Board. Candidates must have been awarded the NSC and met the minimum requirements for admission to higher education [Bachelor degree, Diploma or Higher Certificate] in South Africa. Both are indicated on the certificate.

South Korea: Successful completion of Korea Republic Senior High School Diploma (General or vocational) with an overall grade average in the final year, where A=4.0, B=3.0, C=2.0, D=1.0.

Sri Lanka: Successful completion of the Sri Lankan General Certificate of Education (GCE) with aggregate of the best 3 Advanced level subjects, where A=5, B=4, C=3, S=1.


Taiwan: A Junior / community college diploma or Senior Higher School diploma plus completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Thailand: Successful completion of the certificate of Secondary education (Matayom 6). Marks are out of 100 or GPA on a 4-point scale where A=4.0, B=3.0, C=2.0, D=1.0. Results in the Joint Higher education entrance examination or Joint entrance examinations of provincial universities are taken into account, if available.

The Philippines: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Russia: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

United Arab Emirates: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or institution.

United Kingdom: GCE A levels – Aggregate is the sum of all Advanced level (A2) subjects taken in the same academic year and at most one Advanced level (A2) subject undertaken in the preceding or following academic year when both A2 level subjects were examined. If more than four subjects are presented, the best four subjects will be used. Completion of only three Advanced level (A2) subjects in the same academic year may also be accepted. Advanced Subsidiary results will not be included. Ranks are calculated on the basis that the Advanced level (A2) A*=6, A=5, B=4, C=3, D=2, E=1.

USA: Successful completion of the highest level of Year 12 education in the country of study plus either successful completion of SAT1 (Total of critical reading, mathematical and writing scores) at competitive standards or an approved associate ship at a community / Junior college.

Vietnam: Successful completion of at least one full-time year at bachelor’s degree level at a recognised university or tertiary institution.

Other: UTS also accepts diplomas and advanced diplomas from Australian Qualifications Framework (AQF) recognised tertiary institutions in Australia, as well as most other Australian foundation studies programs.

**ENGLISH LANGUAGE REQUIREMENTS**

UTS has English language proficiency requirements for all its courses. Please check the requirements that apply to you.

Assessable qualification undertaken in English
You satisfy the UTS English language requirements if you have an assessable qualification that was undertaken in English from one of the following countries (refer to Special Requirements for Nursing courses)

- American Samoa
- Australia
- Botswana
- Canada
- Fiji
- Ghana
- Guyana
- Ireland
- Jamaica
- Kenya
- Lesotho
- Liberia
- New Zealand
- Nigeria
- Papua New Guinea
- Singapore
- Solomon Island
- South Africa
- Tonga
- Trinidad and Tobago
- United Kingdom [including Northern Ireland]
- United States of America
- Zambia
- Zimbabwe

What is an assessable qualification?
Assessable qualifications from the countries listed above that may be accepted as satisfying English proficiency include:

- senior secondary studies comparable with the NSW HSC
- one full year of Australian or comparable tertiary studies, including RATE Associate Diploma and Diploma, Associate Degree, Bachelor degree and postgraduate studies
- comparable AQF Diploma and Advanced Diploma
- Australian or comparable non-award studies and tertiary preparation courses including NSW TAFE Tertiary Preparation Certificate (TPC), with a full-time equivalence of one year.

Completed a course taught in English
If you do not have an assessable qualification from one of the above countries but have successfully completed no less than the equivalent of one year of full-time study of a UTS recognised government accredited, public or private post-secondary/secondary course which is taught in English, equivalent to level of Australian Year 12 or higher, you may satisfy the UTS English language requirement by providing an official document from your institution on the institution letterhead certifying that the medium of instruction for your qualification was English (For undergraduate nursing courses refer to Special Requirements for Nursing courses).

Other acceptable qualifications and English programs
The following are also recognised by UTS as meeting the English language requirements (For undergraduate nursing courses refer to Special Requirements for Nursing courses):

- UTS Insearch Academic English Level 5 (AE5) – “Pass” for courses with an English language admission requirement of IELTS 6.5 with 6.0 in writing (or below)
- UTS Insearch Academic English Level 6 (AE6) – “Pass” for courses with an English language admission requirement of IELTS academic overall score of 7.0
- Australian TAFE (NSW) Certificate IV in English for Academic Purposes (EAP)
- High school English mark equal to or greater than 75% from Austria, Denmark, Finland, France, Germany, Sweden, the Netherlands, Norway or Switzerland
> Successful completion of International Baccalaureate Diploma Program subjects English A: literature or English A: language and literature, where the Diploma Program was taught in a language other than English
> Cambridge certificate of Proficiency in English (CPE):
  > for courses requiring an IELTS academic overall score of 7.5 – Overall score of 56 or above.

> for courses requiring an IELTS academic overall score of 7.0 – Overall score of 51-55.
> for courses requiring an IELTS academic overall score of 6.5 – Overall score of 45-50.

**Previous Education not conducted in English**
If your previous education was not conducted in English you are required to demonstrate proficiency in English by completing an English language test or program recognised by UTS.

English language proficiency test scores are recognised by UTS provided they were obtained fewer than two years prior to application at UTS.

Detailed on page below are the English language requirements for entry into the respective courses.

For all combined courses the highest English language requirement test scores apply.

<table>
<thead>
<tr>
<th>Undergraduate coursework</th>
<th>IELTS (Academic Strand)</th>
<th>TOEFL (internet based)</th>
<th>PTE (Academic)</th>
<th>CAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Engineering and Information Technology courses</td>
<td>6.0 overall with a writing score of 6.0</td>
<td>60 – 78 overall with a writing score of 21</td>
<td>50 – 57</td>
<td>52 – 57</td>
</tr>
<tr>
<td>Bachelor of Nursing and Bachelor of Nursing Bachelor of Arts in International Studies</td>
<td>6.5 overall with a writing score of 6.0</td>
<td>79 – 93 overall with a writing score of 21</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>All other Education courses</td>
<td>6.5 overall with a writing score of 6.0</td>
<td>79 – 93 overall with a writing score of 21</td>
<td>58 – 64</td>
<td>58 – 66</td>
</tr>
<tr>
<td>Bachelor of Education in Primary Education</td>
<td>7.0 overall with a writing score of 7.0</td>
<td>94 – 101 overall with a writing score of 23</td>
<td>65 – 72</td>
<td>67 – 73</td>
</tr>
<tr>
<td>Bachelor of Design (Honours) in Animation Bachelor of Arts (Honours) in Communications</td>
<td>7.0 overall with a writing score of 7.0</td>
<td>94 – 101 overall with a writing score of 23</td>
<td>65 – 72</td>
<td>67 – 73</td>
</tr>
<tr>
<td>All other courses</td>
<td>6.5 overall with a writing score of 6.0</td>
<td>79 – 93 overall with a writing score of 21</td>
<td>58 – 64</td>
<td>58 – 66</td>
</tr>
</tbody>
</table>
Special requirements/consideration

Special requirements for evidence of medium of instruction for Nursing courses

For the Bachelor of Nursing (C10122) and Bachelor of Nursing Bachelor of Arts in International Studies (C10123) degrees offered by the Faculty of Health, applicants with a secondary, vocational or higher education qualification where the applicant furnishes evidence that English was the medium of instruction, will be acceptable from the following countries to ensure compliance with the NSW Nurses and Midwives Board directive of 3 April 2007:

- Australia
- New Zealand
- United Kingdom (including the Republic of Ireland)
- United States
- Canada (Canadian documents would need to verify English as the language of instruction); to ensure equivalence with the Universities Admissions Centre (NSW/ACT Pty Ltd) criteria published annually, and which are applied to all non-English-speaking background, overseas-born or overseas-educated applicants.

To ensure equivalence with the Universities Admissions Centre (NSW/ACT Pty Ltd) criteria published annually, and which are applied to all non-English-speaking background, overseas-born or overseas-educated applicants, the following countries are also deemed to be acceptable based on the applicants providing a medium of instruction letter:

- American Samoa
- Fiji
- Kenya
- Papua New Guinea
- Singapore
- Solomon Islands
- South Africa
- Zambia

If you have completed studies in English but they do not fulfil the above requirements, you will need to provide evidence of the results of a UTS recognised English language test. Please refer to the previous education was not conducted in English, section.

Special consideration for students sponsored through aid programs

Special consideration on English language requirements may be given to the students sponsored through aid programs (such as Australian Awards, World Bank etc) who need to demonstrate an overall IELTS Academic overall band score of 5.5, with a score of 5.0 in Academic Writing (or equivalent scores for all other recognised tests) and compulsory completion of 200 hours of English for Academic Purposes during their first 6 months in Australia, funded by the UTS host Faculty.

Note: In some countries the Australian embassy may have different English language requirements for those seeking a student visa. Check with your nearest Australian Diplomatic Post before registering for an English language test.

Other: UTS also accepts diplomas and advanced diplomas from Australian Qualifications Framework (AQF) recognised tertiary institutions in Australia as well as most other Australian foundation studies programs.

2016 ACADEMIC CALENDAR

In 2016, UTS will introduce a new academic calendar, which includes three teaching periods. In 2016, Autumn session will run from 7 March to 2 July 2016, Spring session from 25 July to 12 November 2016 and Summer session from 21 November 2016 to 4 March 2017. This includes a two week Orientation period for the Autumn session and a one week Orientation period for the Spring session. For some UTS Education courses, the Autumn session will run from 22 February to 2 July 2016 and Spring session from 25 July to 3 December 2016. This includes a one week Orientation period for the Autumn and Spring session.

Our courses will be scheduled to ensure students can progress through the course through the standard Autumn and Spring teaching periods. UTS does not accept/ offer an intake for commencing students in the 2016 Summer session.
# How to Apply

## 1. COMPLETE THE APPLICATION FORM
All international students must complete an international student application form and either:

<table>
<thead>
<tr>
<th>LODGE ONLINE:</th>
<th>or SUBMIT a PAPER-BASED application:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please visit <a href="http://student.uts.apply.studylink.com">http://student.uts.apply.studylink.com</a> Login and register to apply online.</td>
<td>Download an application form from here <a href="http://www.international.uts.edu.au">www.international.uts.edu.au</a></td>
</tr>
</tbody>
</table>

## 2. ATTACH NECESSARY DOCUMENTS
You must attach:

- a certified* copy of your academic records.

Documents not issued in English must be officially translated and submitted together with certified copies in the original language.

- a certified* copy of your English test score (or an official document stating that your previous education was conducted in English, see page 131)

- a portfolio* or personal statement# (where applicable)

- A$100 application fee. If this is not included, your application will not be processed.

## 3. SUBMIT YOUR APPLICATION

### ONLINE:
Check that you have completed all sections, agree to the terms & conditions and pay your application fee online. Submit your application.

### PAPER-BASED:
Copy your documents and submit certified† copies with your application form. See the back cover for our postal and street address.

### APPLICATION CLOSING DATES:
- February/March semester (Autumn) – 15 December
- July semester (Spring) – 15 June

## 4. APPLICATION OUTCOME

### ONLINE:
After submitting your application, you’ll receive immediate acknowledgement by email.

The acknowledgement you receive will include a UTS application number which you should keep and refer to in any future correspondence with UTS International. The application process normally takes about four to six weeks and UTS International will advise you by email of your application outcome.

### PAPER-BASED:
You will receive an email acknowledging receipt of your application approximately one week after it has been received by UTS.

## 5. REQUEST FOR ADDITIONAL INFORMATION
If your documents are insufficient for assessment, you will receive a request for additional information by email.

## 5i. CONDITIONAL LETTER OF OFFER
If your application is approved but there are conditions you must satisfy, you will receive a conditional letter of offer by email. Once these conditions have been met, you will receive an unconditional offer by email.

## 5ii. LETTER OF OFFER
If you have met all specific requirements you will receive an unconditional Letter of Offer by email.

## 6. ACCEPT YOUR OFFER
You will receive information on how to accept your offer with your offer letter.

UTS reserves the right to withdraw an offer of admission or Confirmation of Enrolment (eCoE) in cases where an applicant for admission to a course has not provided true and complete information or where UTS is not satisfied that the student meets the Genuine Temporary Entrant and/or Genuine Student requirements set by the Department of Immigration and Border Protection.

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* See Certification of Documentation on page 135. * See page 135. * See page 135
STREAMLINED VISA PROCESSING
UTS is an approved Streamlined Visa Processing (SVP) provider and recruits students into its degree courses under the SVP arrangements of the Department of Immigration and Border Protection (DIBP). SVP enables students to obtain their student visa quickly and usually with less documentation required.

Visa condition 8516 requires that students who were granted a visa under SVP must continue to maintain enrolment in an SVP eligible course and provider. Thus when you are granted a visa under SVP you must continue to maintain enrolment in an SVP eligible course with an SVP provider, and must continue to have sufficient financial capacity to support your study and stay in Australia. If you transfer to a non-SVP provider or enrol in a non-SVP course your student visa can be cancelled by DIBP. You must take this important information into account when choosing a course and if considering a course change or a move to another provider.

For more information about student visas, visit the DIBP website at www.immi.gov.au

*CERTIFICATION OF DOCUMENTATION
UTS will accept copies certified by employees of one of the following:

> Australian Education Centre
> Australian Overseas Diplomatic Mission
> UTS Authorised Representative or Agent
> Public Notary Office
> the Administration of the Institution which issued the relevant document
> an Australian University

Alternatively, documents verified by someone who is currently employed in AUSTRALIA as:

> an accountant – members of the Institute of Chartered Accountants in Australia, or the Australian Society of Certified Practising Accountants, or the National Institute of Accountants, or the Association of Taxation and Management Accountants or Registered Tax Agents
> a bank or credit union manager
> a barrister, solicitor or patent attorney
> a police officer with the rank of sergeant and above
> a post office manage
> a principal of an Australian secondary college, high school or primary school
> a commissioner for declarations
> a Justice of the Peace where the registration number is clearly indicated

What does correctly certified mean?
Correctly certified means that your original document has been sighted and the copy has been sworn to be a true copy of the original by one of the authorised people mentioned above. Please note that scanned documents or photocopies will not be accepted.

The personal statement should be written by you and should:

> describe your educational experience to this point and how it has prepared you for studying this course
> indicate your knowledge and interest in the area in which you plan to study
> outline your expectations of the course for which you are applying
> reflect on any work (paid or voluntary) you have undertaken – you may also wish to include details of your work history and
> mention anything else about you that will help us assess your application

There is a 2500 word limit for personal statements.

* A portfolio may be required when you apply to study design. Your portfolio should contain between five and ten pieces of original work showing your design ability.

If you are applying for a Visual Communication degree, then your portfolio must contain a minimum of ten pieces. Your portfolio may be submitted as:

> colour photocopies
> photos
> CD-ROM
> DVD
> websites; or
> show reels

Please do not submit copies of your original work, as they may not be returned. We would suggest the portfolio include examples of your design concepts and creativity.

USEFUL LINKS & INFORMATION

Join the UTS community
Join the UTS International student group on Facebook: facebook.com/UTSInternationalstudents to connect with other students and to ask any questions you may have.

Follow UTS International students on Instagram @UTSint to explore the UTS campus and the city of Sydney.

Airport shuttle service
UTS International offers a complimentary airport shuttle service from the airport to UTS (or a convenient CBD location) for students arriving in the two weeks prior to Orientation. Visit www.uts.edu.au/future-students/commencing-students/arriving-and-settling to find out more.

Orientation
Start your UTS experience with all the information you need by participating in UTS’s comprehensive Orientation program. For details visit www.orientation.uts.edu.au
Tuition Fees
Tuition fees vary between courses and range from approximately $12,270 – $17,580 per semester for undergraduate study in 2016. Tuition fees must be paid in advance each semester. Textbooks and other course materials are additional expenses.

The fees for any semester are determined by the number of credit points being undertaken in that semester. Unless noted, the quoted semester tuition fee assumes you will enrol in a standard 100 per cent credit point load for your chosen course, which is normally 24 credit points per semester. Your actual semester course cost may differ from this figure depending on the course and the number of credit points taken per semester.

Fees listed are correct for 2016 only and subject to an increase each calendar year. All fees listed are for 24 credit points in a semester unless otherwise stated.

For detailed information about tuition fees for UTS courses and the UTS Fees and Refund Protocol, visit:
www.uts.edu.au/current-students/managing-your-course/fees-and-payment

Student Services and Amenities Fee
In 2011 the Australian Government passed legislation to allow Australian Universities to have a Student Services and Amenities Fee (SSAF) to support the maintenance of a range of student services at universities. At UTS, the SSAF funds provide support to Students’ Association sponsored activities such as the second-hand bookstore, the UTS Union food, beverage and retail outlets and student clubs, and UTS services supporting skills and language development and the UTS Student Legal Centre.

The SSAF is applicable for all international students. You will be required to pay the SSAF in each semester in which you enrol and the fee will be due after the census date. The SSAF is non-refundable after census date. To give you an estimation of the cost, in 2015 the SSAF was $143.00 per semester for full-time students (those with a study load of 18 credit points and higher per semester). The SSAF will be subject to an annual government set indexation increase.

For further information go to:
www.uts.edu.au/current-students/managing-your-course/fees-and-payment

Credit Recognition

To be granted a student visa by the Australian Government, Overseas Health Cover (OSHC) is required. It is also a visa condition and your responsibility as a student to maintain this health cover throughout your stay in Australia. The university can arrange visa-length cover for you, the cost of which is to be paid at the same time as tuition fees. OSHC covers students for emergency medical attention through the public health system. It does not include physiotherapy, optical or dental care, pregnancy, a pre-existing condition or the cost of admission to a private hospital or non-emergency ambulance transport. Extra insurance is available to cover these additional expenses.

The annual cost for single cover without extras in 2015 was $341.25 for seven months and $682.50 for 14 months.

Accommodation and Living Costs
For a guide to accommodation and living costs for living in Sydney, please turn to page 27 of this guide.

Credit Recognition (formerly known as Recognition of Prior Learning – RPL)
Your prior learning may be considered for credit towards a UTS undergraduate or graduate coursework program where the prior learning is related to assessable components of the course. For example, you may be granted:

- exemption from studying a specific subject within your UTS course if you can prove that you have previously studied a subject equivalent to a required UTS subject.
- general advanced standing for a specific number of subjects if you can prove your prior studies are relevant to your UTS course, but do not directly correspond to specific subjects in the course
- automatic credit if the subject and version required for your current course has been completed as part of another UTS course.

Determination of eligibility for credit recognition towards a particular course does not imply or guarantee that a place is available in that course for the particular applicant.

Applying for Credit Recognition
Submit your application for Credit Recognition along with your International Student Application form.

The following documents must be attached to your application:
1) A fully completed Application for Credit Recognition form, available online at:
www.uts.edu.au/future-students/international/essential-information/credit-recognition
2) Certified copy of academic transcript(s)
3) Certified copies of official subject outline(s)

For each subject exemption sought, you must provide a subject outline with the following details:
- the year the subject outline is relevant to, this must be the same year in which you passed the subject
- the topics covered in the subject
- hours of class time
- the method of assessment used
- textbooks required

A paragraph from an institution’s calendar or handbook is not sufficient. Inadequate outlines will not be accepted.

Subject outlines must be in English. If subject outlines have been translated into English, they must be certified and stamped as translated by a professional interpreter.
## BUSINESS

### Bachelor of Business

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Duration (Semesters)</th>
<th>Course Fee (A$/Semester)</th>
<th>Course Intake</th>
<th>Entry Requirements</th>
<th>Campus Location</th>
<th>ATAR</th>
<th>GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)</th>
<th>CRICOS Code</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10026</td>
<td>Accounting</td>
<td>6</td>
<td>$14,220</td>
<td>Mar/July City</td>
<td>83.95 17/14 12 70 (GPA 2.8) 3.2 17 86 14 30 1630 006487A</td>
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<td>Finance</td>
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<td>Financial Services</td>
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<td>C10026</td>
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### Bachelor of Management

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Duration (Semesters)</th>
<th>Course Fee (A$/Semester)</th>
<th>Course Intake</th>
<th>Entry Requirements</th>
<th>Campus Location</th>
<th>ATAR</th>
<th>GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)</th>
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</thead>
<tbody>
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### Honours Courses

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<th>Course Name</th>
<th>Course Duration (Semesters)</th>
<th>Course Fee (A$/Semester)</th>
<th>Course Intake</th>
<th>Entry Requirements</th>
<th>Campus Location</th>
<th>ATAR</th>
<th>GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)</th>
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### Combined Degrees

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Duration (Semesters)</th>
<th>Course Fee (A$/Semester)</th>
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<tr>
<td>C10125</td>
<td>Bachelor of Business Bachelor of Laws</td>
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### Combined Degrees – Bachelor of Management and Bachelor of Arts in International Studies

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*Mid-year (July) intake may be considered on a case-by-case basis by the faculty.*
**COMMUNICATION**

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### Combined Degrees – Bachelor of Arts in Communication and Bachelor of Arts in International Studies

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* Bachelor of Arts (Honours) in Communication applicants must complete an information pack and submit a supplementary form before their application can be assessed by the faculty.

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To calculate your score, see pages 130–131
**Course Code** | **Course Name** | **Course Duration (Semesters)** | **Course Fee (A$/Semester)** | **Course Intake** | **Campus Location** | **ATAR** | **GCE A Level (UK) (Best 4 A Level subjects /3 A Level subjects only)** | **STPM (3 AL Subjects)** | **Matricom 6** | **Senior High School Diploma (S Korea)** | **HKDSE** | **ISC (India)** | **AISSC (India)** | **IB** | **SAT I** | **CRICOS Code** | **Page Number**
C10214 | Construction Project Management | 8 | $13,420 | Mar | City | 8.15 | 16/14 | 11 | 68 (GPA 2.7) | 3.1 | 17 | 84 | 13 | 29 | 1590 | 044183B | 52
C10273 | Animation | 6 | $14,770 | Mar | City | 79.4 | 16/13 | 10 | 64 (GPA 2.6) | 3.1 | 16 | 82 | 12.5 | 28 | 1560 | 074703A | 53
C10004 | Architecture | 6 | $14,770 | Mar | City | 86 | 18/15 | 14 | 76 (GPA 3.0) | 3.3 | 18 | 88 | 15 | 31 | 1680 | 044179J | 54
C10306 | Fashion and Textiles | 6 | $14,770 | Mar | City | 83.5 | 17/14 | 12 | 70 (GPA 2.8) | 3.2 | 17 | 86 | 14 | 30 | 1620 | 077334G | 55
C10304 | Integrated Product Design | 6 | $14,770 | Mar | City | 75 | 15/12 | 8 | 58 (GPA 2.3) | 2.9 | 15 | 79 | 11 | 26 | 1500 | 077331M | 55
C10271 | Interior and Spatial Design | 6 | $14,770 | Mar | City | 76.25 | 15/13 | 8 | 60 (GPA 2.4) | 3.0 | 15 | 80 | 11.5 | 27 | 1510 | 071631C | 56
C10265 | Photography and Situated Media | 6 | $14,770 | Mar | City | 70 | 13/11 | 5 | 50 (GPA 2.1) | 2.7 | 14 | 75 | 9 | 25 | 1430 | 067912F | 57
C10308 | Visual Communication | 6 | $14,770 | Mar | City | 84.7 | 17/15 | 13 | 74 (GPA 3.0) | 3.2 | 18 | 87 | 14 | 30 | 1650 | 077339C | 58
C10341 | Landscape | 8 | $14,770 | Mar | City | 79.5 | 16/13 | 10 | 64 (GPA 2.6) | 3.1 | 16 | 82 | 12.5 | 28 | 1560 | 080269G | 56
C10310 | Bachelor of Property Economics | 6 | $13,420 | Mar | City | 76 | 15/13 | 8 | 60 (GPA 2.4) | 3 | 15 | 80 | 11.5 | 27 | 1510 | 079553C | 59
C09048 | Bachelor of Design (Honours) in Architecture | 2 | $14,770 | Mar | City | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 044180E | -
C09052 | Bachelor of Design (Honours) in Photography and Situated Media | 2 | $14,770 | Mar | City | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 068111J | -
C09055 | Bachelor of Design (Honours) in Interior and Spatial Design | 2 | $14,770 | Mar | City | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 071630D | -
C09064 | Bachelor of Design (Honours) | 2 | $14,770 | Mar/July | City | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 079560D | -
C10274 | Animation* | 10 | $14,770 | Mar | City | 84.35 | 17/15 | 13 | 72 (GPA 2.9) | 3.2 | 18 | 87 | 14 | 30 | 1640 | 074704M | -
C10307 | Fashion and Textile Design* | 10 | $14,770 | Mar | City | 85.1 | 17/15 | 14 | 74 (GPA 3.0) | 3.3 | 18 | 87 | 14.5 | 30 | 1660 | 077338D | -
C10305 | Integrated Product Design* | 10 | $14,770 | Mar | City | 85.35 | 17/15 | 14 | 74 (GPA 3.0) | 3.3 | 18 | 87 | 14.5 | 30 | 1660 | 077333J | -
C10272 | Interior and Spatial Design* | 10 | $14,770 | Mar | City | 83.4 | 16/14 | 12 | 70 (GPA 2.8) | 3.2 | 17 | 86 | 14 | 30 | 1620 | 077146D | -
C10309 | Visual Communication* | 10 | $14,770 | Mar | City | 88.35 | 18/16 | 15 | 80 (GPA 3.2) | 3.4 | 19 | 90 | 15.5 | 32 | 1720 | 077341J | -
C10266 | Photography and Situated Media* | 10 | $14,770 | Mar | City | 85.5 | 17/14 | 17 | 74 (GPA 3.0) | 3.3 | 19 | 87 | 14.5 | 30 | 1660 | 068104G | -
C10215 | Construction Project Management | 12 | $13,420 | Mar | City | 86.5 | 18/15 | 13 | 72 (GPA 2.9) | 3.3 | 18 | 88 | 15 | 31 | 1680 | 047836A | -
C10320 | Property Economics | 10 | $13,420 | Mar | City | 84.15 | 17/15 | 13 | 72 (GPA 2.9) | 3.2 | 18 | 87 | 14 | 30 | 1640 | 079556M | -

* Bachelor of Design (Animation, Architecture, Fashion and Textile, Industrial, Interior and Spatial, Photography and Situated Media, Visual Communication) applicants may be required to submit a portfolio and a personal statement.

continued on next page
### EDUCATION

#### Bachelor of Education

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<th>Course Fee (A$/Semester)</th>
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### ENGINEERING

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<td>Mechanical</td>
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<sup>*This published fee is based on 24 credit points per semester, during the Diploma year the fee per semester is based on 18 credit points.</sup>
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**Bachelor of Engineering Science**

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**Combined Degrees**

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**Honours Courses**

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* Admission requirements: 1. For applicants applying to do the 2yr BN program with 24 credit point recognition, their degree must have been completed within eight years at the time of their commencement on the program and must be a health related degree. 2. All other applicants must meet the requirements for admission to a bachelor program.

^ This published fee is based on 24 credit points per semester, during the Diploma year the fee per semester is based on 18 credit points.
### HEALTH (CONTINUED)

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<th>STPM/3AL Subjects</th>
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<th>Senior High School Diploma</th>
<th>HSCHE</th>
<th>IGCSE (india)</th>
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### INFORMATION TECHNOLOGY

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<th>STPM/3AL Subjects</th>
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<th>Senior High School Diploma</th>
<th>HSCHE</th>
<th>IGCSE (india)</th>
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* Mid-year (July) intake may be considered on a case-by-case basis by the faculty
** Applicants who have completed the 19050 Diploma of Information Technology (Games Development) at TAFE NSW receive 48 credit points of credit recognition (formerly RPL)
^ This published fee is based on 24 credit points per semester, during the Diploma year the fee per semester is based on 18 credit points.

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Combined Degrees – Bachelor of Arts in Communication and Bachelor of Laws

C10258 Journalism 10 $17,580 Mar/July City 92.05 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10259 Media Arts and Production 10 $17,580 Mar/July City 92.2 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10261 Public Communication 10 $17,580 Mar/July City 92.4 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 049107G 114
C10260 Social Inquiry 10 $17,580 Mar/July City 92 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10313 Creative Writing 10 $17,580 Mar/July City 92.2 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 079599G -
C10316 Digital and Social Media 10 $17,580 Mar/July City 92.5 19/17 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 079563A -

The Bachelor of Laws combined degrees do not contain a Practical Legal Training component. Please contact your UTS:I representative if you require further information. For more information about the non-law component of a combined degree, please refer to the listing in the relevant partner study area.

SCIENCE

C10115 Bachelor of Biomedical Science 6 $16,270 Mar/July City 80 16/14 10 66 [GPA 2.6] 3.1 17 83 13 28 1580 026805D 112
C10172 Bachelor of Biotechnology 6 $16,270 Mar/July City 75 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10174 Bachelor of Forensic Biology in Biomedical Science 6 $16,270 Mar/July City 80 16/14 10 66 [GPA 2.6] 3.1 17 83 13 28 1580 049107G 114
C10244 Bachelor of Forensic Science in Applied Chemistry 6 $16,270 Mar/July City 75 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10186 Bachelor of Health Science in Traditional Chinese Medicine 8 $15,330 Mar/July 95 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 026806C 112
C10158 Bachelor of Mathematics and Computing 6 $15,330 Mar/July City 71.25 13/12 5 52 [GPA 2.6] 2.8 14 76 9.5 25 1450 026805D 112
C10155 Bachelor of Mathematics and Finance 6 $15,330 Mar/July City 75 16/14 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 086710G 118
C10184 Bachelor of Medical Science 6 $16,270 Mar/July City 80 16/14 10 66 [GPA 2.6] 3.1 17 83 13 28 1580 026807A 119
C10228 Bachelor of Marine Biology 6 $16,270 Mar/July City 72 14/12 6 54 [GPA 2.2] 2.8 14 77 10 25 1460 079563G 116
C10223 Bachelor of Environmental Biology 6 $16,270 Mar/July City 71 13/12 5 52 [GPA 2.1] 2.8 14 76 9.5 25 1450 079563G 113
C10275 Bachelor of Medicinal Chemistry 6 $16,270 Mar/July City 80 16/14 10 66 [GPA 2.6] 3.1 17 83 13 28 1580 084274A 120
C10346 Bachelor of Biomedical Physics 6 $16,270 Mar/July City 80 16/14 10 66 [GPA 2.6] 3.1 17 83 13 28 1580 084271D 111

Bachelor of Advanced Science

C10347 Advanced Materials 6 $16,590 Mar/July 85 17/15 14 74 [GPA 3.0] 3.3 18 87 14.5 30 1660 084270E 110
C10347 Environmental Biotechnology 6 $16,590 Mar/July 85 17/15 14 74 [GPA 3.0] 3.3 18 87 14.5 30 1660 084270E 110
C10347 Infection and Immunity 6 $16,590 Mar/July 85 17/15 14 74 [GPA 3.0] 3.3 18 87 14.5 30 1660 084270E 110
C10347 Pre-Medicine 6 $16,590 Mar/July 85 17/15 14 74 [GPA 3.0] 3.3 18 87 14.5 30 1660 084270E 110

Bachelor of Science

C10242 Applied Chemistry 6 $16,270 Mar/July City 71.65 13/12 5 52 [GPA 2.1] 2.8 14 76 9.5 25 1450 040705B 121
C10242 Applied Physics 6 $16,270 Mar/July City 71.2 13/12 5 52 [GPA 2.1] 2.8 14 76 9.5 25 1450 040705B 121
C10242 Biomedical Science 6 $16,270 Mar/July City 75 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 040705B 121
C10242 Biotechnology 6 $16,270 Mar/July City 75 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 040705B 121
C10242 Chemical Science 6 $16,270 Mar/July City 72 14/12 6 54 [GPA 2.2] 2.8 14 77 10 25 1460 040705B 121
C10242 Environmental Sciences 6 $16,270 Mar/July City 70.7 13/12 5 50 [GPA 2.0] 2.7 14 75 9 25 1440 040705B 121
C10242 Mathematics 6 $16,270 Mar/July City 75 15/12 8 58 [GPA 2.3] 2.9 15 79 11 26 1500 040705B 121

* Mid-year intake may be considered on a case-by-case basis
** The Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies is only available through internal transfer after completion of the first year of study. Students wishing to undertake this combined degree should enrol in the Bachelor of Health Science in Traditional Chinese Medicine then apply for internal transfer.
## Course Summary Tables

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* Mid-year intake may be considered on a case-by-case basis
### SCIENCE (CONTINUED)

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### STUDY ABROAD PROGRAM

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<td>Minimum entry requirements are as follows: The Australian Language and Culture Program Studies allows students who do not meet the English language requirements for Study Abroad or Exchange to study one to two semesters at UTS if they meet the English language proficiency level of IELTS 5.0 - 6.0 or equivalent.</td>
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**Notes:** Fees listed are correct for 2016 only and are subject to an increase each calendar year. All fees are listed for 24 credit points in a semester unless otherwise stated.
Each university has its own terminology, grading system and calendar. To make it as easy as possible for you to use this course guide, we have defined some of our key terms below. If you require further information, visit our website www.international.uts.edu.au or contact us at international@uts.edu.au

**Academic adviser:** a member of academic staff in a specific faculty who advises students to ensure they satisfy academic progression requirements.

**Admission:** the process of applying for, being made an offer to, accepting the offer of admission and being admitted to a course or program of study at the university.

**Advanced standing:** see credit recognition.

**Assumed knowledge:** additional knowledge specified by some courses as part of the entry requirements. This prior knowledge is often gained in specific subjects [such as physics or chemistry], or it may have been obtained elsewhere. If you do not have the required assumed knowledge, you may still be accepted, but a bridging course may be required.

**ATAR (Australian Tertiary Admission Rank):** the percentile ranking awarded to students upon successful completion of their Australian matriculation exams. Each undergraduate degree has a minimum ATAR requirement which must be met by students applying to study that course. Equivalent scores are calculated for many international qualifications. See pages 130–131 and 138–147 for further information or entry requirements specific to your course.

**Bridging course:** a course offered as an extra-curricular study to provide students with the assumed knowledge required for certain degrees.

**Campus:** the university grounds, including the buildings.

**Combined degrees:** offer students the opportunity to concurrently study two programs from different academic areas and graduate with two degrees.

**Course:** the name given to the degree of your choice, eg Bachelor of Business.

**Credit point:** the unit of measure of workload for individual subjects (allocated based on the amount of work required in that subject). Credit points are gained by students enrolled in award courses when subjects are passed and when accumulated, credit points form one measure of the total requirements of a course. Most subjects at UTS are 6 to 8 credit points each.

Australian student visa regulations require international students to complete their course within the standard full-time duration. At UTS, the study load required to complete a course within the standard duration varies between 18 and 32 credit points per semester, depending on your area of study and specialisation.

For more information about student visas, visit the Australian Government Department of Immigration and Border Protection website at www.immi.gov.au

**Credit recognition:** [also known as ‘advanced standing’, ‘recognition of prior learning’ and in some cases referred to as ‘exemption’ or ‘credit’]: the process of recognising what an individual student already knows or can do, for credit towards a course. For more information, please go to page 136.

**CRICOS code:** an official code given to a course to confirm that the course is registered to be offered to international students.

**Electives:** some courses allow you to choose elective subjects outside your core study area as part of your course. Not all electives are available each semester. Due to timetabling you may not always get first choice electives.

**English language requirements:** To be eligible for admission into an undergraduate course, you must demonstrate proficiency in written and spoken English if your previous education was not conducted in English. Please see page 131–132 for specific English language requirements for each course.

**Fees:** are charged per credit point, and the cost of each credit point will depend on the course you are studying (see www.uts.edu.au/future-students/international/essential-information/fees-information for the most up-to-date information on fees). The fees in this course guide have been calculated on a 24 credit point semester in 2016, unless otherwise stated.

**Lectures:** classes that are taught in large groups, usually conducted in lecture halls. The lecturer will provide students with course material, which is often later discussed and debated in smaller tutorial groups.

**Major:** an area you choose to specialise in during your studies. Your course will be structured around a sequence of subjects which form this major. Students can choose other unrelated subjects to undertake in conjunction with majors subjects, but cannot graduate unless the criteria of their chosen major is met.

**Pre-requisite:** one or more units of subject/s, specified by the faculty board, that a student must already have completed before being eligible to enrol in a particular unit or course.

**Semesters:** the blocks of time during which classes run on campus. At UTS, an academic year has two semesters. In 2016, the Autumn semester will run from March to July, the Spring semester from July to November and the Summer session from November to March. There is no intake for the Summer session.

**Sub-major:** a group of subjects which, alongside the major, will form the structure of your course. The sub-major works the same way as your major in that there will be a specific number of required credit points that need to be met.

**Subjects:** units that cover different areas within your chosen course. They are a combination of core subjects [these are compulsory] and electives.

**Subject outline:** an official document that represents the statement of subject requirements that is authoritative for both the university and the students undertaking the subject. It includes details of the minimum essential requirements necessary to pass the subject, material and equipment that may be taken into an examination and may prescribe attendance and/or participation requirements.

**Transnational:** Delivery of Australian (or UTS) courses and qualifications overseas, allowing students to study Australian qualifications in their home country of region. Also known as offshore courses.

**Tutorials:** small classes of students, which provide a more personal, interactive teaching space for students and tutors to discuss, debate and ask any questions they may have about the course material.

**Undergraduate:** a student who is undertaking a bachelor’s degree.
CONTACT UTS

**UTS International** offers advice and support to international students during the application process and throughout their studies at UTS. We are located at the City campus. Contact us at:

www.international.uts.edu.au

**General enquiries:**
international@uts.edu.au
outside Australia:
Tel: + 61 3 9627 4816
freecall within Australia:
1800 774 816

**Application enquiries:**
international.applications@uts.edu.au
Tel: + 61 2 9514 1531
Fax: + 61 2 9514 1530

**Postal Address**
UTS International
University of Technology Sydney
PO Box 123
Broadway NSW 2007
Australia

**City campus address**
UTS International
University of Technology Sydney
Level 3A, UTS Tower Building
15 Broadway, Ultimo

www.facebook.com/ utsinternationalstudents
instagram.com/utsint

UTS CRICOS Provider Code: 00099F
UTS:INSEARCH CRICOS Provider Code: 00859D

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