UTS
UNIVERSITY OF TECHNOLOGY SYDNEY

INTERNATIONAL UNDERGRADUATE

COURSE GUIDE 2018

www.international.uts.edu.au

WELCOME

A degree at UTS will set you apart from the crowd. With our campus positioned in the heart of Sydney's creative and digital industries hub, you'll be part of a thriving entrepreneurial community, exploring new possibilities at the intersection of technology and creativity.

Welcome to UTS: Australia's number one young university.

UTS is a leader in entrepreneurship and innovation. We're Australia's top young university and we rank amongst the world's top 10 universities under 50 years of age (QS top 50 under 50 ranking 2016-2017).

A degree at UTS will set you apart from the crowd. With our campus positioned in the heart of Sydney's creative and digital industries hub, you'll be part of a thriving entrepreneurial community, exploring new possibilities at the intersection of technology and creativity.

Our signature teaching and learning style is designed to meet the needs of tomorrow and to prepare you for the jobs of the future. We're committed to developing the next generation of thought leaders and change makers.

Our strong partnerships with companies and professional bodies provide opportunities for you to network with industry experts and future employers. Internships are a common feature of most UTS degrees, as are opportunities for international study and work experience.

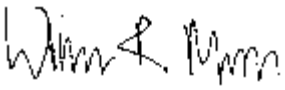
I'm proud of our vibrant and culturally diverse student body. Each year we welcome more than 4800 international students to our campus. Our students come from 120 different countries, including Australia, bringing diverse ideas and perspectives to our classrooms.

At UTS, we believe a successful education goes beyond the classroom. From English language support, to career programs that improve your employability skills; we offer a wide range of support services to help international students thrive at UTS.

I encourage you to join the Community Connections program for a chance to mix with Australian and international students, and discover more about the wider Sydney community. You can also participate in our global leadership program BUiLD or our volunteering program SOUL to make a positive impact on communities in Australia and abroad.

As you read through this 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 most exciting global cities.

I look forward to seeing you on campus.



Professor William R. Purcell
Deputy Vice-Chancellor and Vice-President (International and Advancement)

Cover Image:
Thanks to our students for agreeing to be photographed, L-R: Tushar Gupta (India), Rebecca Vogel (Australia), Paige Chiang (Taiwan)

Vicki Sara Building, home of the Faculty of Science and Graduate School of Health.
Photo: Anna Zhu

Thank you to all our students for agreeing to be photographed for this publication.

think green do.

Within the Australian Technology Network (ATN) agreement, UTS has committed to a 30 per cent reduction in greenhouse gases (from 2007 levels) by 2020/21.

For more information, visit
www.sustainability.uts.edu.au

AUSTRALIAN TECHNOLOGY NETWORK OF UNIVERSITIES

UTS is a member of the Australian Technology Network (ATN), an influential alliance of five distinctive and prominent Australian universities located in each mainland state. ATN is committed to forging partnerships with industry and government to deliver practical results through focused research. The Network educates graduates who are ready to enter their chosen profession, dedicated to the pursuit of knowledge and eager to claim a stake in building sustainable societies of the future; and continues to champion the principles of access and equity that have ensured its members are the universities of first choice for more students.

CONTENTS

STUDY IN THE HEART OF SYDNEY

Sydney is an exciting harbour city known world-over for its beautiful beaches, national parks, cultural diversity and relaxed suburbs.

The mild climate and relaxed attitude make Sydney an ideal place to enjoy the outdoors and celebrate cultural diversity. Year-round food, arts, sports, entertainment and music festivals mean there's always something exciting to do in this stunning city.

POPULATION OF AUSTRALIA: 24.3 MILLION (ABS)

POPULATION OF GREATER SYDNEY: 4.9 MILLION (ABS)

"Sydney's really amazing – every day you discover something new. When I got here, I really felt like this was where I was supposed to be. There's always something to do and places to visit."

SAJNA VINOD, INDIA
Master of Human Resource Management

TOP 10 THINGS TO DO AROUND SYDNEY

1. Catch the ferry to Manly for priceless views of Sydney Harbour.
2. Visit the iconic Sydney Opera House to snap a photo, and watch a performance if you can.
3. Walk the coastal track from Bondi Beach to Coogee and cool off with a swim (in between the flags, of course!).
4. Take in the view from Taronga Park Zoo as you visit some of Australia's unique native animals.
5. Walk across the Sydney Harbour Bridge and take in the breath-taking views of the city and harbour.
6. Catch a flick at an open air cinema, such as the one at Mrs Macquarie's Chair, which offers the Harbour Bridge as a backdrop.
7. Explore Sydney's unique heritage in The Rocks and at Barangaroo Reserve, with its harbour lookouts and striking foreshore.
8. Enjoy the restaurants and incredible fireworks displays at the Darling Harbour entertainment precinct.
9. Watch a game of cricket, tennis, rugby league, AFL or soccer at one of the city's exciting sports grounds – get in the mood by wearing some team colours.
10. Venture to the Blue Mountains for bushwalking and spectacular scenery.

2nd FRIENDLIEST CITY
Condé Nast Traveler's Top 10 Friendliest Cities, 2016

4th BEST STUDENT CITY
QS Best Student Cities 2016

10th BEST CITY FOR QUALITY OF LIFE
Mercer's 2016 Quality of Living survey

Sydney is a popular destination for world-class events and festivals, many of which are outdoors and free! From theatre under the stars, to major sporting events, art exhibitions and international music and cultural activities, Sydney offers entertainment to suit all tastes.

SYDNEY'S CLIMATE IS MODERATE				
		Celsius °C	Fahrenheit °F	Sunny days
Autumn	March – May	15–22	58–72	59
Winter	June – August	9–17	48–63	63
Spring	September – November	11–23	52–73	61
Summer	December – February	19–26	65–78	60

Source: www.australia.com

SYDNEY'S CITY UNIVERSITY

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

UTS is located in the heart of Sydney, one of the world's most vibrant, friendly and liveable 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 digital creative industries precinct, close to major design, architecture, advertising, fashion and media businesses, and film and television broadcasters. More than 40 per cent of Australia's creative and digital businesses are located in Sydney.

Sydney is the capital of Australia's Information and Communication Technology (ICT) industry, with more than 60 per cent of regional ICT headquarters and operations centres located in the city.

More than 60 per cent of Australia's start-ups are located in Sydney. With the highest density of technology start-ups in Australia based in the suburb surrounding UTS, you'll be part of a thriving entrepreneurial community.

Sydney is also Australia's business and financial capital; 90 per cent of international banks have made their regional headquarters in Sydney. The city is also home to 60 per cent of all Asia-Pacific regional headquarters, which includes more than 200 multinational companies.

With UTS located in the heart of a changing and vibrant locale, along with a range of developments and partnerships in the southern CBD, you will benefit from learning in such a dynamic creative and cultural precinct in Sydney.

UTS PROGRAMS OUTSIDE AUSTRALIA

UTS offers students the opportunity to study UTS courses in China and Hong Kong. The courses have the same structure, learning outcomes and award as the courses delivered at UTS in Sydney.

www.uts.edu.au/future-students/international/offshore-courses

"Being a Sydneysider has been one of the best personal experiences in my life. The city is full of life, there are awesome sights, lots of outdoor activities and the food is incredible."

Cristian Vallejo Carpio, Ecuador
Master of Engineering

Destination NSW

SYDNEY'S CENTRAL BUSINESS DISTRICT

UTS CITY CAMPUS IS:

- **5 minute walk** to Central Station, Chinatown and Darling Harbour
- **10 minutes** by train to the Sydney Opera House
- **10 minute** 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

UTS's central location means you can easily access Sydney's attractions, entertainment and essential services from our campus doorstep.


Anna Zhu

CENTRAL PARK

Directly across from the UTS Tower Building is open parkland and the Central Park complex, with places to shop and dine, as well as pop-up galleries, live music and installations. Nearby Kensington Street offers restaurants, bars, cafés and Spice Alley – an Asian-style outdoor street-food market.


Destination NSW

DARLING HARBOUR

From Central Station, walk along The Goods Line, a shared pedestrian and cycle path, past UTS's Dr Chau Chak Wing Building to Darling Harbour. You'll find numerous restaurants and attractions, as well as spectacular fireworks displays during special events.


Anna Zhu

CHINATOWN

UTS is close to Chinatown, host to a number of Chinese, Vietnamese, Malaysian, Thai, Korean and Japanese restaurants. You'll also find a variety of specialty supermarkets and Paddy's Market – a large indoor market selling a wide variety of foods, fashion, gifts and small household supplies.

UTS RANKINGS

TOP 10 GLOBALLY
QS Top 50 Under 50 2016-2017

TOP 200 GLOBALLY
QS World University Rankings 2016/17

WINNER
HYBRID LEARNING AWARD
QS Reimagining Education Awards 2015

1ST IN AUSTRALIA
Times Higher Education Young University Rankings 2017

QS Top 50 Under 50 2016/17

TOP 250 GLOBALLY
Times Higher Education World University Rankings 2017

TOP 400 GLOBALLY
Shanghai Jiao Tong Academic Ranking of World Universities (ARWU) 2016

95%
OF UTS RESEARCH BENCHMARKED AT "WORLD STANDARD OR ABOVE"
Australian Federal Government's Excellence in Research for Australia report 2015

"UTS now ranks in the top 10 young universities in the world and within the top 200 universities globally - both outstanding achievements. These rankings are further evidence of UTS's reputation for excellence in research and innovation in our teaching, providing a differentiated student experience aimed at the future.

We continue to innovate and improve the quality of the educational experience we offer our students, and the quality and impact of our research, increasing the benefits we deliver for society. We are well on our way towards our vision of becoming a world-leading university of technology."

PROFESSOR ATTILA BRUNGS
VICE-CHANCELLOR
UNIVERSITY OF TECHNOLOGY SYDNEY (UTS)

FACTS AND FIGURES

Exchange agreements with more than **267** **UNIVERSITIES** in **43** countries and territories

Our students represent **120** different nationalities

145 languages spoken

40,645 students enrolled at UTS

11,420 international students

76% of Australian-resident graduates were in **FULL-TIME** or **PART-TIME EMPLOYMENT** three months after completing study. (2015 Australian Graduate Survey)

180 undergraduate and **190** postgraduate courses

200,000 **UTS ALUMNI**

Photo: Coptercam

Choose UTS

PRACTICE-BASED LEARNING

UTS courses are renowned for their practice-based approach. You are equipped with as much hands-on experience as possible and exposed to cutting-edge technology, so you develop the knowledge and skills valued by employers.

At **UTS Business School** you'll engage in a practical and integrative approach to business education. Connect with industry as you undertake internships and professional work placements, and apply the knowledge gained from your degree to real-world projects with industry partners.

UTS: Communication courses combine theory and practice to produce work-ready graduates that are creative, flexible and professional. Develop your portfolio, with assignments based on real-world case studies or undertake a faculty facilitated internship.

Learn from industry-leading professionals and internationally respected academics throughout your **UTS: Design, Architecture and Building** degree. Collaborate on projects with other students, including those from other disciplines, and access our state-of-the-art facilities.

As a **UTS: Health** student you will develop your practical skills in our expansive clinical laboratories, and through external clinical placements and sport and exercise industry internships. Underpinned by cutting-edge research and developed in consultation with industry, our degrees are designed to meet the future needs of the health industry.

Join **UTS: Education**, a leading provider of practice-oriented learning in teacher education, language and literacy teaching. Gain on-the-job training through professional experience placements and graduate with the skills, knowledge and hands-on experience sought by employers worldwide.

As a **UTS: Engineering** student you can take advantage of our strong industry partnerships by undertaking an internship as part of your undergraduate degree. Acquire industry-relevant knowledge and skills through courses that have been developed in consultation with industry.

Choose UTS

HOW YOU'LL LEARN AT UTS

At UTS, you will engage in activities designed to help you develop the knowledge, skills and attributes to become a professional in your chosen area. You will gain these skills through our unique approach to learning: a seamless integration of the best of online and face-to-face collaborative on-campus learning.

Credit: silkwayrain; Thinkstock

UTS: Information Technology has strong links with industry, and our courses are recognised for being practice-based and industry-relevant. Taught by lecturers and industry professionals who are leaders in their fields, our courses help you to succeed in an industry that is subject to increasingly rapid technological change.

Acquire in-depth knowledge of the language and culture of a country with **UTS: International Studies.** Gain an international perspective and improve your sociocultural skills to increase your employability in the global marketplace.

Develop your global work-ready skills throughout your **UTS: Law** degree, which will prepare you to thrive in today's rapidly changing legal profession. Learn from internationally recognised academics and enhance your leadership skills in our Brennan Justice and Leadership Program.

Engage in practice-based learning throughout your **UTS: Science** degree, giving you scientific knowledge and professional expertise. Learn from academics that are experts in their field and have a wealth of knowledge and experience in academia and industry.

Develop the unique combination of digital literacy, problem-solving skills and creativity, and prepare yourself for the jobs of the future with **UTS: Transdisciplinary Innovation**. Collaborate with students from varied backgrounds to integrate data, information, tools, techniques, perspectives, concepts and/or theories to generate innovative and novel approaches to complex applied problems.

Choose UTS

OUR CONNECTIONS

UTS **partners with leading organisations** that recognise the value of creativity and technology in driving business results. Our connections with industry and wide networks will help you develop valuable skills, knowledge and experience, and make contacts to boost your career opportunities.


Srinivas Madhisetty

ACCESS TO INDUSTRY

At UTS, you will **connect with industry** throughout your degree. Engage in industry projects, develop solutions to real-world problems and benefit from industry-run competitions. Our industry practitioners also conduct guest lectures, participate in mentoring programs and give advice at networking events. Our courses are also developed in consultation with industry to ensure you are learning the most up-to-date techniques and industry best practice. Some UTS courses also include professional internships or industry placements as part of your degree, giving you the opportunity to place your knowledge in a real-world context.

INDUSTRY EXPERTS

Many of our teachers are **experts in their field**, enriching your learning experience with access to the most current industry expertise and networks across government, community bodies and the professions. Apple 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.

RESEARCH

UTS is a **research-intensive university** with a rapidly growing reputation for its research quality and impact across a wide range of fields. UTS works with a range of industry partners on issues that impact society, business, government, the environment and community. UTS has established high-quality research links with partner universities in Asia, Europe and Latin America through our **Key Technology Partnerships** program. These partnerships offer opportunities for students to undertake dual or joint doctoral degrees and for academics to develop international research collaborations.

UTS PARTNERS WITH SYDNEY CRICKET GROUND (SCG)

UTS has partnered with the Sydney Cricket and Sports Ground Trust (SCGT), the first partnership of its kind in Australia. New purpose-built facilities are also due to open in 2018. Students studying Sport and Exercise Science and Management will have some classes at UTS facilities in the SCG precinct. Students will engage in learning in this **vibrant sports environment** and be in close proximity to the elite sports already based at the SCG precinct, including cricket, rugby league, rugby union, Australian rules and football.

Photo supplied by UTS student Wilson Kwong

Ethan Rohloff, Destination NSW

UTS:HATCHERY

The Hatchery is a unique program that gives you the start-up skills and training needed to launch your entrepreneurial future. Students from all faculties engage in classes, workshops, meet-ups and networking functions throughout the 15-week program. Since The Hatchery launched in 2015, students have worked with organisations such as Microsoft, Commonwealth Bank of Australia (CBA) and Australian Broadcasting Corporation (ABC) as well as Fishburners, Australia's largest co-working space.

UTS: Hatchery+ supports early stage ventures founded or co-founded by UTS students and recent graduates. This is done by providing start-up teams with a collaborative and supported co-working space and a 3 month accelerator program that includes mentorship with leading experts from the start-up ecosystem, alongside relevant workshops and master classes.

GAIN A GLOBAL OUTLOOK

At UTS, you'll broaden your way of thinking with international perspectives integrated into every facet of university life. UTS is building a strong network of strategic partnerships around the world that support our pathway programs, joint research programs and exchange opportunities.

UTS has one of the largest student mobility programs in Australia. As part of our **Global Exchange program** you have the opportunity to study in one of 267 universities around the world for one or two sessions. **UTS BUiLD** also offers short-term overseas opportunities, to help you develop your leadership and intercultural capabilities. On campus, you can connect with students from Australia and around the world through our **Community Connections program, Peer Network** and **student clubs**.

Choose UTS

AUSTRALIA'S MOST INNOVATIVE CAMPUS

UTS delivers a vibrant and engaging education precinct. Our **world-class facilities** support our innovative and technology-based model of learning, offering a suite of spaces where you can learn and collaborate with industry, students and the UTS community.

DR CHAU CHAK WING BUILDING

Designed by world renowned architect Frank Gehry, the **UTS Dr Chau Chak Wing Building** embodies the UTS Business School's commitment to fostering ideas and collaboration with industry and research.

The building features learning spaces that encourage collaboration and innovation. The oval classrooms facilitate interaction and dialogue, while collaborative theatres and classrooms encourage discussion and group work, and the student lounge is an inviting place to study.

Photo: Andrew Worssam

ENGINEERING AND IT BUILDING

The **Engineering and IT Building** contains civil, electrical, information and communication technology, and mechanical laboratories where you can gain hands-on experience. The UTS 3D Data Arena showcases the latest in immersive technology allowing researchers to discover new insights into big data. Classrooms and collaborative theatres facilitate multiple forms of engagement and the FEIT Learning Precinct gives you access to teachers for individual and small group support.

Photo: Andrew Worssam

VICKI SARA BUILDING

The Vicki Sara Building, home of the Faculty of Science and Graduate School of Health, features a mix of collaborative learning spaces, as well as specialist and research labs. A multi-disciplinary Super Lab is equipped to teach over 200 students at any one time. The Crime Scene Simulation Lab replicates a real crime scene, and is used to simulate crimes to train forensic scientists.

Simulation rooms duplicate typical healthcare consulting rooms allowing Graduate School of Health students to practise their technical and communication skills. Psychology students gain practical experience in the UTS Psychology Clinic, which also offers affordable services to the public.

ALUMNI GREEN

Relax on the grass or among an oasis of trees and plants, or enjoy a game of table tennis on the **Alumni Green**. There are plenty of places to sit, ideal for study or meeting friends.

STUDY SPACES

A range of **study spaces** across the UTS campus support informal and formal learning experiences. Find a place to collaborate on a group project, for quiet individual study, or to socialise and relax. Many of these indoor and outdoor spaces are equipped with power and WIFI access.

UTS LIBRARY

The **UTS Library** offers a mix of spaces for group and individual study. The Library's underground storage system uses robotic cranes to retrieve books less in demand, making borrowing faster and simpler.

UTS is the first university in Australia to be gifted with a library from the Chinese Government. The China Library is filled with books, audio visual materials, multimedia displays as well as reading and study areas.

Photos: Anna Zhu

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.

7.30AM

Wake up fresh by starting the day with a work-out at our fully-equipped fitness centre.

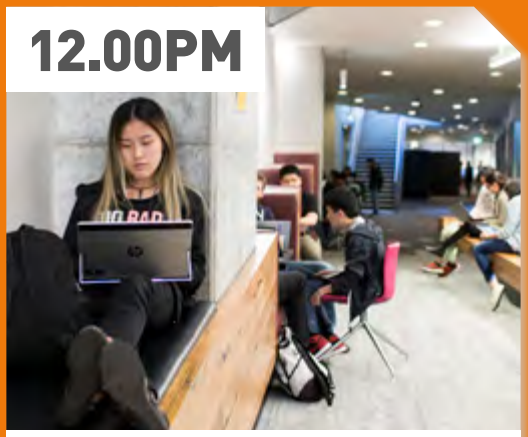
9.15AM

Hungry from your workout? On Wednesdays grab a free breakfast on your way to class from the Bluebird Brekkie Bar.

10.15AM

Attend class in one of our state-of-the-art lecture rooms.

12.00PM



Work on your class notes to prepare for your afternoon group meeting.

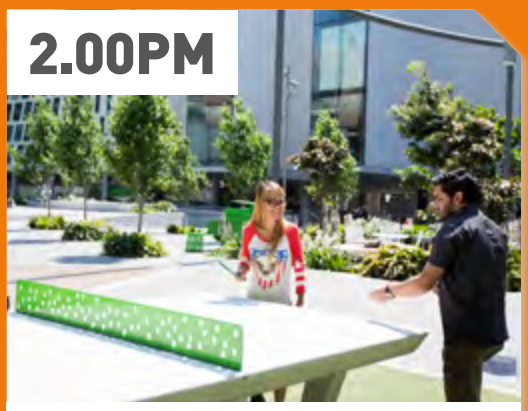
12.45PM

Got a question? Drop in to one of our Student Centres for some assistance.

1.15PM

Refuel at a variety of eateries on campus or takeaway outlets in The Underground.

2.00PM



Play a game of table tennis or relax on the grass of Alumni Green to recharge for the afternoon.

2.45PM

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

4.15PM

Compete with your team in one of the UTS Social Sports competitions.

6.30PM

Grab a quick snack and head to a HELPS workshop to improve your academic skills.

8.45PM

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

11.30PM

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, residencies and Central Station. A Security Shuttle Bus is available to Housing residents seven nights a week from 6.30pm to 1.30am.

Photos: Anna Zhu and UTS Housing

CONNECT. LIVE. LEARN

Get involved in activities outside the classroom and make the most of university life! Join a club and take part in free events and activities to meet new people and experience new things.

You can also take advantage of our range of support services, many of which are free. Make an appointment with a doctor, get assistance writing and speaking English and help with assignments. We're here to help, from your very first day at university.

ORIENTATION www.orientation.uts.edu.au

The **UTS Orientation program** welcomes you to university life, through seminars, workshops and social events to help you get the most out of your student experience. Discover the services available, tips on living in Sydney and meet new people.

"The most important advice I have for international students is to attend Orientation Week. When you're from overseas, you don't have your family or friends on the weekend so it's important to make friends. I met most of my friends at orientation week; it helped to calm my nerves in those first weeks."

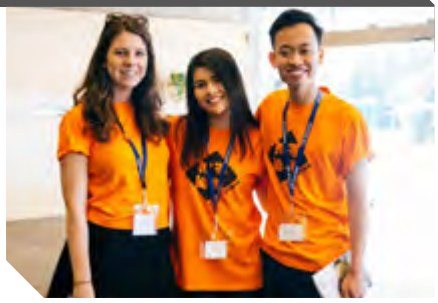
Florine Bernhardt, France Master of Orthoptics

PEER NETWORK www.uts.edu.au/current-students/opportunities/peer-network-program

Peer Networkers are student volunteers who offer help when you first arrive on campus, and can answer your questions about settling into Sydney and student life at UTS. They also encourage new students to connect with others from Australia and around the world through the weekly Network Café.

"I've been part of the UTS Peer Networkers; it's been good to give back to UTS. Thinking back to my first day at uni, the first person that approached me was a UTS Peer Networker, so to have come full circle feels good. I definitely encourage any new students to get involved."

Senuri De Silva, Seychelles
Bachelor of Business



UTS INTERNATIONAL www.international.uts.edu.au

The **UTS International Student Centre** provides you with friendly advice, assistance and guidance as well as information about courses and administrative issues.

"When it comes to finding help you can go to UTS International, speak to them and they will guide you in the right direction. The emails from UTS also keep you informed about everything that's happening on campus."

Linn Molberg, Sweden
Bachelor of Business

MULTI-FAITH CHAPLAINCY www.uts.edu.au/current-students/support

UTS is a diverse community, welcoming many different cultures and faiths. The UTS Multi-faith **Chaplaincy** represents Baha'i, Buddhist, Christian, Jewish and Islamic faiths. Our chaplains are available to assist you with a variety of challenges and problems, including homesickness, loneliness and spirituality.

"The Multi-Faith Chaplaincy is a good opportunity for people of different religions to find a quiet place to pray and they are well-equipped with a change room and wash room. The staff are very friendly and helpful, and it's easy to access the rooms, especially when you book ahead."

George Zhang, China
Master of Marketing

HIGHER EDUCATION LANGUAGE AND PRESENTATION SUPPORT (HELPS) www.helps.uts.edu.au

HELPS provides free English language and academic literacy support to UTS students. HELPS offers weekly writing, presentation, study and reading skills workshops, as well as drop-in consultations to help you with assignment writing and preparation. Practise speaking English with student volunteers through the daily Conversations@UTS sessions and the HELPSMates Buddy program.

"UTS: HELPS reinforced my English skills during my Master's program. I attended speaking sessions on a regular basis and engaged in the 'HELPS 1-TO-1 PROGRAM' program with enthusiasm, which really improved my English language skills. I strongly recommend joining the UTS: HELPS program as soon as you can, and the best part is that it's free!"

Diego Medrano, Ecuador
Master of Engineering

PEER LEARNING – U:PASS www.uts.edu.au/current-students/support/upass

U:PASS is a student learning program, where trained senior students who have performed well in a subject provide support for early year students. In a session, you may review lecture notes, participate in problem solving activities, prepare for exams or share study tips.

"I attend many U:PASS sessions. I really enjoy it because it provides me with a very safe environment to study in. We learn from our peers and senior students who understand the experience we are going through. It's a great idea to have U:PASS."

Simin Peng, China
Bachelor of Nursing

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

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

"I've used the UTS Medical Centre several times. It's really good; you can get in very quickly. When I first arrived, I was thinking, "Where can I go?" And then I found out that there is a medical service here, so I can come in any day."

Karina Moroles Gorriti, Peru
Master of Engineering Management

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

Our **confidential and free counselling service** can help with a wide range of personal, relationship, psychological, study and administrative difficulties. Learn how to cope with the pressures of study, work and life through group counselling sessions and workshops. Face-to-face counselling sessions are also available in Mandarin and Cantonese.

"A few years ago I was going through a really difficult time. I used the service quite a lot and it was great. I think this service is especially important for international students. There is a bit of culture shock when you move your whole life to a different country. A lot of students could benefit from speaking to someone here."

Samantha Low, Malaysia
Bachelor of Business/Bachelor of Law

UTS PSYCHOLOGY CLINIC www.psychology-clinic.uts.edu.au

The UTS Psychology Clinic provides both a service to the community and a training facility for postgraduate Clinical Psychology students in the Graduate School of Health. The treatments are carried out by student Provisional Psychologists and are fully supervised by practicing and highly experienced Clinical Psychologists. The clinic offers affordable and quality treatment to UTS students, staff and the wider community.

CONNECT. LIVE. LEARN

COMMUNITY CONNECTIONS www.communityconnections.uts.edu.au

Meet international and Australian students and engage with UTS and the Sydney community through our **Community Connections program**. Take part in community and cultural events, welcome dinners, day trips and volunteering activities.

"The Community Connections program not only helped me meet other local and international students but it has helped me to engage with the Australian community. I remember attending Clean-up Australia Day where I met our local member of parliament."

Linus Faustin, Tanzania
Bachelor of Communication (Digital and Social Media)

SOCIAL CLUBS AND EVENTS www.activateuts.com.au/social

There's always something exciting happening on campus! With free weekly breakfasts, barbecues, live music, events and festivals, there are plenty of opportunities to meet people, socialise and develop exciting new skills and experiences. Join one of our **130 clubs** covering a range of sporting, cultural, political and religious interests.

"I've been engaged with the UTS Kendo club. It was very interesting and fun. They teach you control and coordination. I've also been involved in the UTS motor sports club where they build a car and test-drive it in competitions against other universities."

Saheel Habibullah, Bangladesh
Bachelor of Engineering

SPORT AND RECREATION www.activateuts.com.au/sport

Join any of the **30 sporting and recreational clubs**, or work out in the fully-equipped Fitness Centre on campus. Explore Sydney and its surrounds with the ActivateUTS Recreation program which organises sport events, day trips and weekend getaways.

"The fully-equipped Fitness Centre on campus was quite helpful. Students need to find balance between their classes and free time and enjoy their university life not only sitting in the class and studying. The Fitness Centre provides me a good opportunity to do exercises after class and helps me cure exhaustion."

Jiakun Liu, China
Master of Information Technology

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

UTS values its diversity and is committed to providing opportunities for all students to participate in the full range of university activities. If you have a disability or an ongoing health condition which may affect your study, the **UTS Special Needs Service** can provide you with information about the support available. Confidential advice and support can also be provided by various university groups if you encounter any problems on the grounds of harassment.

"The best thing about UTS is the people I have met here. My lecturers, classmates, friends and staff are all very friendly and welcoming. Despite coming from diverse backgrounds, we were able to work well together and enjoy each other's company and friendship."

Ruperto Jr Banatao Maribbay, Philippines
Graduate Diploma in Management

www.build.uts.edu.au

BEYOND UTS INTERNATIONAL LEADERSHIP AND DEVELOPMENT

BUiLD

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

The BUiLD experience allows you to realise your leadership potential. BUiLD takes you beyond your degree, giving you the chance to broaden your horizons and explore issues of social enterprise, entrepreneurship, sustainability and social justice, both in Australia and overseas.

Through active participation in BUiLD workshops, seminars, company visits, networking sessions and international programs, you will kick-start your own meaningful journey at UTS.

Inspirational BUiLD Keynote Speakers have included:
> Dr Ela Gandhi, Granddaughter of Mahatma Gandhi
> Senator Sekai M Holland MP, Zimbabwe, Human Rights Activist and UTS Alumna
> Jackie Ruddock, CEO of ethical fashion brand, The Social Outfit
> Tony Broderick, Head of TV Partnerships, Twitter

BUiLD participants have enjoyed exclusive site visits to:
> Animal Logic – Award-winning animation and VFX studio *(The LEGO Movie, Happy Feet, Iron Man 3)*.
> Muru-D -Telstra's accelerator program for start-ups.
> ATP Innovations -Technology business incubator at Australia Technology Park.
> Commonwealth Bank Innovation Lab - A hub to explore the bank's innovation processes and latest products.

BUiLD ABROAD
Apply for a BUiLD travel scholarship to participate in short-term international programs! BUiLD Abroad programs range from summer schools and experiential learning programs, to conferences and community development projects.

BUiLD Abroad programs have included:
> **University of Stuttgart Winter School –** A six week total immersion in German language and culture right in the heart of Europe.

> **Shanghai University –** A first-hand economic, cultural and historical experience through a combination of Chinese classes, business lectures, industry fieldtrips and cultural activities.

> **Engineers without Borders: Humanitarian Design Summit in India and Cambodia –** An opportunity to develop a deeper understanding of the role engineering and technology play in creating positive change in communities.

> **International Internship and Cultural Immersion in Indonesia –** Immersion in Indonesian culture whilst gaining critical knowledge and experience working in a thriving Asian metropolis.

In 2016, Maia spent two and a half weeks in Saurath, a small rural village in the state of Bihar, India as part of the Drishtee Samaahit Immersion Program organised by the UTS BUiLD program.

"Innovation is one of our time's biggest buzzwords. Almost every business claims to be 'innovative', but in real life many are doing exactly the same thing as others in their field. I have learned that innovation is those ideas that seem weird, impossible or different at the start, but turn out to be a great solution in the end.

[During the Drishtee Samaahit Immersion Program], we spent about five days in innovation workshops aiming to generate sustainable business concepts based on the actual needs we saw in the village. These concepts were prototyped and later piloted to key target groups in the village.

We put our entrepreneurial skills into action during the program. It takes a lot of resilience, focus and self-reliance to execute your idea, especially if it seems a little odd at first glance. I learned that self-reflection and co-creation is the key: a co-created solution is much easier to implement into the greater community as people already support the idea. You must take on the end-user's advice and dare to face yourself by re-thinking your own concepts and assumptions.

I can definitely differentiate my way of thinking before and after the program. I've shaken off many of the little 'mental prisons' that were previously limiting me without my knowing. For example, I was wary of taking risks before but now I do take risks and speak my words freely since I know I can only learn by trial and error."

Maia Sternberg, Sweden
Bachelor of Business
BUiLD Program: Drishtee Samaahit Immersion Program, India 2016

www.careers.uts.edu.au

YOUR PATHWAY TO GRADUATE SUCCESS

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.

SUHAIB AL-AWAIDEH, JORDAN
Master of Engineering Management

"The Careers Service offers valuable programs that have helped me market myself, do interviews and write resumes. UTS will equip you for the future; they'll show you how to communicate to the Australian marketplace and find suitable opportunities."

MONICA GEORGE, INDIA
Masters of Engineering Management
Masters of Business Administration

"Through UTS Careers I participated in Univative, a competition with students from other Sydney universities. Each group partners with a big company and they present us with a business plan or a problem to solve and we give them our fresh ideas. It's a win-win situation because they are getting new ideas from university students and we gain valuable work experience and make professional contacts. My group was asked to devise a marketing plan and a strategy to help people download a new app, so we developed a promotional campaign using the budget and timeline provided. The company said they were very happy and would implement our ideas! Univative broadened my horizons and my networks by immersing me in a real-world challenge."

Photos: Scott Ehler

HOW THE UTS CAREERS SERVICE CAN HELP YOU:
GETTING TO KNOW US IN YOUR FIRST YEAR

ATTEND ORIENTATION FOR NEW STUDENTS

Orientation, which is compulsory for all new students, is a great place to start your time at UTS. You will be warmly welcomed and shown around campus by current students. You will have the opportunity to meet current staff and students in your faculty and ask questions about what it is like to study at UTS. You will also be introduced to UTS Careers and what the service can do for you to help you advance your career from the beginning of your time at UTS.

LOOK FOR WORK OPPORTUNITIES WITH UTS CAREERS

Taking on part-time work to complement your studies is a great way to meet people and discover more about the Australian workplace culture. Discover exclusive job opportunities via UTS CareerHub, International Student Job Board, and Weibo. We also have a range of workshops, drop-in sessions and resources available to help you in your job search.

BUILD YOUR PERSONAL NETWORK

Build your personal and professional network by getting involved on campus. Meet and mingle with other students by joining UTS Network Café. You can also learn professional communications and work in a team by becoming a Peer Networker. Develop new skills and experience the Australian workplace by becoming a volunteer.

GAIN SPECIALIST EMPLOYABILITY SKILLS:
MID-WAY THROUGH YOUR DEGREE

GET PERSONAL ADVICE ABOUT YOUR FUTURE CAREER

You have access to our personalised and free 15 minute consultations with one of UTS Careers' friendly and helpful advisors. Discuss your future career options, or ask any work related questions you need to know including advice on applications, excelling in job interviews or networking tips and tricks.

PUT YOUR SKILLS ON PAPER

Looking for a job? Your resume is your chance to make a great first impression. Make sure your resume is up to scratch with a Resume Review session. Our professional advisors will assist you in making your resume perfect for that job you want.

GAIN SKILLS TO EXCEL IN THE INTERVIEW

UTS Careers have a range of resources to help you excel in the interview. Join us for workshops to help you build your soft skills or mock interviews to help you overcome nervousness and fear. Plus, we have a range of online resources including InterviewStream.

ENTER THE WORKPLACE WITH CONFIDENCE:
ADVANCED KNOWLEDGE AND ONGOING SUPPORT FROM THE CAREERS SERVICE IN YOUR FINAL YEARS

GAIN WORKPLACE CONFIDENCE WITH ACCOMPLISH

The Accomplish Award program aims to increase your employability skills and prepare you for the Australian workplace. A series of workshops develops your communication, networking skills and you also learn about job search strategies.

MEET EMPLOYERS WHO ARE INTERESTED IN HIRING YOU

UTS Careers offers a number of careers fairs for students to meet their future employers and scope out life after their degree. Our annual Career Fair is open to all students as well as faculty focused career fairs, and a career fair exclusively for international students.

KEEP IN TOUCH!

Your journey at UTS and relationship with UTS Careers continues long after you've closed the text books. UTS Careers has dedicated Alumni Career Services to help recent graduates starting out on their career path and helping them navigate the recruitment process. Keep in touch via UTS Alumni Office website, join the UTS Alumni Linkedin group or follow @UTSalumni on Instagram.

www.int-scholarships.uts.edu.au

SCHOLARSHIPS

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

AUSTRALIAN GOVERNMENT SCHOLARSHIPS

AUSTRALIA AWARDS SCHOLARSHIPS

Australia Awards Scholarships aim to contribute to the long term development needs of Australia's partner countries, particularly those located in the Indo-Pacific region.

Australia Awards Scholarships are prestigious international scholarships 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 drive change and contribute to the development outcomes of their own country.

ENDEAVOUR SCHOLARHIPS AND FELLOWSHIPS

Endeavour Postgraduate Scholarships offer funding for high-achieving international students who have been accepted to study a postgraduate course or PhD at UTS.

These scholarships are funded by the Australian Government's Department of Education and Training. Students must gain admission to UTS before applying for this scholarship and must be from a partner country with links to the Endeavour program.

FACULTY SPECIFIC SCHOLARSHIPS

A number of UTS faculties offer scholarships for students:

Engineering

> Engineering International Undergraduate Excellence Scholarship
> Engineering (Management) Masters Scholarship for Outstanding International Students
> Engineering (Technical) Masters Scholarship for Outstanding International Students

Information Technology

> Information Technology International Undergraduate Excellence Scholarship
> Information Technology Masters Scholarship for Outstanding International Students

Business

> MBA Scholarship for Outstanding International Students (Commencing)

Science

> UTS Science Diploma to Degree Scholarship (INSEARCH)
> UTS Science International Diploma to Degree Scholarship for Excellence (Polytechnics in Singapore)
> UTS Science International Scholarship for Australian Year 12 students
> UTS Science International Scholarship for Excellence (Postgraduate)
> UTS Science International Scholarship for Excellence (Undergraduate)

HOME COUNTRY SPONSORED SCHOLARSHIPS

A number of countries offer scholarships or sponsorship opportunities to their citizens who wish to study in Australia.

If you are from one of the following countries you may be eligible for a scholarship to support your studies at UTS:

> Brazil – Science Without Borders (SWB) program
> Colombia – COLFUTURO scholarship program
> China – China Scholarship Council and Dr Chau Chak Wing Scholarships
> Ecuador – Secretaría de Educación Superior, Ciencia, Tecnología e Innovación SENESCYT Program
> Indonesia – Direktorat Jenderal Pendidikan Tinggi (DIKTI) and Lembaga Pengelola Dana Pendidikan (LPDP)
> Mexico – Fondo para el Desarrollo de Recursos Humanos (FIDERH)
> Peru – Programa Nacional de Becas y Crédito Educativo (PRONABEC)
> Vietnam – Vietnam International Education Development (VIED)

Check with your home government to see if you are eligible for a scholarship.

FINANCIAL AID AND LOANS

A number of countries offer financial aid to their citizens who are studying in Australia. If you are from Canada, Denmark, Germany, Norway, Sweden or the United States of America you may be eligible for financial aid to support your studies at UTS.

Check with your home government to see if you are eligible for financial aid.

NIKKI BRAMWELL, JAMAICA

PhD Faculty of Science (Marine Biology)
Nikki is the recipient of an Australia Award Scholarship

"The Australia Award Scholarship was better than I expected. I was concerned about being so far from home – I didn't think I'd be able to visit home throughout my PhD. But the scholarship provided return flights once a year for people who are here on their own, that's really good. It covered my cost of living so I didn't have to work, which allowed me to really focus on my thesis and not get distracted by stress. The UTS Sponsored Students team were also very warm and welcoming, they helped me with any issues I had."

THE FARTHER YOU COME THE FURTHER YOU'LL GO

UTS has committed A$30 million towards a range of scholarship and grants for commencing and current undergraduate and postgraduate international students from 2016 – 2020.

UNDERGRADUATE SCHOLARSHIPS AND GRANTS

> **Academic Excellence Awards –** awarded to commencing international students enrolling in undergraduate coursework programs. Valued at A$10,000, the awards will be credited as two separate A$5,000 instalments for a total of two sessions.

> **UTS:INSEARCH Graduate Scholarship –** grants will be awarded to high-achieving UTS:INSEARCH graduates commencing at UTS.

> **Full Tuition Scholarships -** the first full degree scholarships to be offered at undergraduate level (for up to four years of study at UTS).

ALUMNI ADVANTAGE PROGRAM

Thinking of further study? Eligible UTS alumni will receive a 10% saving on tuition fees for full fee paying courses when enrolling for award programs through the UTS Alumni Advantage program. The saving will apply automatically to graduates upon successful enrolment.

POSTGRADUATE SCHOLARSHIPS AND GRANTS

> **Academic Excellence Awards –** valued at A$5,000, awarded to commencing international students enrolling in postgraduate coursework programs.

> **Full Tuition Scholarships –** full tuition scholarships will be offered at the postgraduate level from 2018.

All scholarships and grants are competitive and will be awarded solely on the basis of academic achievement.

All scholarships and grants 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.

For more information about scholarships for international students at UTS, visit **www.int-scholarships.uts.edu.au**

UTS International students from the Faculty of Engineering and Information Technology being awarded scholarships in 2015.

www.housing.uts.edu.au

FEEL AT HOME

Secure a room at one of UTS Housing's student residences or get information and assistance on a range of private accommodation options.

UTS-OWNED ACCOMMODATION

UTS students can choose from four residences, all of which are close to campus:

- Geegal is a purpose-built group of townhouses accommodating 57 students
- Bulga Ngurra is a modern apartment building accommodating 119 students
- Gumal Ngurang is a modern apartment building accommodating 252 students in studio, one-bedroom or shared apartments
- Yura Mudang has 720 beds comprising studios and shared apartments conveniently located above UTS Building 6.
- Wattle Lane has 59 beds which are all studios located only minutes away from the main UTS building and dedicated to UTS Indigenous students.

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 shares), with shared kitchens, bathrooms and living areas. Apartments are fully-furnished and rent includes gas, electricity, water, cabled internet in bedrooms and limited wireless internet access in communal areas.

You will need to provide your own bed linen and cooking equipment. Licence fees are different for each residence.

There are two non-refundable fees: A$40 application fee and A$120 acceptance fee (subject to change). For more information, please visit the UTS Housing website: **www.housing.uts.edu.au**

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

RENTING 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 around UTS: **www.uts.studystays.com.au**

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 should come with a residential or tenancy agreement.

If you need any help or advice, please contact the UTS Housing Off-Campus Officer at **housing.welfare@uts.edu.au** or the UTS Student Legal Service at **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$19,830 a year to fund their living costs in Australia, and additional funds if bringing partners or family.

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.

Images: Anna Zhu and UTS Housing

SYDNEY LIVING COSTS – APPROXIMATE GUIDE ONLY		INDEPENDENT ACCOMMODATION		UTS ACCOMMODATION	
		Weekly	Annual	Weekly	Annual
Rent per person in shared accommodation within a short commute to UTS		A$240* – A$350	A$12,480 – A$18,200	A$225 – A$386	A$11,700 – A$20,072
LIVING COSTS					
	Groceries (eg. food, drinks, toiletries)	A$100	A$5200	A$100	A$5200
	Phone (mobile)	A$12	A$520	A$12	A$520
	Internet	A$8	A$520	Free cabled internet in room and limited free internet access	
	Utilities – Gas/Electricity	A$20	A$1040	Included	Included
	Books/Supplies/Printing	A$16	A$832	A$16	A$832
	Transport costs	A$30^	A$1560^	A$10^	A$520^
	TOTAL COSTS	**A$426 – A$536**	**A$22,152 – A$27,872**	**A$363 – A$524**	**A$18,876 – A$27,248**

Note: Prices vary depending on the condition of the property, the number of people you share with and the proximity of the accommodation to the centre of Sydney and other amenities. *Any amount below this will likely be twin share. ^ Transport costs will vary depending on how close you live to campus.

ESTABLISHMENT COSTS

You should expect to pay approximately A$5200 start-up or establishment costs for independent accommodation. Allow an additional $1000 to $1500 for a computer and printer, if required. 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 need to budget for the registration admin fee (A$40), the acceptance fee (A$120), the bond fee (equivalent of 4 weeks' rent), two weeks rent in advance and any personal items you wish to purchase.

UTS Housing accommodates 1207 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.

UTS BUSINESS SCHOOL

accounting • economics • events • digital creative enterprise • finance • human resource management • international business • management • sport business • marketing • tourism

AACSB ACCREDITED · AHRI ACCREDITED 2015 - 2018 · CPA AUSTRALIA · The Institute of Chartered Accountants in Australia · NIA National Institute of Accountants · University Affiliation Program CFA Institute

> **Study business where business happens.** Benefit from the opportunities and atmosphere created from being in the heart of an innovative, creative precinct, home to organisations such as Google, Commonwealth Bank, PwC and Australia's largest tech-startup district.

> **Study in the iconic Dr Chau Chak Wing Building**, designed by world-famous architect Frank Gehry, and enjoy 24-hour access to award winning learning facilities including group work rooms and individual study pods across our campus.

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

> **Industry placements.** Internship opportunities are available within the Bachelor of Business, Bachelor of Economics and Bachelor of Management.

> **Choose practically relevant courses from a wide variety of specialisations**. In our Bachelor of Business you can choose from 10 different majors and over 30 sub-majors while in our Bachelor of Management you can choose between majors in Sport Business, Digital Creative Enterprise, Tourism Management or Event Management.

> **Complete a capstone subject**. Students in each of our Bachelor of Business majors develop solutions to a business problem or a real-life project.

> **Benefit from an active UTS Business Student Society** that 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.

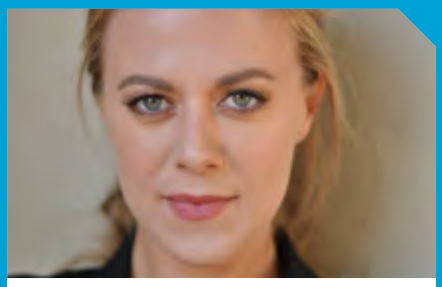
> **Excellence in Research**. UTS Business School is placed equal 3rd in Australia for research in Economics and in Commerce and Management, in the Australian Government's 2015 Excellence in Research Australia (ERA).

IN 2016 UTS BUSINESS SCHOOL HAD:

6350	undergraduate coursework students
1660	international undergraduate coursework students
117	students go overseas on global exchange

QS STARS RATED FOR EXCELLENCE 2016

Photos: 1 2 3 4 5 6 Jesse Taylor



LINN MOLBERG, SWEDEN

Bachelor of Business

"Learning in class is focused on group work, which is really good because even if it's challenging that's where all the good ideas come from and you can learn from your peers rather than just figuring things out on your own.

As part of the course, we can enrol in a Business Internship. Mine is in the medical device industry, which is interesting because it's a fast-growing industry due to the ageing population. I'm an intern Project Manager in the marketing department, so I'm distributing a device directly to the consumer. I'm working towards creating a new business model and a new marketing strategy. My marketing subjects come in handy when thinking about consumer behaviour and marketing research. I definitely apply everything I've learnt at university in the internship."

YANGPEI (PATRICIA) LI, CHINA

Bachelor of Business

"UTS gives you practical experience. In our accounting class we have lots of lab classes and work on real-life case studies. There's a real company to analyse, and look at what problem the company is and how can we improve it. It's better to learn the theory this way and how to apply that in real-life.

I was involved in the Interchange program, where I learnt how to think critically and innovatively to develop a business idea. In my group we developed an app called Guide Book to help international students meet each other. We wanted to build a network of international students to share information about where to seek help when they first arrive in Sydney. I worked with students from other faculties at UTS and other universities in Sydney. I have never done anything like that before so it was very challenging."

UTS Business School is ranked in the TOP 100 for Accounting and Finance, Business and Management Studies, and Economics. (QS World University Subject Rankings 2017)

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).

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.

Course code: C10026
CRICOS code: 006487A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Accounting, economics, finance, human resource management, international business, management, marketing, integrating business perspectives, business statistics, managing people.

MAJORS

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

COURSE STRUCTURE

Accounting and Finance majors

Year 1
Integrating Business Perspectives
Accounting for Business Decisions A
Economics for Business
Business Statistics
Accounting for Business Decisions B
Managing People and Organisations
Marketing Foundations
Fundamentals of Business Finance

Year 2
Accounting Standards and Regulations
Cost Management Systems
The Financial System
Quantitative Business Analysis
Accounting for Business Combinations
Applied Company Law
Investment Analysis
Corporate Finance: Theory and Practice

Year 3
Assurance Services and Audit
Taxation Law
Corporate Financial Analysis (Capstone)
Select 6 credit points of options
Management Decisions and Control
Financial Statement Analysis (Capstone)
Select 12 credit points of options

List of majors
Accounting
Business Law
Economics
Finance
Human Resource Management
Information Technology
International Business
Management
Marketing
Marketing Communication

List of sub-majors
Accounting in Practice
Advanced Advertising
Advertising
Business Information Systems
Business Innovation and Financial Management
Business Law
Econometrics
Economics
Event Management
Finance
Financial Reporting
Financial Services
Human Resource Management
International Business Studies
International Management
International Studies
Information Technology
Language other than English
Management
Management Consulting
Marketing
Marketing Research
Mathematics
Quantitative Management
Specialist Country Studies
Sport Management
Statistics
Strategic Marketing
Taxation Law
Tourism Management
Sustainable Enterprise

List of extended majors
Extended Economics
Extended Finance
Extended Management
Extended Marketing

PROFESSIONAL RECOGNITION

The Accounting major meets the educational membership requirements for CPA Australia, Chartered Accountants of Australia and New Zealand, and the 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.

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

The Finance major meets the educational requirements for the Financial Services Institute of Australasia (Finsia) associate membership.

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, human resource management, international business, management, marketing or marketing communication.

The Bachelor of Business structure

	YEAR 1	YEAR 2	YEAR 3
Autumn Session	Accounting for Business Decisions A	Major Subject 1	Major Subject 5
	Business Statistics	Major Subject 2	Major Subject 6
	Economics for Business	OPTION	OPTION
	Integrating Business Perspectives	OPTION	OPTION
Spring Session	Accounting for Business Decisions B	Major Subject 3	Major Subject 7
	Fundamentals of Business Finance	Major Subject 4	Major Subject 8 (capstone)
	Managing People and Organisations	OPTION	OPTION
	Marketing Foundations	OPTION	OPTION

Note: The table is indicative only.

5 options to finish your degree

OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5
2nd Major (8 subjects)	1 major 2 Sub-majors (4 subjects each)	1 major 1 Sub-major (4 subjects) and 4 Elective subjects	Extended Major (4 additional subjects) and 1 Sub-major (4 subjects)	Extended Major (4 additional subjects) and 4 Elective subjects Note: Structure will differ from above sequence

BACHELOR OF ECONOMICS

COURSE DESCRIPTION

The Bachelor of Economics offers students the analytical and quantitative skills required for an in-depth understanding of key economic principles. The degree complements this knowledge with the option of majors across selected business disciplines.

The course includes training in econometrics, macroeconomics, and microeconomics with an emphasis on practical policy. A capstone subject synthesises knowledge from game theory, experimental economics and industrial organisation to study policy-making in real-world settings.

Course code: C10348
CRICOS code: 086359B
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Microeconomics, macroeconomics, econometrics, applied microeconometrics, economic policy, market design, experimental economics, behavioural economics, economics of money and finance, labour economics, public economics, economics of the environment.

COURSE STRUCTURE

Year 1
Principles of Microeconomics
Business Statistics
Mathematics for Economics and Business
Select 6 credit points of options
Principles of Macroeconomics
Intermediate Microeconomics
Introductory Econometrics
Select 6 credit points of options

Year 2
Intermediate Macroeconomics
Game Theory
Select 12 credit points of options
Applied Microeconometrics
Select 18 credit points of options

Year 3
Market Design
Select 18 credit points of options
Economic Policy and Market Design (Capstone)
Select 18 credit points of options

CAREER OPPORTUNITIES

Career options include economics analysis and modelling, economic forecasting, econometrician, designing economic policies in industry, government, consulting and financial institutions.

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 MANAGEMENT

COURSE DESCRIPTION

With majors available in digital creative enterprise, events, sport business and tourism, 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.

The course provides students with extensive industry exposure to professional practice through practice-oriented assignments, education and built-in internships.

UTS has established partnerships with overseas universities that allow students the option to go on exchange in their fourth session as well as participate in international projects and field trips.

Course code: C10342
CRICOS code: 084784A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,565 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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, creative industries in the collaborative economy, managing risk and opportunity, digital strategy and governance, entrepreneurship studio.

MAJORS

Digital creative enterprise, events, sport business, tourism.

COURSE STRUCTURE

Events major

Year 1	Year 2	Year 3
Event and Entertainment Contexts	Positioning and Promoting Events	Servicescape Design
Event Impacts and Legacies	Event Sponsorship and Revenue	Management Research Skills
Marketing Foundations	Innovation and Entrepreneurship	Select 12 credit points of options
Managing People and Organisations	Business Strategy and Scenario Planning	Economics for Business
Event Management	Professional Internship	Event Creation Lab (Capstone)
Accounting Skills for Managers	Managing Human Resources	Select 12 credit points of options
Socio-political Context of Management	Innovation Lab	
Management Skills	Law and Ethics for Managers	

Tourism major

Year 1	Year 2	Year 3
Tourism in a Global Context	Reputation and Risk Management in Tourism	Developing Sustainable Destinations
The Tourist Experience	Tourism Promotion and Distribution	Management Research Skills
Marketing Foundations	Innovation and Entrepreneurship	Select 12 credit points of options
Managing People and Organisations	Business Strategy and Scenario Planning	Economics for Business
Managing Tourism Sectors	Professional Internship	Current Challenges in Tourism (Capstone)
Accounting Skills for Managers	Managing Human Resources	Select 12 credit points of options
Socio-political Context of Management	Innovation Lab	
Management Skills	Law and Ethics for Managers	

Sport Business major

Year 1	Year 2	Year 3
Sport and Society	Managing Professional Sport	Management Research Skills
Economics for Business	Olympic Games and Sport Mega-Events	Professional Internship
Marketing Foundations	Innovation and Entrepreneurship	Select 12 credit points of options
Managing People and Organisations	Business Strategy and Scenario Planning	Sport Marketing and Media
The Organisation of Australian Sport	Managing Human Resources	Current Issues in Sport Business (Capstone)
Accounting Skills for Managers	Innovation Lab	Select 12 credit points of options
Socio-political Context of Management	The International Sport Marketplace	
Management Skills	Law and Ethics for Managers	

COURSE STRUCTURE

Tourism major 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
Management Skills

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)

Sport Business major 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
Management Skills

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)

Digital Creative Enterprise major

Year 1
Marketing Foundations
Managing People and Organisations
Creative Industries in the Collaborative Economy
Impossibilities to Possibilities
Managing Risk and Opportunity
Accounting Skills for Managers
Socio-political Context of Management
Management Skills

Year 2
Innovation and Entrepreneurship
Business Strategy and Scenario Planning
Innovation and Entrepreneurship Studio A
Technology, Methods and Creative Practice
Managing Human Resources
Innovation Lab
Professional Internship
Law and Ethics for Managers

Year 3
Management Research Skills
Select 18 credit points of options
Economics for Business
Digital Strategy and Governance
Select 6 credit points of options

CAREER OPPORTUNITIES

Career options include digital and creative technologies entrepreneur, digital marketing director, digital strategist, digital channel management, digital content management, online community management, digital project management, digital marketing director, digital and creative industry business analyst, event and festival management, conference and meeting management, sport event management, event marketing, public relations and sponsorship management, venue management, event tourism planning, sport management and marketing, sport event management; venue and facility management; sports development; sport-for-development; sports administration; athlete development; sport media management; sport sponsorship and promotions; operations management, destination management and marketing management in government agencies (local, state, national and international levels), private sector management and marketing positions in travel agencies, inbound and outbound wholesale tour operators, accommodation providers, attractions, airlines, cruise operators, land transport providers and travel industry associations.

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

HONOURS DEGREES

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09004	Bachelor of Business (Honours)	2	A$17,270	March	City	015933J
C09081	Bachelor of Management (Honours)	2	A$16,565	March	City	085890B

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.

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10169	Bachelor of Biotechnology Bachelor of Business	8	A$17,930	March, July	City	041436K
C10020	Bachelor of Business Bachelor of Arts in International Studies	10	A$17,270	March	City	026187C
C10326	Bachelor of Business Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079756C
C10125	Bachelor of Business Bachelor of Laws	10	A$20,175	March, July	City	008756B
C10219	Bachelor of Business Bachelor of Science in Information Technology	8	A$19,375	March	City	047835B
C10386	Bachelor of Economics Bachelor of Laws	10	A$20,175	March, July	City	092380K
C09070	Bachelor of Engineering (Honours) Bachelor of Business Ⓦ	10	A$19,015	March, July	City	084091G
C10343	Bachelor of Management Bachelor of Arts in International Studies	10	A$16,565	March	City	084785M
C10355	Bachelor of Management Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,565	March	City	088067J
C10163	Bachelor of Medical Science Bachelor of Business	8	A$17,930	March, July	City	040712C
C10162	Bachelor of Science Bachelor of Business	8	A$17,930	March, July	City	032310K

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.

6

UTS: COMMUNICATION

creative writing • digital and social media • journalism • media arts and production • public communication • social and political sciences • music and sound design

> **Join a top ranked program.** In the 2017 QS World University Subject Rankings, UTS:Communication is ranked in the Top 100.

> **Be part of a technology-led School of Communication** that produces sought after graduates. Our graduates work in media organisations, publishing houses, production companies, community groups, businesses and consultancies around the world.

> **Learn from industry leaders.** Our academics are recognised and respected practitioners often working in the field and their expertise and connection with professional networks provide up-to-date knowledge and access to guest lecturers.

> **Engage in practical experience.** Our courses incorporate Capstone Projects that encourage you to put learning into practice and engage with the issues, clients and challenges of your professional area.

> **Gain a practice-oriented and career-relevant education.** Student work is regularly published in UTS video, radio, online and print publications such as the annual UTS Writers' Anthology, CN (Central News) and 2SER radio, as well as in mainstream and specialist media outlets.

IN 2016 UTS: ARTS AND SOCIAL SCIENCES HAD:

3810	undergraduate coursework students
260	international undergraduate coursework students
55	students go overseas on global exchange

Photos: 1 2 3 4 5 K Photography

CHRISTIAN CHELVAN, SINGAPORE

Bachelor of Communication (Journalism)
Account Manager at Sling and Stone PR

"I chose UTS because it offers one of the best journalism courses in Sydney, and because it's in the heart of the city and easy to get to. I undertook a journalism internship as part of my course at a niche publication and it was a great way to put the skills I'd learnt to practical use. It reaffirmed my love of writing, and was probably one of the best things I've done through my course at UTS.

Today I'm an Account Manager at a public relations firm in Sydney. My background in journalism from UTS has been incredibly useful in my current role, as journalists and PR practitioners work hand in glove. The practical skills I learnt in my degree, from working under pressure to writing succinctly, have prepared me for working in a fast-paced environment."

ALEX MUNT

Senior Lecturer, Media Arts and Production

"The subjects in the UTS Media Arts and Production (MAP) major are highly oriented to practice-based learning. We have a strong reputation in film and screen media and an evolving curriculum in interactive, locative and multiplatform media arts.

Our students rely on our UTS production studios, facilities and extensive range of lighting, digital camera and audio equipment for their creative media projects, supported by academic teaching staff who are both experienced industry practitioners and have strong profiles in research and theory. In addition, students are supported by our Media Lab for their creative media project work.

Our students work collaboratively in ongoing productions in a lively and creative environment."

UTS students have been Tropfest Film finalists 10 times in the past 5 years.

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).

BACHELOR OF 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.

Course code: C10369
CRICOS code: 087737F
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,005 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Creative fiction writing, creative non-fiction writing, critical analysis, genre writing, narrative, poetry, screenwriting, textual theory.

MAJORS

Creative writing.

COURSE STRUCTURE

Year 1
Citizenship and Communication
Fictional Forms
Select 8 credit points from the following:
  Stream choices
Digital Literacies
Imagining the Real
Select 8 credit points from the following:
  Stream choices

Year 2
Communicating Difference
Narrative and Theory
Select 8 credit points from the following:
  Second major*
  Electives
Genre Writing
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

Year 3
Writing Laboratory
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives
Creative Writing Project
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

CAREER OPPORTUNITIES

Career options include editor, publisher, scriptwriter, literary agent, communication coordinator, arts and cultural administrator, copywriter, feature writer, publications officer, freelance writer and book marketing coordinator.

BACHELOR OF 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.

Course code: C10371
CRICOS code: 087738E
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,005 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Digital experience design, digital communities, digital technologies, platforms and futures, gamification, code as digital literacy, multimodal communication, digital publishing for apps, social media engagement.

* Entry requirements for the second major need to be met.

COURSE STRUCTURE

Year 1
Citizenship and Communication
Digital Communities
Select 8 credit points from the following:
Stream choices
Digital Literacies
Engagement, Participation, Gamification
Select 8 credit points from the following:
Stream choices

Year 2
Communicating Difference
Digital Experience Design
Select 8 credit points from the following:
Second major*
Electives
Code as Literacy, Commodity, Infrastructure
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

Year 3
Digital Publishing for Apps
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives
Digital Futures
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

CAREER OPPORTUNITIES

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

BACHELOR OF 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.

Course code: C10361
CRICOS code: 087733K
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$18,280 per session (see page 138 for further fees information)
Academic and additional requirements:
See page 132
English language requirements:
See page 133

AREAS OF STUDY

Ethical practice, reflective practice, reporting online with sound and image, long form storytelling across all media, social media, data journalism, publishing.

MAJORS

Journalism.

COURSE STRUCTURE

Year 1
Citizenship and Communication
Stories from the Streets: Local Journalism, Social Media
Select 8 credit points from the following:
Stream choices
Digital Literacies
Live Action: Multiplatform Journalism
Select 8 credit points from the following:
Stream choices

Year 2
Communicating Difference
Digging Deeper: Current Affairs and Longer-form Journalism
Select 8 credit points from the following:
Second major*
Electives
From Dirty Data to Vivid Visualisation
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

Year 3
The Hive: Collaborative Journalism
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives
Industry Portfolio
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

CAREER OPPORTUNITIES

Career options include reporter, producer, publisher, editor, sub-editor, feature and freelance journalist, investigative journalist, media researcher, and print, broadcast and online media strategist.

* Entry requirements for the second major need to be met.

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 COMMUNICATION (MEDIA ARTS AND PRODUCTION)

COURSE DESCRIPTION

This course prepares students for a wide range of roles in the media and cultural sectors. Students study the history, contemporary issues and theory of media and culture while developing advanced technical and conceptual skills in film, video, new media and sound. The professional areas in the degree include film, video, television, multimedia, sound, radio, performance and installation, and the interplay among these media forms.

This course explores the histories, theories, practices and challenges of creative media production. Working across multiple platforms, genres and media, students develop sophisticated production skills in video, sound and digital media, and enhance their creative innovation in these areas. Students are encouraged to evolve as creative producers of media projects throughout their studies, as well as deepen their understanding and technical proficiency across media production areas. By the end of the course, students have developed a professional portfolio of creative media work.

Course code: C10362
CRICOS code: 087734J
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$18,280 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Exploring media arts, documentary, drama, aesthetics, media arts specialist modules, media arts project.

MAJORS

Media arts and production.

COURSE STRUCTURE

Year 1
Citizenship and Communication
Exploring Media Arts
Select 8 credit points from the following:
  Stream choices
Digital Literacies
Composing the Real
Select 8 credit points from the following:
  Stream choices

Year 2
Communicating Difference
Fictions
Select 8 credit points from the following:
  Second major*
  Electives
Aesthetics
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

Year 3
Media Arts Specialist Modules
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives
Media Arts Project
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

CAREER OPPORTUNITIES

Career options include arts and cultural administrator, cinematographer, digital producer, director, documentary maker, editor, media artist, multimedia designer, producer, production manager, program commissioning editor, radio producer, researcher, scriptwriter, and sound designer.

BACHELOR OF COMMUNICATION (PUBLIC COMMUNICATION)

COURSE DESCRIPTION

The critical and theoretical approach offered in this course develops ethical and responsible communication professionals. This course provides students with interdisciplinary knowledge of public communication processes and industries, and their social, economic and political contexts with specialised expertise in public relations and/or advertising.

This course has a focus on professional communication careers that include public relations and advertising. Students explore the communication contexts – cultural, social and political – for these practices. They develop their professional skills in campaign design and production, copywriting, media liaison and writing, research and evaluation, and organisational communication management. Assignments provide material for a portfolio after graduation.

Course code: C10363
CRICOS code: 087735G
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,005 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Public communication, public relations, advertising, integrated communication.

MAJORS

Public communication.

* Entry requirements for the second major need to be met.

COURSE STRUCTURE

Year 1
Citizenship and Communication
The Ecology of Public Communication
Select 8 credit points from the following:
  Stream choices
Digital Literacies
Select 8 credit points from the following:
  Principles of Public Relations
  Principles of Advertising
Select 8 credit points from the following:
  Stream choices

Year 2
Communicating Difference
Select 8 credit points from the following:
  Strategic Public Relations
  Advertising Campaign Practice
Select 8 credit points from the following:
  Second major*
  Electives
Select 8 credit points from the following:
  Media Writing Production
  Brand Advertising Strategies
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

Year 3
Select 8 credit points from the following:
  Organisational Communication
  Professional Advertising Practice
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives
Integrated Communication
Select 8 credit points from the following:
  Cross-disciplinary electives
Select 8 credit points from the following:
  Second major
  Electives

PROFESSIONAL RECOGNITION

Public Relations Institute of Australia; International Advertising Association

To be eligible for professional membership of the Public Relations Institute of Australia, students must successfully complete the two core subjects in the Public Communication major (MAJ10048) and the four subjects in the Public Relations stream (STM91123). To be eligible for professional membership of the International Advertising Association, students must successfully complete the four subjects in the Advertising stream (STM91124).

CAREER OPPORTUNITIES

Career options include advertising account executive, advertising copywriter, communication strategist, community relations manager, marketing communication specialist, media liaison officer, media researcher, political media adviser, public relations consultant, publicity officer, social media strategist, and special events coordinator.

BACHELOR OF COMMUNICATION (SOCIAL AND POLITICAL SCIENCES) Ⓦ

COURSE DESCRIPTION

Social and political sciences come to life in the contemporary world through communication - inter-personal and community, and more widely in society and the global public sphere. 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 develop effective communication strategies.

Combining social, political, historical and philosophical perspectives on how societies work, the course provides students with practical skills in qualitative and quantitative social research methods. 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 engaging with social change.

Course code: C10364
CRICOS code: 087736G
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A $16,005 per session (see page 138 for further fees information)
Academic and additional requirements:
See page 132
English language requirements:
See page 133

AREAS OF STUDY

Using theory from politics, sociology and political economy, analysing social and political change, using real-world social research and research methods, developing policy analysis and advocacy, communicating policy and producing online publications, project research with an outside organisation.

MAJORS

Social and political sciences.

* Entry requirements for the second major need to be met.

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
Citizenship and Communication
Self and Society
Select 8 credit points from the following:
Stream choices
Digital Literacies
Politics, Ideologies and Beliefs
Select 8 credit points from the following:
Stream choices

Year 2
Communicating Difference
Economy, Society and Globalism
Select 8 credit points from the following:
Second major*
Electives
Investigating for Change
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

Year 3
Intervening for Change
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives
Professional Pathways Project
Select 8 credit points from the following:
Cross-disciplinary electives
Select 8 credit points from the following:
Second major
Electives

CAREER OPPORTUNITIES

Career options include advocacy in environmental, Indigenous, human rights and overseas development organisations, and trade unions; policy research, analysis and program management in government; management in social services and welfare, including women's, migrant and indigenous programs; research in think-tanks and academia.

BACHELOR OF MUSIC AND SOUND DESIGN Ⓦ

COURSE DESCRIPTION

This course is designed to develop practitioners in music and sound design with a strong base of artistic, professional and theoretical skills. The UTS Bachelor of Music and Sound Design is the first of its kind to combine the domains of music, sound and screens (film, TV, internet, games, online). Subjects focus on developing real-world skills for the digital sound industry.

Students graduate with a portfolio of sound works demonstrating their creativity and professionalism. The course also involves input from leading industry figures, including sound designers, songwriters, producers, and other professionals from the creative industries.

The course appeals to students with an interest in popular music, sound design, creative arts, or interactive multimedia. It offers a contemporary music and sound design degree that focuses on the production and analysis of sound for various media, including interactive environments.

Course code: C10276
CRICOS code: 092409B
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$18,280 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Popular music studies, sound design, audio production, screen sound, songwriting, music technology.

COURSE STRUCTURE

Year 1
Citizenship and Communication
Audio Cultures
Select 8 credit points from the following:
Electives
Digital Literacies
Audio and Music Production
Select 8 credit points from the following:
Electives

Year 2
Communicating Difference
Singing and Vocality
Select 8 credit points from the following:
Electives
Composing with Sound
Select 8 credit points from the following:
Electives
Songwriting and Composition for Context

Year 3
Synthesis and Sound Design
Screen Soundtrack Production
Select 8 credit points from the following:
Electives
Sound Project
Music Business and Professional Practice
Select 8 credit points from the following:
Electives

CAREER OPPORTUNITIES

Examples include working in sound design and production across a diverse range of media, including popular music, film, television, advertising, animation, web, gaming, interactive digital media, and locational sound.

Other career options include sound designer, music supervisor, audio engineer, computer musician, music producer, new media artist, interactive media designer, and music business professional.

* Entry requirements for the second major need to be met.

HONOURS DEGREES

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09047	Bachelor of Communication (Honours)	2	A$16,005	March	City	088589E

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 96 and 125 for more 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.

UTS: DESIGN, ARCHITECTURE AND BUILDING

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

> **Join a top-ranked program.** UTS is ranked 29th for Art and Design in the QS World University Subjects Rankings 2017.

> **Gain an international perspective** with our extensive network of international industry and academic partnerships. Our Global Studios program offers a unique learning experience in countries such as Japan, South Africa, Germany and USA.

> **Be inspired by our academics and adjunct professors** who collaborate with some of the world's most prominent organisations such as Google and Westfield. They're engaged in leading, cutting-edge projects from designing international airports and major cultural museums to working with councils on redefining our urban cities and green spaces.

> **Connect with industry and address real-world global challenges through classroom projects.** Our partnerships include key design, cultural, industry and government organisations such as Animal Logic, City of Sydney and Sydney Olympic Park.

> **Access professional specialist facilities and equipment.** Our facilities include 3D printers and scanners, laser cutters, three professional photography studios, motion capture laboratory, chromakey studio, screen printing workshop, plus a fully equipped fabrication workshop used to construct the most intricate prototypes through to designer furniture pieces.

> **Collaborate with students across a variety of disciplines** with our studio-based approach to learning. These experiences mimic real world team-based projects and propel our graduates to be job ready.

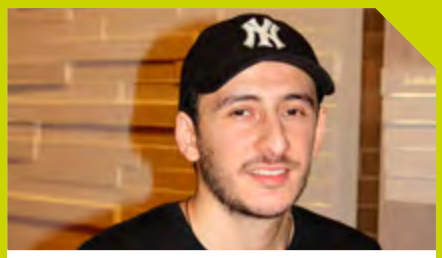
> **Our emerging designers, architects and property professionals excel at winning prestigious industry awards and accolades.** Recent wins include Cosentino Design Challenge, Target Australia's National Graduate Fashion Showcase, Australian Design Biennale and World of Wearable Art.

IN 2016 UTS: DAB HAD:

3600	undergraduate coursework students
560	international undergraduate coursework students
50	students go overseas on global exchange

> **Our graduates make international headlines.** From Matthew Dolan whose designs have been worn by Rhianna and Lady Gaga; to Katherine Mavridis, one of only five emerging designers to show her collection at New York Fashion Week.

Photos: 1 3 Bose Photography 2 Anna Zhu 4 Ohh Snap Photography



ALLEND BAMERNI, NORWAY

Bachelor of Design in Architecture

"Architecture is a beautiful thing to study; it's a mix between technology and art – a really nice combination of study. With architecture at UTS, you have a really compact community and you become close to your classmates because everyone is always studying in the computer labs. We have the opportunity to be in the computer labs 24/7. If we didn't have this access it would be stressful to work from home because we need these computers with good programs.

The course is very practical. In one subject we had a real-life case study where we designed a new School of Architecture for UTS. We did the proposal of a new school for the real-life school that could be built in the future. The UTS Architecture lecturers and coordinators are really well known around the world. I can gain a lot from their experience and learn a lot from them too."

IDA LARSSON, SWEDEN

Bachelor of Design in Architecture

"Studying architecture can be very challenging, but I'm proud of myself for being able to do it. We spend a lot of time in the computer labs studying on the iMacs. We also spend a lot of time in the labs, so you get to know a lot of people which is really good.

At UTS the teachers have great backgrounds and they know architecture really, really well. It's also really great to see that UTS has a building designed by Frank Gehry. It shows how UTS is modern, and is keeping with the contemporary style of Sydney."

Design and architecture employment grew by 32% in Australia, the fastest annual growth rate in 2015.

SEEK Insights and Resources

BACHELOR OF CONSTRUCTION PROJECT MANAGEMENT

COURSE DESCRIPTION

The Bachelor of Construction Project Management delivers the management, technology and process skills required to work in a variety of well-paid roles across the full spectrum of construction projects. Students are taught a wide range of project management methodologies with a strong focus on applying these to real-world projects.

The emphasis on the utilisation of digital technologies, such as building information modelling, ensures that students understand the leading-edge advances that are being implemented in the industry. This knowledge can be applied in other industry sectors, providing even further employment opportunities.

All students are required to complete a minimum of 200 days industry experience during the course, providing essential professional exposure. For the vast majority of students this entails paid employment in the industry with contractors and consultants (typically called cadetships). To broaden their personal and professional outlook, students can also choose electives, or a sub-major in a range of disciplines, outside construction project management, including business accounting, environmental studies and Aboriginal studies.

Course code: C10214
CRICOS code: 044183B
Course duration: 4 years
Number of credit points: 192
Intake: March
Location: City
Fees: A$15,000 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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

Business Accounting, Planning, Advertising Principles, Architectural Studies, Language other than English, Marketing Principles, Research Methods, Specialist Country Studies.

COURSE STRUCTURE

Year 1
Introduction to the Built Environment
Built Environment Economics
Construction Technology 1
Built Environment Law and Ethics
Digital Built Environment
Materials Science
Sustainable Urban Design and Development
Construction Technology 2

Year 2
Structures
Construction Project Management Principles
Site Establishment and Management
Digital Design and Construction 1
Cost Management 1: Measurement
Construction Technology 3
Time Management
Integrated Services

Year 3
Risk and Safety Management
Cost Management 2: Estimating
Design Team Management
Select 6 credit points of electives
Procurement and Contract Management
Construction Technology 4
Cost Management 3: Cost Planning
Select 6 credit points of electives

Year 4
Property Accounting and Financial Management
Digital Design and Construction 2
Cost Management 4: Advanced Cost Management
Select 6 credit points of electives
Human Resources and Communications Management
Professional Practice
Project Management Integration
Select 6 credit points of electives

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 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.

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 DESIGN IN ANIMATION

COURSE DESCRIPTION

The Bachelor of Design in Animation gives students with a passion for visual arts, drawing and storytelling the knowledge and hands-on experience required to create animation work that stands out in a global industry.

Graduates from this degree are image-makers, critical thinkers and storytellers in equal measure. They are equipped to be industry leaders with an ability to develop, pitch and defend ideas, creating original content for TV, film, advertising and other media.

Students learn how to observe the world around them, drawing directly from life to gain inspiration for characters and stories. They discover how to think creatively and develop ideas through multiple stages, focusing on character development, narrative and performance. They also learn fundamental 2D and 3D animation skills to bring their stories to life.

Course code: C10273
CRICOS code: 074703A
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

At UTS, students also benefit from outstanding industry connections. Across the degree, students have the opportunity to work with live projects, such as VIVID, BEAMS Festival or collaborations with the Australia Piano Quartet. UTS also has strong relationships with leading industry players such as Flying Bark Productions and Animal Logic.

The academic team understands that teamwork is at the heart of the animation industry. A studio-led approach creates a high-intensity environment where students learn how to work with their peers in a professional and collaborative atmosphere.

AREAS OF STUDY

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

COURSE STRUCTURE

Year 1
Animation Studio: Foundations in Animation Language
Context: 2D Animation Introduction
Researching Design History
Animation Studio: Foundations in Animation Design
Context: 3D Animation Introduction
Design Thinking

Year 2
Animation Studio: Narrative Investigations
Context: 3D Modelling and Rigging Introduction
Select 6 credit points of electives
3D Modelling and Rigging Advanced
Animation Studio: Narrative Experimentations
Select 6 credit points of electives

Year 3
Context: Design for 2D and 3D Digital Animation
Animation Studio: Animation Practice
Select 6 credit points of electives
Context: Experimentations for 2D and 3D Digital Animation
Animation Studio: Animation Industry Project
Select 6 credit points of electives

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 and compositor.

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.

Through the Bachelor of Design in Architecture, students learn what it means to be an architect in a globalised world. This is achieved with a focus on how the profession can shape global cities through complex spatial thinking.

The first step is to deprogram preconceived ideas of architecture. Such an approach lays the foundations for creative spatial and material awareness, pushing the boundaries of traditional architectural practice.

Course code: C10004
CRICOS code: 044179J
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,570 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

UTS takes a hands-on approach to digital design and fabrication: students learn the software, material and model-making skills required to translate thought into form, right from the start. They have the opportunity to work on real-life projects and engage with stakeholders such as the Powerhouse Museum, ABC, Sydney Harbour Foreshore Authority (SHFA), and Sydney Olympic Park Authority.

Students are globally connected with opportunities to study in, work in or visit cities such as Berlin, Los Angeles, New York and Tokyo. They hear from international experts through guest lectures and are connected to global competitions and scholarships like the Costenino Design Challenge or Frank Gehry internship program.

UTS Architecture is a young and vibrant architectural school, working from one of Australia's newest, leading-edge campuses. Its staff are actively engaged in the industry as practitioners and commentators, while its 24-hour studios are always abu133 with students who live and breathe architecture.

AREAS OF STUDY

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

COURSE STRUCTURE

Year 1
Architectural Design: Forming
Architectural History and Theory: Orientations
Architecture and Landscape Cultures
Architectural Design: Architectural Communications
Architectural Design: Making
Architectural History and Theory: Modernity and Modernism
Introduction to Construction and Structural Synthesis
Architectural Design: Architectural Communications 2

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, policymaker, researcher, educator, journalist, and disaster relief and international aid professional.

BACHELOR OF DESIGN IN FASHION AND TEXTILES

COURSE DESCRIPTION

The Bachelor of Design in Fashion and Textiles is an internationally recognised degree that gives students the start they need to pursue careers across all facets of the international fashion industry. The degree provides the conceptual knowledge and garment-making skills required to transform creative vision into compelling fashion statements.

While UTS recognises that a commercial framework is important, students are encouraged to become industry leaders through a focus on innovation, experimentation, individual expression and the future of fashion. They have full access to world-class textile and fashion workshops, working under the close supervision of expert staff. This experimental spirit is balanced by close industry ties. Students get the opportunity to work on real-world projects with brands such as Jets Swimwear, Think Positive, Australian Wool Innovation, Calcoup Knitwear and Swarovski.

Course code: C10306
CRICOS code: 077334G
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

UTS also understands that the fashion industry is as much about people as it is about garments: using studios and interdisciplinary subjects, students gain the communication and teamwork skills to develop, articulate and sell their creations to peers and industry. Graduates are recognised globally and many have gone on to work or study overseas, including fashion capitals London, New York, Tokyo and Milan. Leading international designers employing UTS graduates include Alexander McQueen, Kenzo, Abercrombie and Fitch, and Helmut Lang.

COURSE STRUCTURE

Year 1
Thinking Fashion
Studio: Foundations in Patternmaking and Construction 1
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 producer, art/creative director, textile designer, print designer and fashion forecaster. Some graduates start their own business, while others work in an established company locally or with larger international brands. Graduates can also work in fashion media, including marketing, public relations and journalism roles.

BACHELOR OF DESIGN IN PRODUCT DESIGN

COURSE DESCRIPTION

The Bachelor of Design in Product Design prepares students for a career in the global product design industry, from boutique design practice or service design to large-scale industrial production and beyond.

UTS believes a hands-on approach is fundamental for every aspiring designer. As such, the students' starting point is the individual design and making of an object. Throughout their studies students learn how to design, prototype and test solutions using the latest technologies in the faculty's digital and fabrication workshops.

Alongside a strong technical base, the degree applies the creative problem-solving required to design experiences that make a difference to everyday life, whether in developing economies or digital cultures. Central to this approach is an understanding of the relationships between objects, culture, economy, technology, business and human behaviour.

Course code: C10304
CRICOS code: 077331M
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

COURSE STRUCTURE

Year 1
Inside Design
Understanding Three-dimensional Form
Product Design Communication A
Researching Design History
Design Thinking in Product Design
Product Design Communication B
Informing Product Design
Design Thinking

Year 2
User-centred Design
Research Methods in 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
Product Design Professional Communication
Select 12 credit points from the following:
Sub-major/Options
Select 6 credit points of electives

CAREER OPPORTUNITIES

Career opportunities for graduates of the Product Design degree are expanding. Longstanding industrial design roles include working as an in-house designer in a manufacturing company or working as a design consultant. Graduates also work in emerging fields such as service and strategic design or digital interaction design, adapting advanced technologies for new experiences and networked environments. Integrated education also allows graduates to move beyond design and manage production, distribution and marketing of new products. Finally, the degree prepares graduates for further study in specialised fields such as transport design or associated professional disciplines.

BACHELOR OF DESIGN IN INTERIOR ARCHITECTURE

COURSE DESCRIPTION

The Bachelor of Design in Interior Architecture helps students to re-imagine interior environments and public spaces in local and global contexts. With a strong emphasis on people's experiences of spatial design, this degree equips students with the critical skills required to interrogate and transgress the traditional boundaries of commercial interior design.

Students learn to engage with public and urban spaces alongside internal environments. Contemporary societies and city environments are changing rapidly, and this course promotes the ability to adapt to this change and shape the way people experience interior and public spaces.

Through a strong emphasis on practice and research, students develop the ability to think conceptually and understand the complex contexts in which they are designing. Through intensive collaborative design studios, students work to develop, discuss and debate ideas as they would in industry. With skills in analogue and digital design and fabrication, they are able to tackle real-world projects in the studios as well as through competitions with stakeholders such as the Art Gallery of NSW, Object Gallery, the City of Sydney and Zumtobel Lighting.

Course code: C10271
CRICOS code: 071631C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

International connections and focus encourage recognition of UTS graduates abroad. UTS academics lead yearly international design studios in cities such as Berlin, Hong Kong, Athens, Prague and Venice. International guest lectures and workshops, as well as a wide range of exchange opportunities, enrich students' learning and expose them to different cultures of 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.

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
Design Studio: Foundations in Interior Architecture
Context: Image and Making (Representation)
Design Thinking
Researching Design History
Design Studio: Inhabitations
Context: Image and Making (Generative Methods)

Year 2
Design Studio: Performative Spaces
Context: Inhabitations
Select 6 credit points of electives
Context: Experimentations
Select 6 credit points of electives
Design Studio: Spatial Agency

Year 3
Context: Explorations
Select 6 credit points of electives
Design Studio: Industry
Context: Interdisciplinary
Design Studio: Interior Architecture Major Project
Select 6 credit points of electives

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, adaptive re-use 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 PHOTOGRAPHY Ⓦ

COURSE DESCRIPTION

In the Bachelor of Design in Photography, students learn how to create outstanding images linked to the sociocultural context that drives contemporary visual culture.

With the rapid evolution of the photographic medium due to digital and mobile technologies, images are situated in particular contexts, whether social, cultural or political. In design studios students learn how to recognise these contexts, and use and reinterpret them for their own creative work.

Students apply this understanding to the art of image making, under the guidance of expert staff, using world-standard equipment and facilities. These include darkrooms, specialist colour-managed computer labs and fully equipped photographic studios. Equipment is constantly upgraded to ensure that students only work with the best and latest devices.

Course code: C10265
CRICOS code: 093240C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

Throughout their studies, students have the unique opportunity to collaborate with other disciplines across the university, including fashion, architecture and journalism. This enables them to both pursue specific interests and learn how to collaborate with others on projects and commissions.

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
Critical Approaches to Photography
Researching Design History
Design Studio: The Photographic Studio

Year 2
Design Studio: The Digital Image
Photography Guest Lecture Program
Select 6 credit points of electives
Design Studio: The Object
Photographic Artifice
Select 6 credit points of electives

Year 3
Design Studio: Research as Practice
Professional Studies: Industry Placement
Select 6 credit points of electives
Graduation Exhibition
Professional Studies: Independent Practice
Select 6 credit points of electives

CAREER OPPORTUNITIES

There are many career options for graduates across a range of sectors, such as photography for fashion, journalism, architecture or marketing. Some graduates start their careers as photography assistants for professional photographers while others move into freelance work.

Generally, graduates can expect to work in a number of capacities, including photo agencies, advertising, and cultural production, as a freelancer working for various clients, a fine arts practitioner, or an editorial photographer for news outlets, magazines and digital media. Many graduates combine a number of these careers.

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 DESIGN IN VISUAL COMMUNICATION Ⓦ

COURSE DESCRIPTION

In the Bachelor of Design in Visual Communication students learn how to create visual messages and experiences that communicate information and ideas across many media.

Students experiment with both traditional and emerging design practices, and develop a visual language that allows them to work across digital, physical and analogue media. This visual language is broad, encompassing typography, interaction and image-making.

This degree prepares students for the evolving nature of design by engaging with the social, technological and ecological context of design practice.

Graduates are industry-ready, thanks to their ability to articulate design practices and process, the degree's internship program, and the curriculum's emphasis on real-world problem solving.

Course code: C10308
CRICOS code: 077339C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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

Year 1
VC Design Studio: Text and Image 1
VC Project: Ways of Seeing
Researching Design History
VC Design Studio: Text and Image 2
VC Project: Symbols and Systems
Design Thinking

Year 2
VC Design Studio: Narrative, Form and Time
VC Project: Contexts of Visual Communication
Select 6 credit points of electives
VC Project: Typography in Context
VC Project: Visualising Experience
Interdisciplinary Lab A
Select 6 credit points of electives

Year 3
VC Design Studio: Design Practice
Interdisciplinary Lab B
Select 6 credit points of electives
VC Design Studio: Visual Communication and Emergent Practices
VC Project: Socially Responsive Design
Select 6 credit points of electives

PROFESSIONAL RECOGNITION

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

CAREER OPPORTUNITIES

There are many career options in a range of fields for graduates, such as digital media, publication designer, graphic designer, interactive media designer, web designer, branding specialist, art director, motion graphics designer, advertising, illustrator, and exhibition designer. Graduates are also equipped with the skills to become writers, researchers, editors and critics, and to apply design thinking in a non-design industry business.

BACHELOR OF LANDSCAPE ARCHITECTURE

COURSE DESCRIPTION

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

This degree is for those who are passionate about sustainability, ecology, urban environments and design. Equipped with the applied knowledge of how successful public spaces can help bind complex city environments, students learn to create sustainable and cohesive places. Through intensive design studio projects, students develop creative, practical and resilient design solutions that combine both art and science. This combination is essential to balancing environmental needs with those of contemporary society and culture. Students are poised to become design professionals who can creatively address key challenges of contemporary society including climate change, urban densification and biodiversity loss.

To teach the necessary design strategies, tools and methods, the degree focuses on global cities, notably in Europe and Asia. This focus is manifested in case studies, design and planning theory, technical analysis, and global study tours. A strong international focus is balanced by in-depth study of the local environment to ensure that ecological thinking is applied to city landscape design.

The honours stream allows students to work at a higher level of academic study in a relevant area of interest. UTS offers graduates the opportunity to apply to the Master of Landscape Architecture (approved for offer from Autumn 2017).

Course code: C10341
CRICOS code: 080269G
Course duration: 4 years
Number of credit points: 192
Intake: March
Location: City
Fees: A$17,570 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

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

COURSE STRUCTURE

Year 1
Landscape Architecture Studio 1: Forming
Landscape History and Theory 1
Architecture and Landscape Cultures
Architectural Design: Architectural Communications
Landscape Architecture Studio 2: Making
Landscape History and Theory 2
Landscape Tectonics
Architectural Design: Architectural Communications 2

Year 2
Landscape Architecture Studio 3: Grounding
Territory
Contemporary Issues in Landscape Architecture
Select 6 credit points of electives
Landscape Architecture Studio 4: Civic
Urbanisms
Landscape Ecologies
Select 6 credit points of electives

Year 3
Landscape Architecture Studio 5: Infrastructures
Landscape Infrastructure
Botany for Landscape Architecture
Select 6 credit points of electives
Landscape Architecture Studio 6: City
Landscape Urbanism
Landscape Architecture Technology
Select 6 credit points of electives

Year 4
Advanced Landscape Architectural Design Studio 1
Architectural Practice: Research Cultures
Select 6 credit points from the following:
Options (Landscape)
Advanced Landscape Architectural Design Studio 2
Architectural Practice: Advocacy
Select 6 credit points from the following:
Options (Landscape)

PROFESSIONAL RECOGNITION

The course has received preliminary accreditation by the Australian Institute of Landscape Architects. Full accreditation will be sought in 2017, six months before the graduation of the first student cohort.

CAREER OPPORTUNITIES

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

BACHELOR OF PROPERTY ECONOMICS

COURSE DESCRIPTION

Course code: C10310
CRICOS code: 079553C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$15,000 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

For students who have thought about a career in business, economics or property, the Bachelor of Property Economics provides the edge to get started in a global industry.

In this degree students learn the specialist knowledge required to enter the property sector, with skills in property valuation, market analysis, investment and development. Their skill set is just as relevant locally as it is internationally.

This degree covers economic, legal and financial disciplines, giving students the flexibility to pursue a variety of career paths. This business knowledge is also transferable, providing options for a transition to other sectors as careers develop.

UTS graduates are highly sought after and have excellent starting salaries: the property industry actively recruits property economics students. Most students are working in the industry by their third year of study.

This job-readiness results from UTS's industry connections: the curriculum was developed in consultation with industry, guest lecturers come from industry, and students work with real-world projects such as Barangaroo, Central Park and Green Square.

The degree structures classes so that students do a mixture of individual and team-based work, mixing theory and practice. This means graduates seamlessly fit into team-based, workplace environments.

AREAS OF STUDY

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

COURSE STRUCTURE

Year 1
Built Environment Law and Ethics
Built Environment Economics
Construction and Development Process
Property Valuation
Built Environment Law and Professional Practice
Microeconomics for Property
Financial Analysis
Property Accounting and Financial Management

Year 2
Property Rights and Landlord Tenant Law
Urban Economics
Urban Planning Process
Select 6 credit points of electives
Property Management
Property Market Research and Analysis
Property Investment and Valuation
Select 6 credit points of electives

Year 3
Property Finance
Statutory Valuation and Compensation
Select one of the following:
Sustainable Construction and Development Management
Property Investment and Portfolio Management
Select 6 credit points of electives
Property and Political Economy
Property Taxation
Capstone Project: Property Development Analysis
Select 6 credit points of electives

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.

HONOURS DEGREES

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09064	Bachelor of Design (Honours)	2	A$17,270	March, July	City	079560D
C09056	Bachelor of Design (Honours) in Animation	2	A$17,270	March	City	074705K
C09048	Bachelor of Design (Honours) in Architecture	2	A$17,570	March	City	044180E
C09060	Bachelor of Design (Honours) in Fashion and Textiles	2	A$17,270	March	City	077330A
C09059	Bachelor of Design (Honours) in Product Design	2	A$17,270	March	City	077332K
C09055	Bachelor of Design (Honours) in Interior Architecture	2	A$17,270	March	City	071630D
C09052	Bachelor of Design (Honours) in Photography	2	A$17,270	March	City	093241B
C09061	Bachelor of Design (Honours) in Visual Communication	2	A$17,270	March	City	077340K
C09063	Bachelor of Property Economics (Honours)	2	A$15,000	March	City	079555A

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10215	Bachelor of Construction Project Management Bachelor of Arts in International Studies	12	A$15,000	March	City	047836A
C10274	Bachelor of Design in Animation Bachelor of Arts in International Studies	10	A$17,270	March	City	074704M
C10356	Bachelor of Design in Animation Bachelor of Creative Intelligence and Innovation	8	A$17,270	March		088068G
C10325	Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,570	March	City	079755D
C10307	Bachelor of Design in Fashion and Textiles Bachelor of Arts in International Studies	10	A$17,270	March	City	077338D
C10321	Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079751G
C10305	Bachelor of Design in Product Design Bachelor of Arts in International Studies	10	A$17,270	March	City	077333J
C10323	Bachelor of Design in Product Design Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079753F
C10272	Bachelor of Design in Interior Architecture Bachelor of Arts in International Studies	10	A$17,270	March	City	071646G
C10322	Bachelor of Design in Interior Architecture Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079752G
C10266	Bachelor of Design in Photography Bachelor of Arts in International Studies Ⓦ	10	A$17,270	March	City	093242A
C10309	Bachelor of Design in Visual Communication Bachelor of Arts in International Studies Ⓦ	10	A$17,270	March	City	077341J
C10324	Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079754E
C10320	Bachelor of Property Economics Bachelor of Arts in International Studies	10	A$15,000	March	City	079556M

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: EDUCATION

primary education • secondary education • kindergarten - year 12 education

> **Join a top-ranked program.** In the 2017 QS World University Subject Rankings, UTS: Education is ranked in the top 150 in Education.

> **Gain confidence as a primary, secondary or kindergarten to year 12 teacher** in the Bachelor of Arts Bachelor of Education. Our practice-oriented course integrates the latest educational theory with an engaging professional experience program.

> **Develop the skills, knowledge and hands on experience sought by employers worldwide.** Our courses combine theory with extensive professional teaching experiences each year.

> **Take up the opportunity to specialise in Mathematics or Science and Technology** if you go into the primary major. These specialisations can strengthen your job prospects when you graduate.

> **Be challenged and inspired through the option of an international professional experience trip.** In recent years students have gone to China, Thailand, Indonesia, Samoa and South Korea.

Note:
1. The countries that are selected change from year to year.
2. This opportunity is only available to students in the primary major.

> **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 give you 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 and purpose-built teacher education facilities** that support contemporary modes of teaching and learning. These spaces also provide opportunities for technology-enabled project work and collaborative learning.

IN 2016 UTS: ARTS AND SOCIAL SCIENCES HAD:

3810	undergraduate coursework students
260	international undergraduate coursework students
55	students go overseas on global exchange

> **Benefit from innovative and interdisciplinary research.** Our coursework programs are informed by the latest developments, including research gained from UTS's International Research Centre for Youth Futures.

Note: UTS School of Education students follow the UTS Academic Calendar B, due to work-based training components that need to be undertaken. Please see **handbook.uts.edu.au/dates_academic.html** for Calendar B Autumn and Spring session dates, including Orientation.

Photos: 1 2 3 4 5 6 K Photography

YU YAN TRAN, AUSTRALIA

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 session. 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."

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."

Undertake
PROFESSIONAL EXERIENCE
nearly every teaching session, every year with schools in our undergraduate education course.

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10350	Bachelor of Arts Bachelor of Education Ⓦ	8	A$15,145	February	City	087949E
C10349	Bachelor of Education Bachelor of Arts in International Studies Ⓦ	10	A$15,145	February	City	087950A

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.

6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Welcome to the
classroom!

UTS: ENGINEERING

biomedical • civil • civil (construction) • civil (structures) • data • civil and environmental • electrical • electronic • mechanical • mechatronic • mechanical and mechatronic • software

> **Earn an internationally recognised degree.** Our Bachelor of Engineering (Honours) is accredited by Engineers Australia and therefore recognised by all 17 countries who are signatories of the Washington Accord.

> **Join a top international program.** In the 2017 QS World University Subject Rankings, UTS ranked in the top 150 for Civil and Structural Engineering, and Electric and Electronic Engineering.

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

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

> **Access state-of-the-art facilities and technologies.** Our A$229 million environmentally sustainable building features a 3D data visualisation arena, software development studio, a remote lab, and many other specialist laboratories.

> **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 institutes.

IN 2016 UTS: ENGINEERING & IT HAD:

6260	undergraduate coursework students
1330	international undergraduate coursework students
55	students go overseas on global exchange

Scholarship opportunities

The Engineering International Undergraduate Excellence Scholarships are valued at AU$5000 and are 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.

For further information visit **www.uts.edu.au/scholarships**

Photos: 1 2 4 5 Chris Shain 3 Andrew Worssam

YIJIA XU, CHINA

Bachelor of Engineering (Honours)

"UTS is very innovative and has an inspiring learning environment. I know UTS is very famous for Engineering, so that's the reason I chose this university.

I'm currently studying the Engineering Communication subject, and it's about the professional skills required for a career in Engineering. It teaches you how to communicate and cooperate with others, and how to create and engage in a fantastic work environment. It's important because before this subject, I thought engineering was just about calculations and paperwork. I'm not very good at communicating with others so this subject gives me a good opportunity to practise these skills."

MOHAMMED CHOWDRY, BANGLADESH

Bachelor of Engineering

"The thing I loved the most about my engineering degree at UTS was the lab visits and experiments. We visited different industries then wrote reports, which we followed up with different plans and abstracts based on these visits. I really enjoyed the problem-solving skills of engineering. Whenever we did case studies or practical activities, we had to find solutions in the most efficient and ethical manner.

As part of my degree I also completed a 12 week internship. I did my work experience with an engineering consulting firm where I was given the role of drafting designs for my senior managers. In this role, I could implement what I'd learnt in my subjects, like engineering project management. That was a really good experience because I was exposed to industry and that was thanks to UTS."

The world's 1st bridge inspection robot was designed and created at UTS.

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).

BACHELOR OF ENGINEERING (HONOURS) W

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.

Course code: C09066
CRICOS code: 084098A
Course duration: 4 years
Number of credit points: 198
Intake: March, July
Location: City
Fees: A$20,175 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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 (with construction specialisation), civil (with structures specialisation), civil and environmental, data, electrical, electronic, mechanical, mechanical and mechatronic, mechatronic, software, no specified major.

COURSE STRUCTURE

Biomedical Engineering major, Autumn commencing

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
- Advanced Data Analytics
- Introduction to Data Analytics
- Engineering Biomedical Polymer

Engineering Work Experience
Entrepreneurship and Commercialisation
Select 18 credit points from the following:
- Medical Imaging
- Neuroscience
- Mechatronics 2
- Advanced Data Analytics
- Introduction to Data Analytics
- Engineering Biomedical Polymer

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
Engineering Capstone
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, Autumn commencing

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
Select 6 credit points of options
Engineering Work Experience

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Steel and Timber Design
Select 6 credit points of options
Computer Modelling and Design
Engineering Capstone
Hydraulics and Hydrology
Select 6 credit points of options

Civil (Construction specialisation) Engineering major, Autumn commencing

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
Construction Technology 3
Geotechnical Engineering
Construction Project Management Principles
Engineering Work Experience
Select 12 credit points of options

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Select 6 credit points from the following:
- Steel and Timber Design
- Construction Technology 4
- Design Team Management
- Environmental Planning and Law
- Road and Transport Engineering

Select 6 credit points of options
Hydraulics and Hydrology
Engineering Capstone
Select 6 credit points from the following:
- Steel and Timber Design
- Construction Technology 4
- Design Team Management
- Environmental Planning and Law
- Road and Transport Engineering

Select 6 credit points of options
Entrepreneurship and Commercialisation

Civil (Structures specialisation) Engineering major, Autumn commencing

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
Select 6 credit points of options
Engineering Work Experience
Entrepreneurship and Commercialisation
Geotechnical Engineering
Select 6 credit points from the following:
- Environmental and Sanitation Engineering
- Road and Transport Engineering

Select 6 credit points of options

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Advanced Engineering Computing
Steel and Timber Design
Select 6 credit points of options
Engineering Capstone
Computer Modelling and Design
Select 6 credit points of options
Hydraulics and Hydrology

Civil and Environmental Engineering major, Autumn commencing

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
Water Supply and Wastewater Engineering
Engineering Computations
Engineering Practice Preparation 1
Engineering Economics and Finance
Construction Materials
Fluid Mechanics
Principles of Environmental Engineering

Year 3
Engineering Project Management
Structural Analysis
Pollution Control and Waste Management
Hydraulics and Hydrology
Entrepreneurship and Commercialisation
Soil Behaviour
Environmental Chemical Processes
Concrete Design
Engineering Work Experience

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Geotechnical Engineering
Environmental Planning and Law
Road and Transport Engineering
Engineering Capstone
Renewable Energy Technology
Water and Environmental Design
Steel and Timber Design

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.

Electrical Engineering major, Autumn commencing

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
Fundamentals of C Programming
Circuit Analysis
Advanced Mathematics and Physics
Engineering Practice Preparation 1
Engineering Economics and Finance
Electromechanical Automation
Signals and Systems
Select 6 credit points of options

Year 3
Engineering Project Management
Select 12 credit points from the following:
- Advanced Digital Systems
- Introductory Control
- Electrical Machines
- Power Circuit Theory

Select 6 credit points of options
Engineering Work Experience
Entrepreneurship and Commercialisation
Select 6 credit points from the following:
- Advanced Control
- Embedded Software
- Power Electronics and Drives
- Power Systems Analysis and Design

Select 6 credit points from the following:
- Advanced Digital Systems
- Introductory Control
- Electrical Machines
- Power Circuit Theory

Select 6 credit points of options

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Select 12 credit points from the following:
- Advanced Control
- Embedded Software
- Power Electronics and Drives
- Power Systems Analysis and Design

Select 6 credit points from the following:
- Advanced Robotics
- Real-time Operating Systems
- Renewable Energy Systems
- Power Systems Operation and Protection

Engineering Capstone
Select 12 credit points from the following:
- Advanced Robotics
- Real-time Operating Systems
- Renewable Energy Systems
- Power Systems Operation and Protection

Select 6 credit points of options

Mechanical Engineering major, Autumn commencing

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
Mechanical Design 1
Machine Dynamics
Fluid Mechanics
Strength of Engineering Materials

Year 3
Engineering Economics and Finance
Mechanical Design 2
Thermodynamics
Dynamics and Control
Engineering Project Management
Advanced Manufacturing
Mechanical Vibration and Measurement
Heat Transfer
Engineering Work Experience

Year 4
Engineering Workplace Reflection
Mechanical and Mechatronic Design
Engineering Research Preparation
Select 12 credit points of options
Entrepreneurship and Commercialisation
Engineering Capstone
Select 12 credit points of options

Mechanical and Mechatronic Engineering major, Autumn commencing

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
Manufacturing Engineering

Year 2
Engineering Practice Preparation 1
Design and Innovation Fundamentals
Electronics and Circuits
Mechanics of Solids
Machine Dynamics
Mechanical Design 1
Mechatronics 1
Strength of Engineering Materials
Fluid Mechanics

Year 3
Mechatronics 2
Thermodynamics
Dynamics and Control
Engineering Economics and Finance
Engineering Project Management
Programming for Mechatronic Systems
Mechanical Design 2
Electromechanical Automation
Engineering Work Experience

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Robotics
Sensors and Control for Mechatronic Systems
Heat Transfer
Entrepreneurship and Commercialisation
Engineering Capstone
Mechanical and Mechatronic Design
Select 6 credit points of options

Mechatronic Engineering major, Autumn commencing

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
Manufacturing Engineering

Year 2
Engineering Practice Preparation 1
Design and Innovation Fundamentals
Electronics and Circuits
Mechanics of Solids
Machine Dynamics
Mechanical Design 1
Mechatronics 1
Strength of Engineering Materials
Thermodynamics

Year 3
Mechatronics 2
Mechanical Design 2
Dynamics and Control
Engineering Economics and Finance
Engineering Project Management
Programming for Mechatronic Systems
Sensors and Control for Mechatronic Systems
Electromechanical Automation
Engineering Work Experience

Year 4
Engineering Workplace Reflection
Engineering Research Preparation
Robotics
Select 12 credit points of options
Entrepreneurship and Commercialisation
Engineering Capstone
Select 12 credit points of options

Data Engineering major, Autumn commencing

Year 1
Mathematical Modelling 1
Engineering Communication
Introduction to Data Engineering
Fundamentals of C Programming
Mathematical Modelling 2
Network Fundamentals
Introduction to Data Analytics
Data Engineering Fundamentals Studio A

Year 2
Engineering Practice Preparation 1
Physical Modelling
Sensing, Actuation and Control
Information and Signals
Data Engineering Fundamentals Studio B
Design and Innovation Fundamentals
Data Systems
Data Engineering Applications Studio A
Select 6 credit points from the following:
- Technical subject choice (Data Engineering)

Year 3
Engineering Economics and Finance
Data Engineering Design
Data Engineering Applications Studio B
Select 6 credit points from the following:
- Technical subject choice (Data Engineering)

Engineering Project Management
Interrogating Technology: Sustainability, Environment and Social Change
Data Engineering Professional Studio A
Engineering Work Experience
Select 6 credit points from the following:
- Technical subject choice (Data Engineering)

Year 4
Entrepreneurship and Commercialisation
Engineering Research Preparation
Data Engineering Professional Studio B
Engineering Workplace Reflection
Select 6 credit points of options
Engineering Capstone
Select 18 credit points of options

Software Engineering major, Autumn commencing

Year 1
Mathematical Modelling 1
Engineering Communication
Applications Programming
Business Requirements Modelling
Mathematical Modelling 2
Sensing, Actuation and Control
Systems Testing and Quality Management
Database Fundamentals

Year 2
Engineering Practice Preparation 1
Physical Modelling
Data Structures and Algorithms
Select 6 credit points of options
Software Engineering Studio 1A
Design and Innovation Fundamentals
Information System Development Methodologies
Software Engineering Studio 1B
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Year 3
Engineering Economics and Finance
Software Engineering Studio 2A
Select 6 credit points of options
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Engineering Work Experience
Engineering Project Management
Software Engineering Studio 2B
Software Architecture
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Year 4
Engineering Research Preparation
Entrepreneurship and Commercialisation
Engineering Workplace Reflection
Software Engineering Studio 3A
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Engineering Capstone
Software Engineering Studio 3B
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.

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.

PROFESSIONAL RECOGNITION

The Bachelor of Engineering (Honours) is accredited by Engineers Australia. Under the Washington Accord the degree is internationally recognised by the following countries: Canada, China, Chinese Taipei, Hong Kong China, India, Ireland, Japan, Korea, Malaysia, New Zealand, Russia, Singapore, South Africa, Sri Lanka, Turkey, United Kingdom, and the United States.

CAREER OPPORTUNITIES

Career options depend on the major chosen.

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 sessions of internship (normally paid) in a real workplace setting. A number of the areas of study are available with explicit specialisations. For example, 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.

Course code: C09067
CRICOS code: 084099M
Course duration: 5 years
Number of credit points: 240
Intake: March, July
Location: City
Fees: A$20,175 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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 (with construction specialisation), civil (with structures specialisation), civil and environmental, data, electrical, electronic, mechanical, mechanical and mechatronic, mechatronic, software, no specified major.

COURSE STRUCTURE

Biomedical Engineering major, Autumn commencing

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 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
- Advanced Data Analytics
- Introduction to Data Analytics
- Engineering Biomedical Polymer

Year 4
Entrepreneurship and Commercialisation
Engineering Practice Preparation 2
Select 18 credit points from the following:
- Medical Imaging
- Neuroscience
- Mechatronics 2
- Advanced Data Analytics
- Introduction to Data Analytics
- Engineering Biomedical Polymer

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

Select 12 credit points of options
Engineering Capstone
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, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Design and Innovation Fundamentals	Engineering Economics and Finance	Entrepreneurship and Commercialisation	Engineering Practice Reflection 2
Engineering Communication	Engineering Computations	Soil Behaviour	Environmental and Sanitation Engineering	Engineering Research Preparation
Physical Modelling	Mechanics of Solids	Structural Analysis	Geotechnical Engineering	Steel and Timber Design
Introduction to Civil and Environmental Engineering	Construction	Construction Materials	Select 6 credit points of options	Select 12 credit points of options
Mathematical Modelling 2	Engineering Practice Preparation 1	Engineering Practice Reflection 1	Engineering Practice Preparation 2	Computer Modelling and Design
Engineering Mechanics	Engineering Professional Experience 1	Engineering Project Management	Engineering Professional Experience 2	Engineering Capstone
Surveying	Work Integrated Learning 1	Concrete Design	Work Integrated Learning 2	Select 6 credit points of options
Chemistry and Materials Science		Fluid Mechanics		Hydraulics and Hydrology
		Road and Transport Engineering		

Civil (Construction specialisation) Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Design and Innovation Fundamentals	Engineering Economics and Finance	Geotechnical Engineering	Engineering Practice Reflection 2
Engineering Communication	Engineering Computations	Soil Behaviour	Construction Project Management Principles	Engineering Research Preparation
Physical Modelling	Mechanics of Solids	Structural Analysis	Engineering Practice Preparation 2	Select 6 credit points from the following:
Introduction to Civil and Environmental Engineering	Construction	Construction Materials	Select 12 credit points of options	Steel and Timber Design
Mathematical Modelling 2	Engineering Practice Preparation 1	Engineering Practice Reflection 1	Engineering Professional Experience 2	Construction Technology 4
Engineering Mechanics	Engineering Professional Experience 1	Engineering Project Management	Work Integrated Learning 2	Design Team Management
Surveying	Work Integrated Learning 1	Concrete Design		Environmental Planning and Law
Chemistry and Materials Science		Fluid Mechanics		Road and Transport Engineering
		Construction Technology 3		Select 6 credit points of options
				Hydraulics and Hydrology
				Engineering Capstone
				Select 6 credit points from the following:
				Steel and Timber Design
				Construction Technology 4
				Design Team Management
				Environmental Planning and Law
				Road and Transport Engineering
				Select 6 credit points of options
				Entrepreneurship and Commercialisation

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.

Civil (Structures specialisation) Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Design and Innovation Fundamentals	Engineering Economics and Finance	Entrepreneurship and Commercialisation	Engineering Research Preparation
Engineering Communication	Engineering Computations	Soil Behaviour	Geotechnical Engineering	Advanced Engineering Computing
Physical Modelling	Mechanics of Solids	Structural Analysis	Select 6 credit points from the following:	Steel and Timber Design
Introduction to Civil and Environmental Engineering	Construction	Construction Materials	Environmental and Sanitation Engineering	Engineering Practice Reflection 2
Mathematical Modelling 2	Engineering Practice Preparation 1	Engineering Practice Reflection 1	Road and Transport Engineering	Select 6 credit points of options
Engineering Mechanics	Engineering Professional Experience 1	Engineering Project Management	Select 6 credit points of options	Engineering Capstone
Surveying	Work Integrated Learning 1	Concrete Design	Engineering Practice Preparation 2	Computer Modelling and Design
Chemistry and Materials Science		Fluid Mechanics	Engineering Professional Experience 2	Select 6 credit points of options
		Select 6 credit points of options	Work Integrated Learning 2	Hydraulics and Hydrology

Civil and Environmental Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Design and Innovation Fundamentals	Engineering Economics and Finance	Entrepreneurship and Commercialisation	Engineering Research Preparation
Physical Modelling	Mechanics of Solids	Construction Materials	Soil Behaviour	Geotechnical Engineering
Engineering Communication	Principles of Environmental Engineering	Fluid Mechanics	Environmental Chemical Processes	Environmental Planning and Law
Introduction to Civil and Environmental Engineering	Engineering Computations	Water Supply and Wastewater Engineering	Concrete Design	Road and Transport Engineering
Mathematical Modelling 2	Engineering Practice Preparation 1	Engineering Practice Reflection 1	Engineering Practice Preparation 2	Engineering Practice Reflection 2
Engineering Mechanics	Engineering Professional Experience 1	Engineering Project Management	Engineering Professional Experience 2	Engineering Capstone
Chemistry 1	Work Integrated Learning 1	Structural Analysis	Work Integrated Learning 2	Renewable Energy Technology
Surveying		Pollution Control and Waste Management		Water and Environmental Design
		Hydraulics and Hydrology		Steel and Timber Design

Electrical Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Design and Innovation Fundamentals	Engineering Economics and Finance	Entrepreneurship and Commercialisation	Engineering Research Preparation
Engineering Communication	Fundamentals of C Programming	Electromechanical Automation	Engineering Practice Preparation 2	Engineering Practice Reflection 2
Introduction to Electrical Engineering	Circuit Analysis	Signals and Systems	Select 6 credit points from the following:	Select 12 credit points from the following:
Physical Modelling	Advanced Mathematics and Physics	Engineering Practice Reflection 1	Advanced Control	Embedded Software
Mathematical Modelling 2	Engineering Practice Preparation 1	Select 6 credit points of options	Embedded Software	Power Electronics & Drives
Introductory Digital Systems	Engineering Professional Experience 1	Engineering Project Management	Power Electronics and Drives	Advanced Control
Fundamentals of Electrical Engineering	Work Integrated Learning 1	Select 12 credit points from the following:	Power Systems Analysis and Design	Power Systems Analysis and Design
Electronics and Circuits		Advanced Digital Systems	Select 6 credit points from the following:	Select 6 credit points from the following:
		Introductory Control	Advanced Digital Systems	Advanced Robotics
		Electrical Machines	Introductory Control	Real-time Operating Systems
		Power Circuit Theory	Electrical Machines	Renewable Energy Systems
		Select 6 credit points of options	Power Circuit Theory	Power Systems Operation & Protection
			Select 6 credit points of options	Engineering Capstone
			Engineering Professional Experience 2	Select 12 credit points from the following:
			Work Integrated Learning 2	Advanced Robotics
				Real-time Operating Systems
				Renewable Energy Systems
				Power Systems Operation & Protection
				Select 6 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).

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.

Electronic Engineering major, Autumn commencing*

Year 1	Year 2	Year 3	Year 4	Year 5
Maths Modelling 1	Physical Modelling	Design and Innovation Fundamentals	Engineering Economics & Finance	Research Preparation
Engineering Communication	Sensing, Actuation and Control	Entrepreneurship and Commercialisation	Elective 2	Elective 3
Fundamentals of C Programming	Electronics and Circuits	Information and Signals	Sub-Major Extension 2	Electronic Engineering Design
Introduction to Electronic Engineering	Fundamentals Studio B	Sub-Major Fundamentals	App Studio B	Professional Studio A
Maths Modelling 2	Engineering Practice Preparation 1	Engineering Practice Ref 1	Engineering Practice Preparation 2	Engineering Practice Ref 2
Network Fundamentals	Engineering Professional Experience 1	Engineering Project Management	Engineering Professional Experience 2	Honours Project
Introduction to Electrical Engineering	Work Integrated Learning 1	Elective 1	Work Integrated Learning 2	Elective 4, or Honours Project Extension
Fundamentals Studio A		Sub-Major Extension 1		Electronic Engineering System
		App Studio A		Prof Studio B

Mechanical Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Engineering Practice Preparation 1	Engineering Practice Reflection 1	Engineering Practice Preparation 2	Mechanical and Mechatronic Design
Engineering Communication	Design and Innovation Fundamentals	Mechanical Design 1	Engineering Project Management	Engineering Research Preparation
Introduction to Mechanical and Mechatronic Engineering	Manufacturing Engineering	Machine Dynamics	Advanced Manufacturing	Engineering Practice Reflection 2
Physical Modelling	Mechanics of Solids	Fluid Mechanics	Mechanical Vibration and Measurement	Select 12 credit points of options
Mathematical Modelling 2	Engineering Computations	Strength of Engineering Materials	Heat Transfer	Entrepreneurship and Commercialisation
Introduction to Electrical Engineering	Engineering Professional Experience 1	Engineering Economics and Finance	Engineering Professional Experience 2	Engineering Capstone
Fundamentals of Mechanical Engineering	Work Integrated Learning 1	Mechanical Design 2	Work Integrated Learning 2	Select 12 credit points of options
Chemistry and Materials Science		Thermodynamics		
		Dynamics and Control		

Mechanical and Mechatronic Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Engineering Practice Preparation 1	Mechanical Design 1	Engineering Practice Preparation 2	Engineering Research Preparation
Engineering Communication	Design and Innovation Fundamentals	Mechatronics 1	Engineering Project Management	Robotics
Introduction to Mechanical and Mechatronic Engineering	Electronics and Circuits	Strength of Engineering Materials	Programming for Mechatronic Systems	Engineering Practice Reflection 2
Physical Modelling	Mechanics of Solids	Fluid Mechanics	Mechanical Design 2	Sensors and Control for Mechatronic Systems
Mathematical Modelling 2	Machine Dynamics	Engineering Practice Reflection 1	Electromechanical Automation	Heat Transfer
Introduction to Electrical Engineering	Engineering Professional Experience 1	Mechatronics 2	Engineering Professional Experience 2	Entrepreneurship and Commercialisation
Fundamentals of Mechanical Engineering	Work Integrated Learning 1	Thermodynamics	Work Integrated Learning 2	Engineering Capstone
Manufacturing Engineering		Dynamics and Control		Mechanical and Mechatronic Design
		Engineering Economics and Finance		Select 6 credit points of options

Mechatronic Engineering major, Autumn commencing

Year 1	Year 2	Year 3	Year 4	Year 5
Mathematical Modelling 1	Engineering Practice Preparation 1	Mechanical Design 1	Engineering Practice Preparation 2	Engineering Research Preparation
Engineering Communication	Design and Innovation Fundamentals	Mechatronics 1	Engineering Project Management	Robotics
Introduction to Mechanical and Mechatronic Engineering	Electronics and Circuits	Strength of Engineering Materials	Programming for Mechatronic Systems	Engineering Practice Reflection 2
Physical Modelling	Mechanics of Solids	Thermodynamics	Sensors and Control for Mechatronic Systems	Select 12 credit points of options
Mathematical Modelling 2	Machine Dynamics	Engineering Practice Reflection 1	Electromechanical Automation	Entrepreneurship and Commercialisation
Introduction to Electrical Engineering	Engineering Professional Experience 1	Mechatronics 2	Engineering Professional Experience 2	Engineering Capstone
Fundamentals of Mechanical Engineering	Work Integrated Learning 1	Mechanical Design 2	Work Integrated Learning 2	Select 12 credit points of options
Manufacturing Engineering		Dynamics and Control		
		Engineering Economics and Finance		

* Elements of the course structure may change.

Data Engineering major, Autumn commencing

Year 1
- Mathematical Modelling 1
- Engineering Communication
- Introduction to Data Engineering
- Fundamentals of C Programming
- Mathematical Modelling 2
- Network Fundamentals
- Introduction to Data Analytics
- Data Engineering Fundamentals Studio A

Year 2
- Engineering Practice Preparation 1
- Physical Modelling
- Sensing, Actuation and Control
- Information and Signals
- Data Engineering Fundamentals Studio B
- Engineering Professional Experience 1
- Work Integrated Learning 1

Year 3
- Design and Innovation Fundamentals
- Data Systems
- Data Engineering Applications Studio A
- Engineering Practice Reflection 1
- Select 6 credit points from the following:
  - Technical subject choice (Data Engineering)
- Engineering Economics and Finance
- Data Engineering Design
- Data Engineering Applications Studio B
- Select 6 credit points from the following:
  - Technical subject choice (Data Engineering)

Year 4
- Engineering Project Management
- Interrogating Technology: Sustainability, Environment and Social Change
- Data Engineering Professional Studio A
- Engineering Practice Preparation 2
- Select 6 credit points from the following:
  - Technical subject choice (Data Engineering)
- Engineering Professional Experience 2
- Work Integrated Learning 2

Year 5
- Entrepreneurship and Commercialisation
- Engineering Research Preparation
- Data Engineering Professional Studio B
- Engineering Practice Reflection 2
- Select 6 credit points of options
- Engineering Capstone
- Select 18 credit points of options

Software Engineering major, Autumn commencing

Year 1
- Mathematical Modelling 1
- Engineering Communication
- Applications Programming
- Business Requirements Modelling
- Mathematical Modelling 2
- Sensing, Actuation and Control
- Systems Testing and Quality Management
- Database Fundamentals

Year 2
- Engineering Practice Preparation 1
- Physical Modelling
- Data Structures and Algorithms
- Select 6 credit points of options
- Software Engineering Studio 1A
- Engineering Professional Experience 1
- Work Integrated Learning 1

Year 3
- Design and Innovation Fundamentals
- Information System Development Methodologies
- Software Engineering Studio 1B
- Engineering Practice Reflection 1
- Select 6 credit points from the following:
  - Technical subject choice (Software Engineering)
- Engineering Economics and Finance
- Software Engineering Studio 2A
- Software Architecture
- Select 6 credit points from the following:
  - Technical subject choice (Software Engineering)

Year 4
- Engineering Practice Preparation 2
- Engineering Project Management
- Software Engineering Studio 2B
- Select 6 credit points of options
- Select 6 credit points from the following:
  - Technical subject choice (Software Engineering)
- Engineering Professional Experience 2
- Work Integrated Learning 2

Year 5
- Engineering Research Preparation
- Entrepreneurship and Commercialisation
- Engineering Practice Reflection 2
- Software Engineering Studio 3A
- Select 6 credit points from the following:
  - Technical subject choice (Software Engineering)
- Engineering Capstone
- Select 12 credit points of options
- Software Engineering Studio 3B

PROFESSIONAL RECOGNITION

The Bachelor of Engineering (Honours) is accredited by Engineers Australia. Under the Washington Accord the degree is internationally recognised by the following countries: Canada, China, Chinese Taipei, Hong Kong China, India, Ireland, Japan, Korea, Malaysia, New Zealand, Russia, Singapore, South Africa, Sri Lanka, Turkey, the United Kingdom, and the United States.

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.

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.

Course code: C10066
CRICOS code: 033909D
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$19,015 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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, data, electrical, mechanical, mechatronic, software, no specified major.

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

Data Engineering major

Year 1
Mathematical Modelling 1
Engineering Communication
Fundamentals of C Programming
Introduction to Data Engineering
Mathematical Modelling 2
Introduction to Data Analytics
Network Fundamentals
Data Engineering Fundamentals Studio A

Year 2
Physical Modelling
Sensing, Actuation and Control
Information and Signals
Data Engineering Fundamentals Studio B
Design and Innovation Fundamentals
Data Engineering Applications Studio A
Select 12 credit points from the following:
Technical subject choice (Data Engineering)

Year 3
Engineering Economics and Finance
Data Engineering Applications Studio B
Select 6 credit points from the following:
Technical subject choice (Data Engineering)
Select 6 credit points of options
Interrogating Technology: Sustainability, Environment and Social Change
Project BEngSc
Select 12 credit points of options

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
Fundamentals of C Programming
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

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.

Electronic Engineering major, Autumn commencing*

Year 1
Maths Modelling 1
Engineering Communication
Fundamentals of C Programming
Introduction to Electronic Engineering
Maths Modelling 2
Network Fundamentals
Introduction to Electrical Engineering
Fundamentals Studio A

Year 2
Physical Modelling
Sensing, Actuation and Control
Electronics and Circuits
Fundamentals Studio B
Engineering Practice Preparation 1
Engineering Professional Experience 1
Work Integrated Learning 1

Year 3
Design and Innovation Fundamentals
Entrepreneurship and Commercialisation
Information and Signals
Sub-Major Fundamentals
Engineering Practice Ref 1
Engineering Project Management
Elective 1
Sub-Major Extension 1
App Studio A

Year 4
Engineering Economics & Finance
Elective 2
Sub-Major Extension 2
App Studio B
Engineering Practice Preparation 2
Engineering Professional Experience 2
Work Integrated Learning 2

Year 5
Research Preparation
Elective 3
Electronic Engineering Design
Professional Studio A
Engineering Practice Ref 2
Honours Project
Elective 4, or Honours Project Extension
Electronic Engineering System
Prof Studio B

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

Mechatronic Engineering major

Year 1
Mathematical Modelling 1
Engineering Communication
Physical Modelling
Introduction to Mechanical and Mechatronic Engineering
Mathematical Modelling 2
Manufacturing Engineering
Fundamentals of Mechanical Engineering
Introduction to Electrical Engineering

Year 2
Design and Innovation Fundamentals
Electronics and Circuits
Mechanics of Solids
Mechatronics 1
Engineering Economics and Finance
Mechanical Design 1
Mechatronics 2
Machine Dynamics

Year 3
Programming for Mechatronic Systems
Electromechanical Automation
Dynamics and Control
Select 6 credit points of options
Project BEngSc
Robotics
Select 12 credit points of options

Software Engineering major

Year 1
Mathematical Modelling 1
Engineering Communication
Applications Programming
Business Requirements Modelling
Mathematical Modelling 2
Sensing, Actuation and Control
Systems Testing and Quality Management
Database Fundamentals

Year 2
Physical Modelling
Data Structures and Algorithms
Software Engineering Studio 1A
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Design and Innovation Fundamentals
Information System Development Methodologies
Software Engineering Studio 1B
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Year 3
Engineering Economics and Finance
Software Architecture
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Select 6 credit points of options
Project BEngSc
Select 6 credit points from the following:
- Technical subject choice (Software Engineering)

Select 12 credit points of options

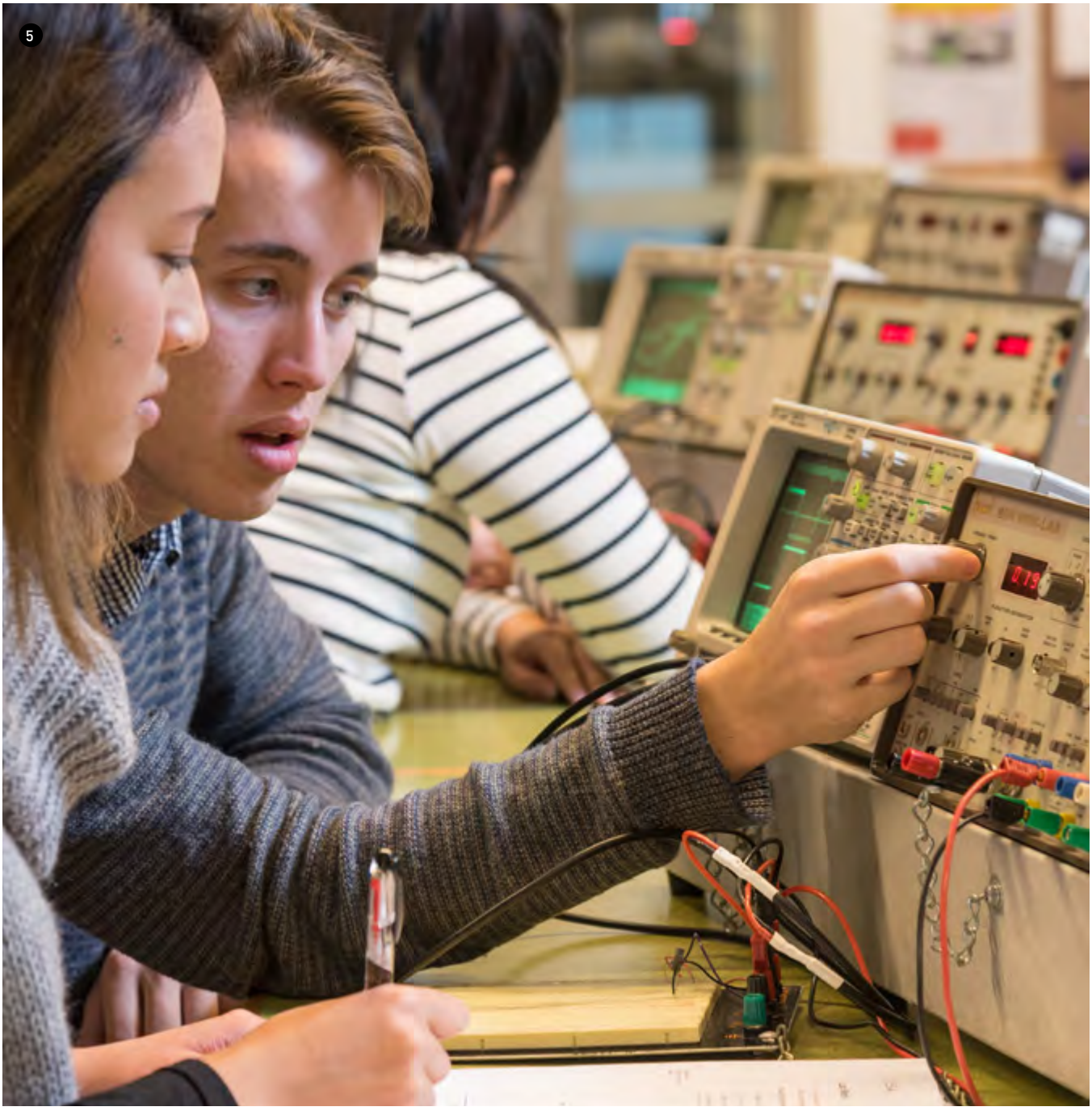
CAREER OPPORTUNITIES

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

* Elements of the course structure may change.

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09068	Bachelor of Engineering (Honours) Bachelor of Arts in International Studies Ⓦ	10	A$19,015	March	City	084089B
C09070	Bachelor of Engineering (Honours) Bachelor of Business Ⓦ	10	A$19,015	March	City	084091G
C09076	Bachelor of Engineering (Honours) Bachelor of Creative Intelligence and Innovation Ⓦ	10	A$19,015	March	City	084097B
C09074	Bachelor of Engineering (Honours) Bachelor of Medical Science Ⓦ	10	A$19,015	March	City	084095D
C09072	Bachelor of Engineering (Honours) Bachelor of Science Ⓦ	10	A$19,015	March	City	084093F
C10136	Bachelor of Engineering Science Bachelor of Laws	11	A$20,175	March	City	040713B



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 • health science • sport and exercise management • sport and exercise science • pathway to PHDPE teaching • pathway to physiotherapy • pathway to pharmacy

> **Join a top-ranked program.** UTS is ranked 4th for Nursing in the QS World University Subject Rankings 2017.

> **Gain a globally relevant education.** Immerse yourself in a proven mix of practice and theory that provides you with the skills and knowledge needed to work in a range of health care contexts.

> **Apply and refine your practical skills** in some of the most highly developed health facilities in the Southern Hemisphere. Our facilities include 16 state-of-the-art clinical practice labs with cutting edge technology and robotic patients; experience a huge range of real-life health scenarios in a no-risk environment.

> **Benefit from our industry partnerships and international acclaim.** Our courses are regularly updated to incorporate changes in industry and are supported by health districts, government, healthcare agencies and sport and fitness associations.

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

> **Acquire a global outlook on health through our international connections;** the UTS-based World Health Organisation (WHO) Collaborating Centre for Nursing, Midwifery and Health Development is the elect Secretariat of the Global Network and undertakes projects supporting WHO objectives.

> **Graduate with a set of employable attributes.** UTS: Health has worked with industry partners to ensure you graduate ready to excel in your chosen career.

IN 2016 UTS: HEALTH HAD:

3190	undergraduate coursework students
800	international undergraduate coursework students
5	students go overseas on global exchange

Photos: 1 3 4 Anna Zhu 2 Ansh Bose

4

DR TAMARA POWER

Director Health Simulation

"Nursing students need to embrace the idea early that they will be leading multidisciplinary teams almost as soon as they graduate, so they need to equip themselves with knowledge, emotional intelligence and a desire to never stop learning. Learning should be exciting and empowering and fun.

My favourite thing about being a lecturer is finding creative ways to teach difficult concepts. People remember things they learn while they're laughing."

SIMIN PENG, CHINA

Bachelor of Nursing

"I love studying at UTS because of the supportive staff. If you have any questions they are very approachable. Knowing that my faculty cares about me encourages me to work harder. The university also has great resources that help you to become more independent and responsible for your own study. A lot of the subject material is online, which gives you more time to prepare for your classes. I think this is especially useful for international students and encourages active learning."

Our nursing degrees involve more than

800 HOURS

of clinical placement, and sport and exercise courses involve

140 HOUR

internships.

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).

BACHELOR OF HEALTH SCIENCE Ⓦ

COURSE DESCRIPTION

The Bachelor of Health Science is a flexible and innovative degree that equips graduates with qualifications to help make a difference across diverse settings of health care provision.

The course is characterised by a strong emphasis on the social model of health, which can be combined with science content such as pharmacology or data analytics and information management. Students develop knowledge within a framework that can be tailored to suit their interests and needs. Some students may focus on learning how to use and interpret data to drive innovation and improvement in health systems. Alternatively, students may develop their knowledge of global health and international health priorities in order to contribute to overseas health initiatives and aid organisations. Other students may elect to focus on pharmacology, which can transition them to a degree in pharmacy and a career as a community, clinical or industrial pharmacist. Students who complete this course with the required electives and grade point average also meet current entry criteria for the Master of Physiotherapy (C04306).

Course code: C10360
CRICOS code: 088070C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$14,790 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Health care systems, social determinants of health, public health, health research, national health priorities, digital health, data analytics, health information management, global health, pharmacology.

MAJORS

Global health, digital health and analytics, pharmacology, no specified major.

COURSE STRUCTURE

No major

Year 1
Introduction to Health Care Systems
Introduction to Public Health
Interpersonal Communication
Psychosocial Perspectives in Health
Evidence in Health Care
Principles of Primary Health Care
Health Promotion and Advocacy
Fundamentals of Epidemiology and Population Health

Year 2
Communication and Technology
Data Science in Health Care
Social, Emotional and Psychological Wellbeing
Select 6 credit points from the following:
No specified major
Indigenous Health and Wellbeing
Arguments, Evidence and Intuition
Health Project and Program Management and Evaluation
Select 6 credit points from the following:
No specified major

Year 3
Select 24 credit points from the following:
No specified major
Diversity and Culture
Professional Placement
Select 12 credit points from the following:
No specified major

Global Health major

Year 1
Introduction to Health Care Systems
Psychosocial Perspectives in Health
Introduction to Public Health
Interpersonal Communication
Evidence in Health Care
Principles of Primary Health Care
Health Promotion and Advocacy
Fundamentals of Epidemiology and Population Health

Year 2
Communication and Technology
Data Science in Health Care
Social, Emotional and Psychological Wellbeing
Select 6 credit points from the following:
Electives (Global Health)
Indigenous Health and Wellbeing
Arguments, Evidence and Intuition
Health Project and Program Management and Evaluation
Global Human Rights and Health Equity

Year 3
Epidemiology and Global Population Health
Achieving Universal Health Coverage
Select 12 credit points from the following:
Electives (Global Health)
Diversity and Culture
Global, Sexual, Reproductive, Maternal and Child Health
The Environment, Health and Sustainability
Professional Placement

Digital Health and Analytics major

Year 1
Introduction to Health Care Systems
Psychosocial Perspectives in Health
Introduction to Public Health
Interpersonal Communication
Evidence in Health Care
Principles of Primary Health Care
Health Promotion and Advocacy
Fundamentals of Epidemiology and Population Health

Year 2
Communication and Technology
Data Science in Health Care
Social, Emotional and Psychological Wellbeing
Select 6 credit points from the following:
Electives (Digital Health and Analytics)
Indigenous Health and Wellbeing
Arguments, Evidence and Intuition
Health Project and Program Management and Evaluation
Foundations of Health Information Management

Year 3
Introduction to Digital Health
Health Analytics
Select 12 credit points from the following:
Electives (Digital Health and Analytics)
Professional Placement
Design and Evaluation in Digital Health
Advanced Health Analytics
Diversity and Culture

Pharmacology major

Year 1
Introduction to Health Care Systems
Psychosocial Perspectives in Health
Introduction to Public Health
Interpersonal Communication
Evidence in Health Care
Principles of Primary Health Care
Health Promotion and Advocacy
Fundamentals of Epidemiology and Population Health

Year 2
Communication and Technology
Social, Emotional and Psychological Wellbeing
Cell Biology and Genetics
Chemistry 1
Indigenous Health and Wellbeing
Arguments, Evidence and Intuition
Health Project and Program Management and Evaluation
Chemistry 2

Year 3
Select 6 credit points from the following:
Electives (Pharmacology)
Statistical Design and Analysis
Pharmacology 1
Metabolic Biochemistry
Pharmacology 2
Diversity and Culture
Human Anatomy and Physiology
Professional Placement

CAREER OPPORTUNITIES

Career options include positions across a broad range of areas in the health care sector including health promotion, advocacy, health education, e-health, health data and information management systems, planning and policy, project management and evaluation, community development, and research and consultancy across both public and private health sectors. Examples of workplaces include refugee health agencies, drug and alcohol agencies, youth networks, humanitarian organisations, Aboriginal health organisations, public or private hospitals, health research agencies, government and non-government health organisations, and aid organisations.

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 session. Learning technologies such as simulation, which is undertaken within faculty 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.

Course code: C10122
CRICOS code: 019877B
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$17,270 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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.

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

Standard

Year 1
Assessment and Therapeutics in Health Care 1
Health and Homeostasis 1
Human Life Course Development
Health and Society
Assessment and Therapeutics in Health Care 2
Health and Homeostasis 2
Professional Identity
Communication and Diversity

Year 2
Evidence for Nursing
Pathophysiology and Pharmacology 1
Contemporary Indigenous Health and Wellbeing
Pathophysiology and Pharmacology 2
Fundamentals of Mental Health Nursing
Nursing Care of the Older Person
Medical Surgical Nursing
Family and Children's Nursing

Year 3
Complex Nursing Care: Medical Surgical
Optimising Care in Chronic Conditions
Professional Accountability
Select 6 credit points from the following:
- Introduction to Specialty Practice: Aboriginal Community Engagement
- Introduction to Specialty Practice: Care of the Older Person
- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Child and Family Health Nursing
- Introduction to Specialty Practice: Global Health
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Perioperative Nursing
- Introduction to Specialty Practice: Reproductive, Maternal and Child Health
- Introduction to Specialty Practice: Substance Use Disorders
- Introduction to Specialty Practice: Women's Health

Integrated Nursing Practice
Complex Nursing Care: Mental Health
Navigating Transition
Leadership for Beginning Practice

Accelerated Graduate Entry

Year 1
Health and Homeostasis
Health Assessment and Nursing Therapeutics
Medical Surgical Nursing (Graduate Entry)
Evidence for Nursing
Health and Society
Pathophysiology and Pharmacology 1
Fundamentals of Mental Health Nursing (Graduate Entry)
Communication and Diversity
Pathophysiology and Pharmacology 2
Family and Children's Nursing
Nursing Care of the Older Person
Contemporary Indigenous Health and Wellbeing

Year 2
Complex Nursing Care: Medical Surgical
Optimising Care in Chronic Conditions
Professional Accountability
Select 6 credit points from the following:
- Introduction to Specialty Practice: Aboriginal Community Engagement
- Introduction to Specialty Practice: Care of the Older Person
- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Child and Family Health Nursing
- Introduction to Specialty Practice: Global Health
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Perioperative Nursing
- Introduction to Specialty Practice: Reproductive, Maternal and Child Health
- Introduction to Specialty Practice: Substance Use Disorders
- Introduction to Specialty Practice: Women's Health

Integrated Nursing Practice
Complex Nursing Care: Mental Health
Navigating Transition
Leadership for Beginning Practice

Accelerated Enrolled Nurse Entry

Year 1

Health and Society
Evidence for Nursing
Medical Surgical Nursing
Pathophysiology and Pharmacology 1
Family and Children's Nursing
Contemporary Indigenous Health and Wellbeing
Fundamentals of Mental Health Nursing
Pathophysiology and Pharmacology 2

Year 2

Complex Nursing Care: Medical Surgical
Optimising Care in Chronic Conditions
Professional Accountability
Select 6 credit points from the following:
- Introduction to Specialty Practice: Aboriginal Community Engagement
- Introduction to Specialty Practice: Care of the Older Person
- Introduction to Specialty Practice: Community Health Nursing
- Introduction to Specialty Practice: Critical Care Nursing
- Introduction to Specialty Practice: Child and Family Health Nursing
- Introduction to Specialty Practice: Global Health
- Introduction to Specialty Practice: Mental Health Nursing
- Introduction to Specialty Practice: Paediatric Nursing
- Introduction to Specialty Practice: Palliative Care
- Introduction to Specialty Practice: Perioperative Nursing
- Introduction to Specialty Practice: Reproductive, Maternal and Child Health
- Introduction to Specialty Practice: Substance Use Disorders
- Introduction to Specialty Practice: Women's Health

Integrated Nursing Practice
Complex Nursing Care: Caring for the Older Person
Navigating Transition
Leadership for Beginning Practice

PROFESSIONAL RECOGNITION

Provides eligibility to apply for registration as a Nurse with the 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.

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 within the past eight years are eligible to apply. The focus of the previous bachelor's degree should have a human physical/behavioural science base and should reflect the student's attainment of communication and academic writing skills. Applicants are assessed on an individual basis with successful applicants given advanced standing as block credit transfer equivalent to four subjects (24 credit points). Students who receive block credit of 24 credit points are not eligible for any further credit reduction against their course of study. This course can be completed in two years including two pre-session subjects in January/February and two summer subjects. Successful completion of the two pre-session subjects is required to progress into the Accelerated: Graduate Entry course.
- 606004 (Bachelor of Nursing Accelerated: Enrolled Nurse Certificate or Diploma Entry): applicants must have completed and commenced their studies in or after 2009 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-session 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 2016. Applicants who have completed a partial Bachelor of Nursing qualification at another institution should apply for 606000 or 606001 and also contact UTS: Health before January 2017 for program advice. Entry to the accelerated programs is competitive and each application is assessed individually. For 606000, 606001: applicants may apply for subject credit recognition on an individual basis. Faculty requirements are available for download (80.47kb PDF) at:

www.uts.edu.au/future-students/health/essential-information/credit-recognition

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 SPORT AND EXERCISE MANAGEMENT Ⓦ

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.

This course contains a mix of sport and exercise and business subjects. As the sport and exercise industry has undergone a period of substantial growth, the need for sport and exercise 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. Students who complete this course with the required electives and grade point average also meet current entry criteria for the Master of Physiotherapy.

Course code: C10301
CRICOS code: 080086D
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: Moore Park
Fees: A$14,790 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Sport and exercise, management.

COURSE STRUCTURE

Year 1
Structural Anatomy
Biomechanics of Human Motion
Managing People and Organisations
Sport and Society
Functional Anatomy
Strength and Conditioning
Accounting Skills for Managers
The Organisation of Australian Sport

Year 2
Exercise Physiology
Sport and Exercise Psychology
Research Methods for Sport and Exercise
Managing Professional Sport
Exercise Prescription
Nutrition for Health and Physical Activity
Marketing Foundations
Event Management

Year 3
Complex Exercise Management
Select 12 credit points of electives
Sport and Exercise Internship
Select 12 credit points of electives
Sport Marketing and Media
Law and Ethics for Managers

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 and physiotherapy (pathway).

BACHELOR OF SPORT AND EXERCISE SCIENCE Ⓦ

COURSE DESCRIPTION

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 (C04255) offered by UTS: Education. This course is formally accredited with the NSW Education Standards Authority (NESA) and provides HPE students with the opportunity to complete an undergraduate and postgraduate degree. Students who complete this course with the required electives and grade point average also meet current entry criteria for the Master of Physiotherapy.

Course code: C10300
CRICOS code: 080087C
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: Moore Park
Fees: A$14,790 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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 Internship
Complex Exercise Management
Select 12 credit points of electives
Applied Exercise Physiology
Skill Acquisition
Select 12 credit points of electives

PROFESSIONAL RECOGNITION

NSW Education Standards Authority (NESA) (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.

HONOURS DEGREES

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09018	Bachelor of Nursing (Honours)	2	A$17,270	March, July*	City	015936F
C09057	Bachelor of Sport and Exercise Science (Honours)	2	A$14,790	March	Moore Park	043289M

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10123	Bachelor of Nursing Bachelor of Arts in International Studies Ⓦ	10	A$17,270	March	City	026198M
C10351	Bachelor of Nursing Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	088063B
C10303	Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies Ⓦ	10	A$14,790	March	Moore Park	080085E
C10302	Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies Ⓦ	10	A$14,790	March	Moore Park	080084F
C10328	Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$14,790	March	Moore Park	079758A

* Mid-year intake considered on a case-by-case basis.

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

business information systems management • computer graphics and animation • computing science • data analytics • enterprise systems development • games development • interaction design • internetworking and applications • professional practice

- > **Join a top international program.** UTS ranked in the top 100 for Computer Science and Information Systems in the 2017 QS World University Subject Rankings.
- > **Learn the relevant skills employers want.** UTS: Information Technology is a leader in practice-based IT education in Australia. Our courses are regularly reviewed by our industry advisory committee, so our graduates are prepared for employment in the industry.
- > **Access state-of-the-art facilities and technologies.** Our new A$229 million environmentally sustainable building features a 3D data visualisation arena, specialist Cisco internetworking labs, Software Development Studio, and a Computer Graphics and Game Design lab.
- > **Build industry connections and gain real-world experience.** Undertake a year of work experience with the Diploma in IT Professional Practice.
- > **Fast-track your preparation for Cisco industry certification at UTS,** a Cisco Networking Academy.
- > **Connect with a creative environment in collaborative theatres and classrooms.** UTS: Information Technology graduates have worked on the Academy Award winning Happy Feet, as well as Avatar, King Kong and The Matrix.
- > **UTS is a leader in robotics and artificial intelligence education.** It is the first Australian university to have a PR2 second generation personal robot. This allows UTS and its research partners to explore new possibilities in social robotics and smart digital ecosystems.
- > **Improve your business, technical and teamwork skills,** and discover how to solve business problems using IT.

IN 2016 UTS: ENGINEERING & IT HAD:

6260	undergraduate coursework students
1330	international undergraduate coursework students
55	students go overseas on global exchange

Scholarship opportunities

The Information Technology International Undergraduate Excellence Scholarships are valued at AU$5000. The scholarships are offered to international students who meet the eligibility criteria and are commencing either the Bachelor of Science in Information Technology or the Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice.

For further information visit **www.uts.edu.au/scholarships**

Photos: 1 5 Anna Zhu 2 Chris Bennett Photography 3 Andrew Worssam 4 Chris Shain

4

VITALY KUZENKOV, RUSSIA

Bachelor of Science in Information Technology and Diploma in Information Technology Professional Practice

"I've gained so many skills during my studies at UTS. I have developed new technical skills, and programming, networking and IT skills. Through the subject Communications for IT Professionals my verbal and written communication skills improved greatly.

It's extremely important to be able to work in teams and here at UTS we have a lot of group assignments so you need to cooperate with people and work in a team. Group work also requires leadership in order to organise the group, so I have actually developed my leadership skills too. Also, I've developed problem solving skills and analytical skills to critically analyse information. These are all team management skills which will help you succeed. "

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."

The renewable energy generated on the roof of the FEIT building is enough to power **20%** of its energy requirements

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).

BACHELOR OF COMPUTING SCIENCE (HONOURS)

COURSE DESCRIPTION

This course offers a sound education in all aspects of computing science and information technology. It is intended for students who aspire to become researchers or who want a career in a more scientific-oriented computing area. As such it provides a pathway to postgraduate research study.

This course adopts a practice-based approach to computing science education and the course content is a mix of theory and practice with a stronger focus on the mathematics appropriate for computing science and research projects. As well as gaining strong technical skills in computing science and IT, students gain skills in problem solving, teamwork and communication. Students undertake research projects with UTS researchers. Employers look for graduates with strong computing science skills and, in this course, students are exposed to real research problems in computing science and IT.

UTS: Information Technology continues to support part-time study and some subjects can be taken in the evening as well as during the day.

Course code: C09119
CRICOS code: 092896D
Course duration: 4 years
Number of credit points: 192
Intake: March, July
Location: City
Fees: A$19,375 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Business information systems management, data analytics and artificial intelligence, enterprise systems development, interaction design, internetworking and applications, mathematical analysis, operations research, statistics.

MAJORS

Business information systems management, enterprise systems development, internetworking and applications, data analytics and artificial intelligence, interaction design, mathematical analysis, operations research, statistics.

COURSE STRUCTURE

Interaction Design major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Statistics
Introduction to Information Systems
Select 6 credit points of options
Introduction to Mathematical Analysis and Modelling
Discrete Mathematics
Business Requirements Modelling
Database Fundamentals

Year 2
Select one of the following:
- Networking Essentials
- Strategic e-Business Technologies

Web Systems
Applications Programming
Computing Science Studio 1
Theory of Computing Science
Fundamentals of Interaction Design
Interactive Media
Advanced Interaction Design

Year 3
Principles of Programming Languages
Prototyping Physical Interaction
Data Structures and Algorithms
Computing Science Studio 2
Technology Research Preparation
Interaction Design Studio
Select 6 credit points of options

Year 4
Technology Research Methods
Project Management and the Professional
Select 6 credit points from the following:
- Human-centred Design Methods
- Introduction to Computer Game Design
- Introduction to Computer Game Programming
- Introduction to Data Analytics
- Application Development in the iOS Environment
- Application Development with .NET
- Mobile Applications Development
- Programming on the Internet

Select 6 credit points of options
Honours Project
Select 6 credit points from the following:
- Human-centred Design Methods
- Introduction to Computer Game Design
- Introduction to Computer Game Programming
- Introduction to Data Analytics
- Application Development in the iOS Environment
- Application Development with .NET
- Mobile Applications Development
- Programming on the Internet

Select 6 credit points of options

Business Information Systems Management major

Year 1
- Introduction to Linear Dynamical Systems
- Introduction to Statistics
- Introduction to Information Systems
- Select 6 credit points of options
- Introduction to Mathematical Analysis and Modelling
- Discrete Mathematics
- Business Requirements Modelling
- Database Fundamentals

Year 2
- Select one of the following:
  - Networking Essentials
  - Strategic e-Business Technologies
- Web Systems
- Applications Programming
- Computing Science Studio 1
- Theory of Computing Science
- Collaborative Business Processes
- Information System Development Methodologies
- Finance and IT Professionals

Year 3
- Principles of Programming Languages
- Innovations for Global Relationship Management
- Data Structures and Algorithms
- Computing Science Studio 2
- Technology Research Preparation
- Networked Enterprise Architecture
- Strategic IT Project
- Select 6 credit points of options

Year 4
- Technology Research Methods
- Project Management and the Professional
- Business Process and IT Strategy
- Select 6 credit points of options
- Honours Project
- Select 6 credit points from the following:
  - Systems Testing and Quality Management
  - IT Operations Management
  - Entrepreneurship and Commercialisation
- Select 6 credit points of options

Internetworking and Applications major

Year 1
- Introduction to Linear Dynamical Systems
- Introduction to Statistics
- Introduction to Information Systems
- Select 6 credit points of options
- Introduction to Mathematical Analysis and Modelling
- Discrete Mathematics
- Business Requirements Modelling
- Database Fundamentals

Year 2
- Select one of the following:
  - Networking Essentials
  - Strategic e-Business Technologies
- Web Systems
- Applications Programming
- Computing Science Studio 1
- Theory of Computing Science
- Routing and Internetworks
- Fundamentals of Security
- Web Services Development

Year 3
- Principles of Programming Languages
- Mobile Networking
- Data Structures and Algorithms
- Computing Science Studio 2
- Technology Research Preparation
- Network Design
- Internetworking Project
- Select 6 credit points of options

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

Enterprise Systems Development major

Year 1
- Introduction to Linear Dynamical Systems
- Introduction to Statistics
- Introduction to Information Systems
- Select 6 credit points of options
- Introduction to Mathematical Analysis and Modelling
- Discrete Mathematics
- Business Requirements Modelling
- Database Fundamentals

Year 2
- Select one of the following:
  - Networking Essentials
  - Strategic e-Business Technologies
- Web Systems
- Applications Programming
- Computing Science Studio 1
- Theory of Computing Science
- Fundamentals of Interaction Design
- Select 12 credit points from the following:
  - Web Services Development
  - Database Programming
  - Software Architecture
  - Enterprise Development with .NET
  - Advanced Interaction Design
  - Application Development with .NET
  - Object-relational Databases
  - Cloud Computing and Software as a Service
  - Advanced Internet Programming
  - Application Development in the iOS Environment
  - Mobile Applications Development
  - Fundamentals of Interaction Design

Year 3
- Data Structures and Algorithms
- Computing Science Studio 2
- Principles of Programming Languages
- Software Engineering Practice
- Systems Development Project
- Select 6 credit points of options
- Technology Research Preparation

Year 4
- Technology Research Methods
- Select 6 credit points of options
- Select 6 credit points from the following:
  - Web Services Development
  - Database Programming
  - Software Architecture
  - Enterprise Development with .NET
  - Advanced Interaction Design
  - Application Development with .NET
  - Object-relational Databases
  - Cloud Computing and Software as a Service
  - Advanced Internet Programming
  - Application Development in the iOS Environment
  - Mobile Applications Development
  - Fundamentals of Interaction Design
- Project Management and the Professional
- Select 6 credit points from the following:
  - Web Services Development
  - Database Programming
  - Software Architecture
  - Enterprise Development with .NET
  - Advanced Interaction Design
  - Application Development with .NET
  - Object-relational Databases
  - Cloud Computing and Software as a Service
  - Advanced Internet Programming
  - Application Development in the iOS Environment
  - Mobile Applications Development
  - Fundamentals of Interaction Design
- Select 6 credit points of options
- Honours Project

Mathematical Analysis major

Year 1
- Introduction to Linear Dynamical Systems
- Introduction to Statistics
- Introduction to Information Systems
- Select 6 credit points of options
- Introduction to Mathematical Analysis and Modelling
- Discrete Mathematics
- Business Requirements Modelling
- Database Fundamentals

Year 2
- Select one of the following:
  - Networking Essentials
  - Strategic e-Business Technologies
- Web Systems
- Applications Programming
- Computing Science Studio 1
- Theory of Computing Science
- Linear Algebra
- Probability and Random Variables
- Regression Analysis

Year 3
- Principles of Programming Languages
- Simulation Modelling
- Data Structures and Algorithms
- Computing Science Studio 2
- Technology Research Preparation
- Differential Equations
- Stochastic Processes
- Select 6 credit points of options

Year 4
- Technology Research Methods
- Project Management and the Professional
- Advanced Calculus
- Select 6 credit points of options
- Honours Project
- Modern Analysis with Applications
- Select 6 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).

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 and Artificial Intelligence major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Statistics
Introduction to Information Systems
Select 6 credit points of options
Introduction to Mathematical Analysis and Modelling
Discrete Mathematics
Business Requirements Modelling
Database Fundamentals

Year 2
Select one of the following:
- Networking Essentials
- Strategic e-Business Technologies

Web Systems
Applications Programming
Computing Science Studio 1
Theory of Computing Science
Introduction to Data Analytics
Select 12 credit points from the following:
- Database Programming
- Image Processing and Pattern Recognition
- Advanced Data Analytics
- Object-relational Databases
- Data Visualisation and Visual Analytics
- Quantum Computing
- Data Driven and Intelligent Robotics

Year 3
Principles of Programming Languages
Analytics Capstone Project
Data Structures and Algorithms
Computing Science Studio 2
Technology Research Preparation
Select 12 credit points from the following:
- Database Programming
- Image Processing and Pattern Recognition
- Advanced Data Analytics
- Object-relational Databases
- Data Visualisation and Visual Analytics
- Quantum Computing
- Data Driven and Intelligent Robotics

Select 6 credit points of options

Year 4
Technology Research Methods
Project Management and the Professional
Select 6 credit points from the following:
- Database Programming
- Image Processing and Pattern Recognition
- Advanced Data Analytics
- Object-relational Databases
- Data Visualisation and Visual Analytics
- Quantum Computing
- Data Driven and Intelligent Robotics

Select 6 credit points of options
Honours Project
Select 6 credit points from the following:
- Database Programming
- Image Processing and Pattern Recognition
- Advanced Data Analytics
- Object-relational Databases
- Data Visualisation and Visual Analytics
- Quantum Computing
- Data Driven and Intelligent Robotics

Select 6 credit points of options

Operations Research major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Statistics
Introduction to Information Systems
Select 6 credit points of options
Introduction to Mathematical Analysis and Modelling
Discrete Mathematics
Business Requirements Modelling
Database Fundamentals

Year 2
Select one of the following:
- Networking Essentials
- Strategic e-Business Technologies

Web Systems
Applications Programming
Computing Science Studio 1
Theory of Computing Science
Linear Algebra
Probability and Random Variables
Regression Analysis

Year 3
Principles of Programming Languages
Optimisation in Quantitative Management
Data Structures and Algorithms
Computing Science Studio 2
Technology Research Preparation
Nonlinear Methods in Quantitative Management
Network and Combinatorial Optimisation
Select 6 credit points of options

Year 4
Technology Research Methods
Project Management and the Professional
Select 6 credit points from the following:
- Quantitative Management Practice
- Simulation Modelling

Select 6 credit points of options
Honours Project
Select 6 credit points from the following:
- Stochastic Processes
- Honours Seminar 1

Select 6 credit points of options

Statistics major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Statistics
Introduction to Information Systems
Select 6 credit points of options
Introduction to Mathematical Analysis and Modelling
Discrete Mathematics
Business Requirements Modelling
Database Fundamentals

Year 2
Select one of the following:
- Networking Essentials
- Strategic e-Business Technologies

Web Systems
Applications Programming
Computing Science Studio 1
Theory of Computing Science
Linear Algebra
Probability and Random Variables
Regression Analysis

Year 3
Principles of Programming Languages
Optimisation in Quantitative Management
Data Structures and Algorithms
Computing Science Studio 2
Technology Research Preparation
Sample Surveys
Advanced Statistical Modelling
Select 6 credit points of options

Year 4
Technology Research Methods
Project Management and the Professional
Select 6 credit points from the following:
- Design and Analysis of Experiments
- Programming for Data Analysis
- Advanced Bayesian Methods

Select 6 credit points of options
Honours Project
Multivariate Data Analysis
Select 6 credit points of options

PROFESSIONAL RECOGNITION

The Faculty of Engineering and Information Technology is seeking accreditation from the Australian Computer Society.

CAREER OPPORTUNITIES

Career options include software developer, systems analyst, data scientist or professional computing science researcher.

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.

Course code: C10229
CRICOS code: 057197M
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$19,375 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Computing and IT fundamentals, graphics, game design, animation, software engineering and systems development.

SUB-MAJORS

Business information systems management, data analytics, enterprise systems development, interaction design, 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, network security, physics, quantitative management, scientific computing, specialist country studies, statistical modelling.

COURSE STRUCTURE

Year 1
Web Systems
Communication for IT Professionals
Introduction to Information Systems
Programming Fundamentals
Business Requirements Modelling
Applications Programming
Networking Essentials
Interactive Media

Year 2
Introduction to Computer Graphics
Database Fundamentals
Introduction to Computer Game Design
Select 6 credit points of electives
Select 6 credit points from the following:
- Computer Graphics Rendering Techniques
- Introduction to Computer Game Programming
- Programming for Special Effects

Select 18 credit points of electives

Year 3
Project Management and the Professional
Game Design Studio 1
Select 6 credit points from the following:
- 3D Computer Animation
- Data Structures and Algorithms
- Advanced Interaction Design

Select 6 credit points of electives
Game Design Studio 2
Select 18 credit points of electives

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.

UTS: Information Technology continues to support part-time study and some subjects can be taken in the evening as well as during the day.

Course code: C10148
CRICOS code: 040941A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$19,375 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Business information systems management, data analytics, enterprise systems development, interaction design, internetworking and applications.

MAJORS

Business information systems management, data analytics, enterprise systems development, interaction design, internetworking and applications.

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, interaction design, international management, international studies, introductory economics, introductory finance, language other than English (LOTE), marketing principles, physics, quantitative management, scientific computing, specialist country studies, statistical modelling.

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 Professionals
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

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
Introduction to Linear Dynamical Systems
Introduction to Statistics
Select 12 credit points from the following:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

Select 12 credit points of options

Year 3
Project Management and the Professional
Analytics Capstone Project
Select 6 credit points from the following:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

Select 6 credit points of options
Select 6 credit points from the following:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

Select 18 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 electives

Year 2
Database Fundamentals
Data Structures and Algorithms
Fundamentals of Interaction 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
- Advanced Interaction Design
- 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
- Application Development with .NET
- Object-relational Databases
- Advanced Internet Programming
- Mobile Applications Development
- Application Development in the iOS Environment

Select 18 credit points of electives

Interaction Design major

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

Year 2
Database Fundamentals
Advanced Interaction Design
Select 12 credit points of options
Interactive Media
Prototyping Physical Interaction
Select 12 credit points of options

Year 3
Project Management and the Professional
Interaction Design Studio
Select 6 credit points of options
Select 12 credit points from the following:
- Human-centred Design Methods
- Introduction to Computer Game Design
- Introduction to Computer Game Programming
- Introduction to Data Analytics
- Application Development in the iOS Environment
- Application Development with .NET
- Mobile Applications Development
- Programming on the Internet

Select 12 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 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
- Internet of Things

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.

UTS: Information Technology continues to support part-time study with some subjects offered in the evening as well as during the day.

Course code: C10345
CRICOS code: 084259M
Course duration: 4 years
Number of credit points: 192
Intake: March, July
Location: City
Fees: A$19,375 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Business information systems management, data analytics, enterprise systems development, interaction design, internetworking and applications.

MAJORS

Business information systems management, data analytics, enterprise systems development, interaction design, internetworking and applications.

SUB-MAJORS

Business information systems management, computer graphics and animation, data analytics, enterprise systems development, interaction design, internetworking and applications, accounting for small business, advertising principles, business accounting, electronics and computer interfacing, employment relations, innovation, interaction design, international management, international studies, introductory economics, introductory finance, language other than English, marketing principles, physics, quantitative management, scientific computing, specialist country studies, statistical modelling.

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 Professionals
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

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 options

Year 2
Database Fundamentals
Introduction to Data Analytics
Introduction to Linear Dynamical Systems
Introduction to Statistics
Select 12 credit points from the following:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

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:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

Select 6 credit points of options
Select 6 credit points from the following:
- Advanced Data Analytics
- Object-relational Databases
- Image Processing and Pattern Recognition
- Database Programming
- e-Business Trading
- Data Visualisation and Visual Analytics
- Analytics Capstone Project B
- Social and Information Network Analysis

Select 18 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
Fundamentals of Interaction 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
- Advanced Interaction Design
- 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
- Application Development with .NET
- Application Development in the iOS Environment
- Software Architecture

Select 18 credit points of options

Interaction Design major

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

Year 2
Database Fundamentals
Advanced Interaction Design
Select 12 credit points of options
Interactive Media
Prototyping Physical Interaction
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
Interaction Design Studio
Select 6 credit points of options
Select 12 credit points from the following:
- Human-centred Design Methods
- Introduction to Computer Game Design
- Introduction to Computer Game Programming
- Introduction to Data Analytics
- Application Development in the iOS Environment
- Application Development with .NET
- Mobile Applications Development
- Programming on the Internet

Select 12 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
- Internet of Things

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.

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.

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09019	Bachelor of Science (Honours) in Information Technology	2	A$19,375	March, July	City	046619G

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10219	Bachelor of Business Bachelor of Science in Information Technology	8	A$19,375	March	City	047835B
C10239	Bachelor of Science in Information Technology Bachelor of Arts in International Studies	10	A$19,375	March	City	059726G
C10327	Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$19,375	March	City	079757B
C10245	Bachelor of Science in Information Technology Bachelor of Laws	10	A$20,175	March	City	064382G

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: INTERNATIONAL STUDIES

International Studies plays a key role in the internationalisation of the UTS teaching and learning experience across the university.

Choose **International Studies** to:

> **Combine the study of a country and 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.

> **Gain a global perspective,** international awareness and intercultural competence, and a country speciality, valued by employers in the global workplace.

Choose **Global Studies** to:

> **Think outside the box** and gain the confidence to take your career to the world.

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

> **Examine processes of globalisation:** political, economic and cultural, and learn about institutions and theories involved in the area of your major.

> **Gain real-world experience** by completing a self-sourced industry placement within a globally oriented organisation. Support is available from the school of International Studies if a student cannot secure a placement.

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

IN 2016 UTS: ARTS AND SOCIAL SCIENCES HAD:

3810	undergraduate coursework students
260	international undergraduate coursework students
190	students go overseas for In-Country Study

Photos: 1 3 Shutterstock 2 4 5 Provided by student

4

VADIMS BRODSKIS, LATVIA

Bachelor of Information Technology
Bachelor of International Studies

"When I was looking at universities in Sydney, UTS was one of the only ones which offered a double degree of IT and International studies majoring in Japanese.

My exchange year in Japan was amazing. I would recommend it to every student who comes; if you can go overseas for exchange it will open up your horizons. I wouldn't say I was a close-minded person but I didn't really have much of an idea about other cultures aside from my own Latvia-Russian culture and Australia. Going to Japan and living there for one year was a truly phenomenal experience. Now I'm confident that if I go there again for work, traveling or for study, I know what I need to do, I know how to get it done."

Study at
1 OF OUR 70
partner universities in
14 countries.

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).

BACHELOR OF GLOBAL STUDIES Ⓦ

COURSE DESCRIPTION

The UTS Bachelor of Global Studies is a highly versatile, professionally oriented arts degree that takes globalisation in its political, economic and cultural manifestations as its core subject of inquiry. Students draw connections between global phenomena and concrete local practices in work and life, seeing the opportunities and constraints that exist for different groups of people. The course engages students in complex problem solving regarding global processes and events.

Students select a major in business, management, communications, health or legal studies and integrate the perspectives and skills from their professional major into their core subjects. Students may choose to study overseas on session-long exchange or short-term work and/or study placements, or to learn another language. Students undertake either a domestic or international work placement.

Course code: C10264
CRICOS code: 063940A
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$15,320 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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

Political, economic and cultural aspects of processes, institutions and theories of globalisation. Sub-major options in language other than English, specialist country studies, or international exchange.

MAJORS

Business studies, health, communication, legal studies, management 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

Year 1	Year 2	Year 3
Globalisation in Historical Perspective	Global Governance	Global Problem Solving
Select 18 credit points of options	Select 18 credit points of options	Select 18 credit points of options
Contemporary Global Economy	Select 24 credit points of options	Global Work Project
Cultures of Globalisation		Select 18 credit points of options
Select 12 credit points of options		

Typical full-time program with exchange session

Year 1	Year 2	Year 3
Globalisation in Historical Perspective	Global Governance	Global Problem Solving
Select 18 credit points of options	Select 18 credit points of options	Select 18 credit points of options
Contemporary Global Economy	Exchange electives	Global Work Project
Cultures of Globalisation		Select 18 credit points of options
Select 12 credit points of options		

CAREER OPPORTUNITIES

Career options include roles in a number of globally oriented workplaces that include government and non-government organisations as well as a variety of companies, ranging from small start-ups to major multinationals. Career options are often based on the choice of major within the degree. Graduates have roles as marketing coordinators, brand strategists, business managers and paralegals. Graduates have also worked in industries including finance, hospitality, tourism, digital media and the not-for-profit sector.

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; Information Technology; Law; Nursing; 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 132

English language requirements: See page 133

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.

5

UTS: LAW

business law • communication law • creative intelligence and innovation law • economics law• engineering law • information technology law • international studies law • law • forensics law • medical science law • science law

> **Join a top-ranked program.** UTS is ranked 43rd for Law in the QS World University Subject Rankings 2017.

> **Gain an internationally recognised, practical and professionally relevant legal 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 75 days practical experience in a legal environment** with the Practical Legal Training (PLT) option. UTS is the only university in Sydney to offer an accredited PLT Program.*

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

> **Build up your professional skills and work experience** through a local or international internship. Students have the opportunity to intern at Redfern Legal Centre's International Student Clinic for a session of immersive, practice-oriented learning.

> **Improve your study skills** with comprehensive mentoring programs, designed to support the needs of international law students.

> **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 and assess mastery with authentic assessment tasks to prepare you to thrive and succeed in your future professional career.

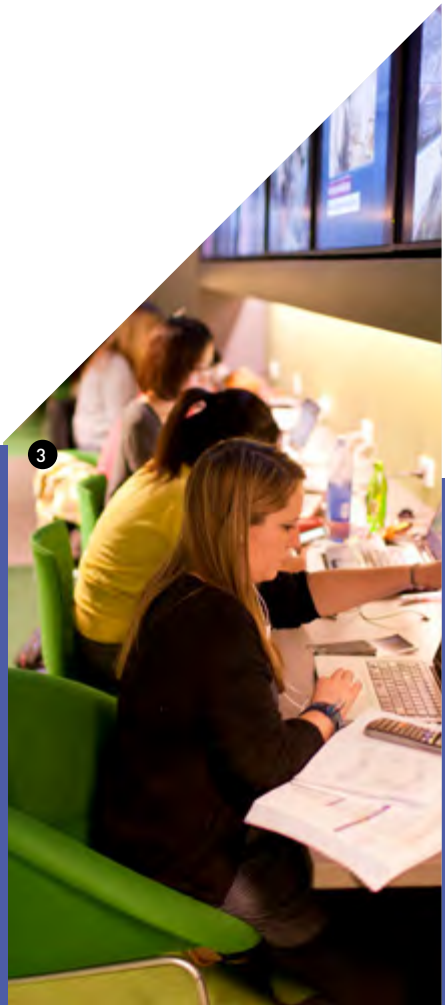
> **Connect with your peers.** Join our active Law Students' Society, which holds social events and runs legal competitions like mooting, witness examination and client interviewing.

IN 2016 UTS: LAW HAD:

1715	undergraduate coursework students
12	international undergraduate coursework students
15	students go overseas on global exchange

* UTS's PLT Program is accredited with the NSW LPAB (Legal Profession Admission Board)

Photos: 1 Bose Photography 2 Supplied by faculty 3 4 5 Anna Zhu 6 FJ Gaylor



SAMANTHA LOW, MALAYSIA

Bachelor of Laws Bachelor of Business

"I chose UTS because it's got a reputation for being really innovative, which I found really interesting. Law is seen as very traditional, so I was very interested to see how UTS was going to change that and challenge the way we think about law.

I definitely think the structure of UTS suits me, with its practical approach to learning. The types of assignments we do are collaborative, and there's a good balance of lectures and tutorials. I was involved in both my faculty societies: Law Students' Society and The Business Society. I participated in a couple of competitions with Law Students' Society, such as negotiations. That was fun, but also quite valuable for your resume and just getting the law experience before you're in the workforce.

I think because it's such a practical degree, we do get a lot of opportunities to develop our skills such as public speaking and group work. These skills have definitely helped me feel career-ready."

HEMANT VIJAYKUMAR, AUSTRALIA

Bachelor of Laws
Bachelor of Medical Science

"Completing my research thesis was an achievement that was most rewarding during my time at UTS. I researched patent law in India and critically analysed a decision the Supreme Court controversially held in India. It was an area that I wanted to learn more about and being supervised by a leader in the profession aided that passion. At the end I was invited to present my thesis at the National Honours Conference at UTS.

Studying both medical science and law, I would love to be in-house counsel for a company in the pharmaceutical and medical device industry."

OVER 1850

UTS: Law students participate in the Brennan Justice and Leadership program

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).

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.

Course code: C10124
CRICOS code: 013614G
Course duration: 4 years
Number of credit points: 192
Intake: March, July
Location: City
Fees: A$20,175 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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, public international law, remedies.

COURSE STRUCTURE

Year 1
Foundations of Law
Ethics Law and Justice
Criminal Law and Procedure
Contracts
Torts
Australian Constitutional Law

Year 2
Real Property
Civil Practice
Commercial Law
Remedies
Equity and Trusts
Administrative Law
Evidence

Year 3
Public International Law
Select 18 credit points from the following:
- Options (Law UG)

Corporate Law
Select 6 credit points from the following:
- Jurisprudence
- Animal Law and Policy in Australia
- Judgment and the Rule of Law
- Gender, Law and Sexuality
- Law and Literature
- Wickedness and Vice

Select 12 credit points from the following:
- Options (Law UG)

Year 4
Select 24 credit points from the following:
- Options

Practical Experience
Transactional Practice
Legal and Professional Skills
Litigation and Estate Practice
Select 6 credit points from the following:
- Options

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 or at the completion of the course. Check with the Legal Profession Admission Board (LPAB) for time constraints.

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 with the Attorney-General's Department.

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10125	Bachelor of Business Bachelor of Laws	10	A$20,175	March, July	City	008756B
C10378	Bachelor of Communication (Creative Writing) Bachelor of Laws	10	A$20,175	March, July	City	087782A
C10379	Bachelor of Communication (Digital and Social Media) Bachelor of Laws	10	A$20,175	March, July	City	087783M
C10380	Bachelor of Communication (Journalism) Bachelor of Laws Ⓦ	10	A$20,175	March, July	City	087786G
C10381	Bachelor of Communication (Media Arts and Production) Bachelor of Laws	10	A$20,175	March, July	City	087787G
C10382	Bachelor of Communication (Public Communication) Bachelor of Laws	10	A$20,175	March, July	City	087788F
C10383	Bachelor of Communication (Social and Political Sciences) Bachelor of Laws Ⓦ	10	A$20,175	March, July	City	087789E
C10386	Bachelor of Economics Bachelor of Laws	10	A$20,175	March, July	City	092380K
C10136	Bachelor of Engineering Science Bachelor of Laws	11	A$20,175	March, July	City	040713B
C10391	Bachelor of Forensic Science Bachelor of Laws	10	A$20,175	March, July	City	092384F
C10129	Bachelor of Laws Bachelor of Arts in International Studies	10	A$20,175	March	City	026195C
C10338	Bachelor of Laws Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$20,175	March	City	079765B
C10131	Bachelor of Medical Science Bachelor of Laws	10	A$20,175	March, July	City	025797G
C10126	Bachelor of Science Bachelor of Laws	10	A$20,175	March, July	City	009473E
C10245	Bachelor of Science in Information Technology Bachelor of Laws	10	A$20,175	March, July	City	064382G

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: SCIENCE

advanced science • analytics • advanced materials and data science • applied chemistry • applied physics • biomedical physics • biomedical science • biotechnology • Chinese medicine • environmental biology • environmental sciences • forensic science • infection and immunity • marine biology • mathematics • medical science • medicinal chemistry • nanotechnology • pre-medicine • statistics • science

> **Gain a globally recognised, practical and professionally relevant qualification** to enhance your employability. Our courses are relevant, research-driven and practical. Courses are combined with scientific knowhow and professional skills to equip our graduates for the best employment opportunities.

> **Learn from research-active lecturers and internationally recognised academics.** Professor Dayong Jin is recognised as a world leader and was awarded the 2017 John Booker medal by the Australian Academy of Science, and also won the 2015 Eureka Award for Excellence in Interdisciplinary Scientific Research for his group's invention Super Dots®.

> **Develop global work-ready skills.** Graduate attributes are embedded in all science and mathematics subjects, preparing you for the global work force.

> **Study in modern, world-class facilities.** Our facilities are modern, well-equipped and fitted with modern scientific and analytical instruments to facilitate learning and research. Our off-campus learning sites facilitate fieldwork for marine and environmental studies. Computer laboratories offer 24/7 access and are powered up with the latest mathematical and statistical software.

> **Learn in the UTS Super Lab, the first of its kind in Australia.** It is a multidisciplinary laboratory that can run up to 12 different classes at the same time for over 200 students. Students can be running experiments across different areas of sciences such as physics, chemistry and biology, giving them a 'sneak-peek' into subjects that can potentially be taken in the next session, or even as an elective.

IN 2016 UTS: SCIENCE HAD:

3660	undergraduate coursework students
240	international undergraduate coursework students
10	students go overseas on global exchange

> **Engage with industry and access experienced lecturers.** Our lecturers are also experts and leaders in their discipline with strong industry connections. Students will also have opportunities to network with potential employers and industry partners through guest lectures and careers forums.

Photos: 1 2 5 Anna Zhu 3 4 Shutterstock

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GIOVANNI MELLISA SOESANTO, INDONESIA

Bachelor of Medical Science
Bachelor of Business

"I chose this course as it offers two degrees in four years and the opportunity to work in both fields, plus both Science and Business are two of my favourite study areas!

UTS has a revitalised campus with new buildings and facilities. But the best part is that we get to do lots of hands-on practical experiments in labs. The facilities are modern and well-equipped, and we also get great support from senior students when we need it."

DR OLGA SHIMONI

Chancellor's Postdoctoral Research Fellow & Senior Lecturer, School of Mathematical and Physical Sciences

"UTS: Science is a vibrant and dynamic faculty that have invested in its research facilities, including one of the best STEM facilities, nanophotonics research labs, state-of-the-art chemical and biological facilities. The technologies that I'm currently developing in my lab will help to shed light on the causes and progression of ageing-related disorders. Specifically, I am developing nanostructures, whose medical effects are superior to those that are realised from any simple individual components. In particular, nanostructures will be based on the combination of nanoparticles with different physical/chemical properties to create a one multifunctional unit that will enable simultaneous drug delivery, bioimaging, biosensing and treatment."

UTS has
1 OF 10 SUPER LABS
in the 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).

BACHELOR OF ADVANCED SCIENCE

COURSE DESCRIPTION

The Bachelor of Advanced Science is designed specifically to develop student learning using an inquiry-oriented and research-immersion model. Students engage in a number of research project subjects based on their chosen major, which include advanced materials and data science; environmental biotechnology; infection and immunity; and pre-medicine. Students 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.

Course code: C10347
CRICOS code: 084270E
Course duration: 3 years
Number of credit points: 144
Intake: March, July*
Location: City
Fees: A$18,280 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

- **Advanced Materials and Data Science major**: Modern civilisation depends upon natural and fabricated materials such as metals, textiles and materials for electronic components and devices. The next generation of advanced materials is key to solving many of society's needs, such as clean energy from solar cells, water purification, and materials that support health and security technologies. This major covers the three skills and knowledge areas essential for participating in this important technology space: the properties and development of materials; how to measure and test these properties using various experimental techniques; and how to design new materials using computer simulations. Data science is a new and exciting area of knowledge that is revolutionising materials science in how researchers conduct their work, and analyse the properties of materials and trends in their data to discover new materials and applications.
  * Mid-year intake may be considered on a case-by-case basis.
- **Environmental Biotechnology major**: Humans are in a constant battle with microbes, both medically and environmentally. This major focuses on understanding how to manage microbes that impact upon the environments that we depend upon (including bioremediation, mine waste management), as well as using microbes to solve problems that can lead to commercial end products such as biofuels, pharmaceuticals, nutraceuticals or agricultural feedstocks. The diversity of microbes with novel traits is immense; a new style of scientist with a specialist background is needed to bioprospect these habitats and identify which microbes can be used to solve environmental challenges. This major focuses on industrial applications of environmental biotechnology. Students develop advanced skills in bioinfomatics, microbial ecology, as well as the fundamental sciences to prepare them for an exciting career in the ever expanding field of biotechnology, having a specific focus on environmental applications and solutions to the changing globe.
  * Mid-year intake may be considered on a case-by-case basis.
- **Infection and Immunity major**: Now and in the future, one of the biggest global threats to human health and that of the environment is antibiotic resistance. That is, the resistance of micro-organisms to drugs that are used to treat serious infections, rendering these drugs ineffective. This major provides students with the skills and expertise to enable them to participate in the effort to address this urgent health problem. Students learn how micro-organisms cause infections, how the host prevents and responds to infection, and how to understand processes both in the microbe and the host that can be targeted in clinical applications for the diagnosis, treatment and protection against microbial infection. Students gain advanced experimental, analytical and computational skills in areas such as drug discovery, development of vaccines, drug synthesis, human immunology and antibiotic resistance. Students explore innovative ways to tackle the antibiotic resistance problem.
  * Mid-year intake may be considered on a case-by-case basis.
- **Pre-Medicine major**: This major is distinguished by its strong focus on core topics where in the second and third years of study have a stronger coursework focus. Students are introduced to practices and theory that underlie both medical research and the health professions. The aim is 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

Advanced materials and data science, environmental biotechnology, infection and immunity, pre-medicine.

COURSE STRUCTURE

Infection and Immunity major

Year 1
Chemistry 1
Physical Aspects of Nature
Cell Biology and Genetics
Quantitative Skills for Science
Chemistry 2 (Advanced)
Molecular Biology 1
Human Anatomy and Physiology
Research Methods

Year 2
General Microbiology
Pharmacology 1
Select 6 credit points of electives
Advanced Research Project 1
Drug Discovery
Immunology 1
Select 6 credit points of electives
Advanced Research Project 2

Year 3
Select 12 credit points from the following:
- Immunology 2
- 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
- Pharmacology 2

Select 6 credit points of electives
Advanced Research Project 4

Advanced Materials and Data Science major

Year 1	Year 2	Year 3
Foundations of Physics	Linear Algebra	Programming for Data Analysis
Mathematical Modelling for Science	Mathematics for Physical Science	Select 6 credit points of electives
Chemistry 1	Select 6 credit points of electives	Solid-state Science and Nanodevices
Chemistry and Materials Science	Advanced Research Project 1	Advanced Research Project 3
Physics in Action	Programming Fundamentals	Nanophotonics
Statistics and Mathematics for Science	Quantum Physics	Select 12 credit points of electives
Chemistry 2 (Advanced)	Optics	Advanced Research Project 4
Research Methods	Advanced Research Project 2	

Environmental Biotechnology major

Year 1	Year 2	Year 3
Chemistry 1	Metabolic Biochemistry	Biotechnology
Mathematical Modelling for Science	General Microbiology	Medical Biotechnology
Cell Biology and Genetics	Select 6 credit points of electives	Select 6 credit points of electives
Physical Aspects of Nature	Advanced Research Project 1	Advanced Research Project 3
Chemistry 2 (Advanced)	Bioinformatics	Environmental Biotechnology
Biocomplexity	Molecular Biology 1	Bioreactors and Bioprocessing
Fundamentals of Software Development	Select 6 credit points of electives	Select 6 credit points of electives
Research Methods	Advanced Research Project 2	Advanced Research Project 4

Pre-Medicine major

Year 1	Year 2	Year 3
Chemistry 1	Physiological Systems	Pharmacology 1
Cell Biology and Genetics	Metabolic Biochemistry	Neuroscience
General Microbiology	Select 6 credit points of electives	Select 6 credit points of electives
Quantitative Skills for Science	Histology	Human Anatomy 3
Chemistry 2 (Advanced)	Human Pathophysiology	Pharmacology 2
Physical Aspects of Nature	Human Anatomy 2	Medical and Applied Physiology
Human Anatomy and Physiology	Select 6 credit points of electives	Select 6 credit points of electives
Research Methods	Immunology 1	Professional Practice

CAREER OPPORTUNITIES

Career 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

The Bachelor of Biomedical Physics is a multi-disciplinary degree that combines both biomedical science with physics applications. Some of the most challenging and rewarding applications of physics are in the area of biomedical physics. There is a broad range of applications for biomedical physics in areas such as radiation oncology, medical imaging and radiation safety. 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 the rapidly growing area at the interface between physics and biomedicine. Students gain advanced experimental, analytical and computational skills as well as an understanding of how the body works at a cellular and organ level. Students explore the biomedical applications of physics, ranging from the use of nanoparticles as diagnostic and therapeutic agents to medical imaging and diagnostic instrumentation.

Course code: C10346
CRICOS code: 084271D
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements:
See page 132
English language requirements:
See page 133

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.

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 radiation oncology, medical imaging, radiation safety, imaging technology and the medical instrumentation industry. The course also provides a pathway to postgraduate programs in medicine or medical physics.

BACHELOR OF BIOMEDICAL SCIENCE

COURSE DESCRIPTION

The Bachelor of Biomedical Science provides a strong professional and industry focus. Students obtain a solid foundation in both biological and medical sciences, and practical experimentation through extensive theoretical knowledge and advanced laboratory skills.

This course provides 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 laboratory skills required to participate in research aimed at the prevention or treatment of disease.

Course code: C10115
CRICOS code: 026805D
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements:
See page 132
English language requirements:
See page 133

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
- Immunology 1
- Elective 3
- Haematology 1

Year 3
Elective 2
Select 18 credit points from the following:
- Molecular Biology 2
- Clinical Bacteriology
- Medical and Diagnostic Biochemistry
- Haematology 2
- Immunology 2

Elective 4
Select 12 credit points from the following:
- Transfusion Science
- Biochemistry, Genes and Disease
- Parasitology

Anatomical Pathology

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

The Bachelor of Biotechnology provides students with a broad knowledge of modern biotechnology and its applications. Algal biofuels, stem cell therapy and new methods of disease diagnosis are just a few projects that biotechnologists are working on today.

This course provides students with a good understanding of biological processes of living organisms and the skills required to naturally manipulate these processes in the development of new medicines, environmental management, data analysis and biosensor technology. Students gain broad knowledge of modern biotechnology and practical skills in ethics, law and business processes.

Biotechnology is the science of the future and graduates have high employment rates due to the course's strong professional and industry focus. Graduates of this course gain a professional qualification in biological science and a strong foundation in the commercial aspects of biotechnology.

Course code: C10172
CRICOS code: 026806C
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Chemistry, cell biology and genetics, biocomplexity, human anatomy and physiology, microbiology, metabolic biochemistry, biotechnology, molecular biology, biobusiness, environmental biotechnology, immunology, bioreactors and bioprocessing, programming, imaging technology.

MAJORS

Medical biotechnology, environmental biotechnology, computational biotechnology, biosensor technology.

COURSE STRUCTURE

Medical Biotechnology major

Year 1	Year 2	Year 3
Principles of Scientific Practice	Immunology 2	Select 6 credit points of options
Chemistry 1	General Microbiology	Select 6 credit points of options
Cell Biology and Genetics	Biotechnology	Select 6 credit points of options
Physical Aspects of Nature	Pharmacology 1	Select 6 credit points of options
Molecular Biology 1	Business and Organisational Strategy	Medical Biotechnology
Integrating Business Perspectives	Intellectual Property Commercialisation	Bioreactors and Bioprocessing
Immunology 1	Medical Devices and Diagnostics	Business Strategy and Scenario Planning
Human Anatomy and Physiology	Pharmacology 2	Biobusiness

Environmental Biotechnology major

Year 1	Year 2	Year 3
Principles of Scientific Practice	Water Supply and Wastewater Engineering	Select 6 credit points of options
Chemistry 1	General Microbiology	Select 6 credit points of options
Cell Biology and Genetics	Biotechnology	Select 6 credit points of options
The Biosphere	Experimental Design and Sampling	Select 6 credit points of options
Molecular Biology 1	Environmental Remediation	Environmental Biotechnology
Integrating Business Perspectives	Intellectual Property Commercialisation	Bioreactors and Bioprocessing
Biocomplexity	Environmental Chemistry	Business Strategy and Scenario Planning
Business and Organisational Strategy	Principles of Environmental Engineering	Biobusiness

Computational Biotechnology major

Year 1	Year 2	Year 3
Principles of Scientific Practice	Programming for Data Analysis	Select 6 credit points of options
Chemistry 1	General Microbiology	Select 6 credit points of options
Cell Biology and Genetics	Biotechnology	Select 6 credit points of options
Mathematical Modelling 1	Introduction to Data Analytics	Select 6 credit points of options
Molecular Biology 1	Introduction to Information Systems	Bioinformatics
Integrating Business Perspectives	Intellectual Property Commercialisation	Bioreactors and Bioprocessing
Programming Fundamentals	Business and Organisational Strategy	Business Strategy and Scenario Planning
Mathematical Modelling 2	Advanced Data Analytics	Biobusiness

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.

Biosensor Technology major

Year 1
Principles of Scientific Practice
Chemistry 1
Cell Biology and Genetics
Mathematical Modelling 1
Chemistry 2
Integrating Business Perspectives
Human Anatomy and Physiology
Physical Modelling

Year 2
Business and Organisational Strategy
Biotechnology
Medical Imaging
Molecular Nanotechnology
Bionanotechnology
Intellectual Property Commercialisation
Immunology 1
Medical Devices and Diagnostics

Year 3
Select 6 credit points of options
Select 6 credit points of options
Select 6 credit points of options
Select 6 credit points of options
Biosensors
Nanophotonics
Business Strategy and Scenario Planning
Biobusiness

PROFESSIONAL RECOGNITION

The faculty is awaiting recognition from AusBiotech for this course.

CAREER OPPORTUNITIES

Career options include positions in research, development and production in chemical, pharmaceutical, medical, biomedical, agricultural, environmental, energy, communications and manufacturing companies. Graduates could work in product development in a variety of industries including pharmaceuticals, agriculture, wineries or breweries, quality control in food and public health, drug research such as anti-cancer vaccines, defence technologies and the mining industry.

BACHELOR OF ENVIRONMENTAL BIOLOGY

COURSE DESCRIPTION

The Bachelor of Environmental Biology focuses strongly 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. Studies focus on the foundation components of the natural systems, how these systems work, and how detrimental impacts on them can be assessed and recovered.

This course gives students a thorough understanding of the way living organisms function in terrestrial and aquatic environments, acquisition of skills to study them and the ability to detect and assess detrimental effects on the environment such as climate change, pollution and human resource use. Students learn these skills and concepts through a dynamic combination of theory, field and laboratory experiences. Excursions undertaken in the seniors years are particularly valued for the opportunities they provide to consolidate knowledge, apply new skills and learning through experience.

Course code: C10223
CRICOS code: 079561C
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Ecosystem assessment, ecology, environmental biology, ecosystem protection and management; pollution impacts on ecosystems; plant and wildlife ecology and management; statistics and experimental design; GIS and remote sensing, freshwater ecosystems.

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
Geological 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

Australian Institute for Biology, Australian Ecological Society, Australian Society for Plant Physiology, Australasian Society for Ecotoxicology, Australasian Marine Science Association.

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, CSIRO, 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, as teachers at schools and TAFE, and in the private sector as environmental and sustainability consultants.

BACHELOR OF FORENSIC SCIENCE

COURSE DESCRIPTION

The Bachelor of Forensic Science prepares students for professional and specialist work in the discipline of forensic science. Students build a solid foundation of skills and knowledge in the enabling sciences, complemented by an in-depth understanding of forensic science in the context of their chosen discipline. Development of critical thinking and problem-solving skills is a focus of the degree, with graduates in high demand from a diverse range of industries and organisations.

This course provides students with a thorough understanding of how forensic science can solve and prevent crime. This is a hands-on course using world-class facilities that are modelled on operational laboratories.

Students can choose from four majors: biology, chemistry, crime scene investigation, and digital forensics. The course is well-regarded with strong links to industries such as the federal and state police services, national and international forensic institutions, and government laboratories.

Students can combine this course with international studies (C10388), creative intelligence and innovation (C10389), or law (C10391).

Course code: C10387
CRICOS code: 092381J
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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.

MAJORS

Biology, chemistry, crime scene investigation, digital forensics.

COURSE STRUCTURE

Biology major

Year 1
Chemistry 1
Principles of Forensic Science
Principles of Scientific Practice
Mathematical Modelling for Science
Chemistry 2
Cell Biology and Genetics
Forensic Statistics
Forensic Imaging

Year 2
Crime Scene Investigation
General Microbiology
Criminalistics
Metabolic Biochemistry
Molecular Biology 1
DNA Profiling
Select 12 credit points from the following:
- Investigation of Human Remains
- Biological Criminalisation
- Bioinformatics

Year 3
Electives (Science UG)
Forensic Intelligence
Complex Cases
Forensic Research Project
Next Generation Sequencing

Chemistry major

Year 1
Chemistry 1
Principles of Forensic Science
Principles of Scientific Practice
Mathematical Modelling for Science
Chemistry 2
Cell Biology and Genetics
Forensic Statistics
Forensic Imaging

Year 2
Crime Scene Investigation
Organic Chemistry 1
Spectroscopy and Structure
Criminalistics
Analytical Instrumentation 1
Organic Chemistry 2
Chemical Criminalistics
Select 6 credit points from the following:
- Forensic Toxicology
- Document Examination and Counterfeiting
- Chemistry and Pharmacology of Recreational Drugs
- Fire and Explosion Investigation

Year 3
Electives (Science UG)
Forensic Intelligence
Complex Cases
Forensic Research Project
Select 6 credit points from the following:
- Forensic Toxicology
- Document Examination and Counterfeiting
- Chemistry and Pharmacology of Recreational Drugs
- Fire and Explosion Investigation

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.

CSI major

Year 1
Chemistry 1
Principles of Forensic Science
Principles of Scientific Practice
Mathematical Modelling for Science
Chemistry 2
Cell Biology and Genetics
Forensic Statistics
Forensic Imaging

Year 2
Crime Scene Investigation
Foundations of Physics
Criminalistics
Organic Chemistry 1
Homicide Investigation
Major Scene Investigation
Investigation of Human Remains
Select 6 credit points from the following:
- Chemical Criminalistics
- Document Examination and Counterfeiting
- Fire and Explosion Investigation
- Spectroscopy and Structure

Year 3
Electives (Science UG)
Forensic Intelligence
Complex Cases
Forensic Research Project
Advanced Imaging and Specialist Recovery

Digital Forensic major

Year 1
Web Systems
Principles of Forensic Science
Programming Fundamentals
Mathematical Modelling for Science
Network Fundamentals
Fundamentals of Security
Forensic Statistics
Forensic Imaging

Year 2
Crime Scene Investigation
Network Security
Criminalistics
Digital Trace and Identity
Digital Forensics
Digital and Cyber Crime
Mobile Networking
Select 6 credit points from the following:
- Network Servers
- Cloud Computing Infrastructure

Year 3
Electives (Science UG)
Forensic Intelligence
Complex Cases
Forensic Research Project
Web Monitoring and Investigations

PROFESSIONAL RECOGNITION

Graduates of the Chemistry major are eligible 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, state and federal law enforcement agencies, government and private forensic or drug detection laboratories, customs, quarantine services, environmental protection agencies, pharmaceutical, chemical and analytical industries, DNA testing laboratories, medical diagnostic laboratories, hospitals or corporate multinationals providing forensic, medical or research services, digital forensic laboratories, scene of crime officers.

BACHELOR OF HEALTH SCIENCE IN TRADITIONAL CHINESE MEDICINE Ⓦ

COURSE DESCRIPTION

The Bachelor of Health Science in Traditional Chinese Medicine 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.

The course has a strong history of delivering skilled practitioners and researchers, and is well regarded nationally and internationally. Opportunities exist for overseas clinical internships in the final year of study in Asia, including China (Chengdu University of Traditional Chinese Medicine and Hong Kong Baptist University) and South Korea (Dong-Eui University). In addition students may pursue a six-year combined degree with a Bachelor of Arts in International Studies, choosing a country major choice from the Bachelor of Arts in International Studies, including China, where students learn Mandarin and study in China for a year.

Course code: C10186
CRICOS code: 023606B
Course duration: 4 years
Number of credit points: 192
Intake: March, July
Location: City
Fees: A$16,895 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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

Year 1
Chinese Medicine Foundations 1
Point Location and Acupuncture Anatomy
Clinical Theory and Clinic Level 1
Communication for the Complementary Therapist
Introduction to Chinese Herbal Medicine
Chinese Medicine Foundations 2
Clinic Level 2 and Acupuncture Techniques 1
Human Anatomy and Physiology

Year 2
Chinese Diagnostic System 1
Clinic Level 3 and Acupuncture Techniques 2
Pharmacology of Chinese Herbal Medicine
Physiological Systems
Chinese Diagnostic System 2
Clinic Level 4 and Acupuncture Techniques 3
Chinese Herbal Formula 1
Human Pathophysiology

Year 3
Clinical Features of Disease
Clinic Level 5 and Acupuncture Microsystems
Chinese Herbal Formula 2
Neuroscience
Medical Classics and the History of Chinese Medicine
Clinical Practicum (Therapy and Diagnosis)
Clinic Level 6
Disease States for Traditional Chinese Medicine 1

Year 4
Evaluating TCM: Theory, Practice and Research 1
Disease States for Traditional Chinese Medicine 2
Clinical Practice 1 (TCM)
Professional Issues in Traditional Chinese Medicine
Evaluating TCM: Theory, Practice and Research 2
Clinical Practice 2 (TCM)

PROFESSIONAL RECOGNITION

The course is accredited by the Chinese Medicine Board of Australia and graduates are eligible for general registration as a Chinese herbal medicine and acupuncture practitioner, and for membership with most professional associations.

CAREER OPPORTUNITIES

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.

PRIOR STUDY

Inherent requirements are those fundamental skills a student must achieve to demonstrate essential learning outcomes and competencies of their course. Failure to meet the inherent requirements may result in a student not being able to satisfactorily complete their course and graduate.

BACHELOR OF MARINE BIOLOGY

COURSE DESCRIPTION

The Bachelor of Marine Biology focuses on how the marine environment works and how it can be better managed. It has a strong practical and field-based focus where students learn important concepts and skills.

This course gives students a thorough understanding of life in marine and aquatic environments, acquisition of skills to study them and the ability to detect and assess detrimental effects on marine environments such as climate change, pollution, remediation and human resource use. Students learn these skills and concepts through a combination of theory, field and laboratory experiences. Field trips undertaken in the later part of this course are particularly valued for the opportunities to practice the theory, knowledge and learn through experiencing the environment firsthand.

Course code: C10228
CRICOS code: 079735G
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Animal behaviour, physiology, 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

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
Geological Processes
Experimental Design and Sampling
Ecology
Select 6 credit points of electives
Animal Behaviour and Physiology
Plant Physiology and Ecophysiology
Marine Communities
Select 6 credit points of electives

Year 3
GIS and Remote Sensing
Fisheries Resources
Aquatic Ecology
Select 6 credit points of electives
Coral Reef Ecosystems
Environmental Protection and Management
Marine Productivity and Climate Change
Select 6 credit points of electives

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.

PROFESSIONAL RECOGNITION

Australian Marine Science Association

CAREER OPPORTUNITIES

Career options include positions in fisheries, national parks and wildlife, environmental protection, infrastructure, natural resources and planning both in government and industries. Graduates are also employed by local councils as environmental officers, in resource industries and consulting firms as research officers, CSIRO, universities and as teachers at schools.

BACHELOR OF MEDICAL SCIENCE

COURSE DESCRIPTION

The Bachelor of Medical Science is designed 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.

Students gain a good understanding of 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, public health and health administration. Pharmaceutical companies look to medical science graduates to work in areas such as drug registration and clinical trials.

Course code: C10184
CRICOS code: 023607A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

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
- Immunology 1
- Haematology 1

Year 3
Pharmacology 1
Neuroscience
Elective 2
Elective 3
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. Graduates also work as consultants, providing links with bodies such as state health departments and the Therapeutic Goods Administration.

BACHELOR OF MEDICINAL CHEMISTRY

COURSE DESCRIPTION

The Bachelor of Medicinal Chemistry is a practice-oriented degree that involves cutting-edge instrumentation, equipping students with the necessary skills for a career as a medicinal chemist.

This course 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. Students develop a solid foundation in chemistry, mathematics and biology in their first year of study underpinning future studies. These topics are expanded further covering pharmacology and drug synthesis strategies in the latter years of study.

Course code: C10275
CRICOS code: 084274A
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Cell biology, human anatomy, biochemistry, pharmacology, organic chemistry, medicinal chemistry, drug synthesis, metabolic biochemistry, analytical chemistry.

COURSE STRUCTURE

Year 1
Principles of Scientific Practice
Chemistry 1
Mathematical Modelling for Science
Cell Biology and Genetics
Chemistry 2
Statistics and Mathematics for Science
Human Anatomy and Physiology
Select 6 credit points of electives

Year 2
Organic Chemistry 1
Physiological Systems
Physical Chemistry 1
Select 6 credit points of electives
Organic Chemistry 2
Inorganic Chemistry 1
Spectroscopy and Structure
Medicinal Chemistry

Year 3
Analytical Instrumentation 1
Metabolic Biochemistry
Pharmacology 1
Strategies in Drug Synthesis
Analytical Instrumentation 2
Pharmacology 2
Select 12 credit points of electives

PROFESSIONAL RECOGNITION

Graduates are eligible for membership of the Royal Australian Chemical Institute (RACI)

CAREER OPPORTUNITIES

Career options include positions in pharmaceutical industries, biotechnology start-ups, clinical trials management and government regulatory authorities. This course offers graduates a pathway into careers of drug discovery from concept to delivery. Students can choose to work in the range of industries where they have the opportunity to interact with multidisciplinary teams involving pharmacologists, toxicologists, analytical chemists, microbiologists, and biopharmacists. The majority of jobs are with pharmaceutical companies, biotechnology start-ups, clinical trials management or government regulatory authorities.

BACHELOR OF SCIENCE

COURSE DESCRIPTION

The Bachelor of Science gives students a solid foundation in scientific knowledge and practice while allowing them to specialise in an area of interest. Students may follow any of the nine different majors leading to the award of a degree naming the chosen major, e.g. Bachelor of Science in Nanotechnology, or Bachelor of Science in Medical Science, or any of the majors 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 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.

Course code: C10242
CRICOS code: 040705B
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$17,930 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

Experimental design and 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 protection and management, fisheries and wildlife ecology, physiology of plants and animals, bioreactors, bioprocessing, haematology, immunology, parasitology.

COURSE STRUCTURE

Applied Chemistry major, Autumn commencing

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 Instrumentation 1
Inorganic Chemistry 2
Polymer Science
Select 6 credit points of electives
Analytical Instrumentation 2
Physical Chemistry 2
Surface Processes
Select 6 credit points of electives

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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Applied Physics major, Autumn commencing

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
Optics
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
Nanophotonics
Scanning Probe and Electron Microscopy
Measurement and Analysis of Physical Processes
Select 6 credit points of electives

Biomedical Science major, Autumn commencing

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
- Immunology 1
- Elective 3
- Haematology 1

Year 3
Elective 2
Select 18 credit points from the following:
- Molecular Biology 2
- Clinical Bacteriology
- Medical and Diagnostic Biochemistry
- Haematology 2
- Immunology 2

Elective 4
Select 12 credit points from the following:
- Transfusion Science
- Biochemistry, Genes and Disease
- Parasitology
- Anatomical Pathology

Biotechnology major, Autumn commencing

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
- Immunology 1
- Haematology 1

Year 3
Molecular Biology 2
Biobusiness
Immunology 2
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, Autumn commencing

Year 1
Introduction to Quantitative Management
Principles of Scientific Practice
Introduction to Linear Dynamical Systems
Introduction to Statistics
Regression Analysis
Foundation subject choice B
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables

Year 2
Linear Algebra
Optimisation in Quantitative Management
Simulation Modelling
Select 6 credit points of options
Differential Equations
Programming for Informatics
Select 6 credit points from the following:
- Mathematical Methods
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes
- Discrete Mathematics
- Sample Surveys
- Advanced Statistical Modelling

Select 6 credit points of options

Year 3
Advanced Calculus
Select 12 credit points from the following:
- Quantitative Management Practice
- Design and Analysis of Experiments
- Programming for Data Analysis

Select 6 credit points of options
Select 18 credit points from the following:
- Mathematical Methods
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes
- Discrete Mathematics
- Sample Surveys
- Advanced Statistical Modelling

Select 6 credit points of options

Medical Science major, Autumn commencing

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
- Immunology 1
- Haematology 1

Year 3
Pharmacology 1
Neuroscience
Elective 3
Elective 2
Pharmacology 2
Medical Devices and Diagnostics
Medical and Applied Physiology
Elective 4

Nanotechnology major, Autumn commencing

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
Optics
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
Nanophotonics
Scanning Probe and Electron Microscopy
Select 6 credit points of electives

Statistics major, Autumn commencing

Year 1
Introduction to Quantitative Management
Principles of Scientific Practice
Introduction to Linear Dynamical Systems
Introduction to Statistics
Regression Analysis
Foundation subject choice B
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables

Year 2
Linear Algebra
Optimisation in Quantitative Management
Simulation Modelling
Select 6 credit points of options
Differential Equations
Programming for Informatics
Select 12 credit points from the following:
- Sample Surveys
- Advanced Statistical Modelling
- Stochastic Processes

Year 3
Advanced Calculus
Select 6 credit points from the following:
- Design and Analysis of Experiments
- Programming for Data Analysis

Select 12 credit points of options
Select 6 credit points from the following:
- Sample Surveys
- Advanced Statistical Modelling
- Stochastic Processes
- Analytics Capstone

Select 12 credit points from the following:
- Mathematical Methods
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes
- Discrete Mathematics
- Sample Surveys
- Advanced Statistical Modelling

Select 6 credit points of options

Environmental Sciences major, Autumn commencing

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 Remediation
- 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
- 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

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.

No specified major, Autumn commencing

This is our most flexible major, enabling you to study core science and mathematics subjects while specialising in your areas of interest and aspiration. In the first year, you'll study the core subjects of your chosen foundation stream. They are five foundation streams namely mathematical sciences, chemistry, physics, environmental and life sciences.

At the end of first year, you can either continue within the foundation stream or choose not to follow a major, instead opting to study a mix of subjects and keep your career options open.

This major is a great option if you're undecided over which major to pursue. It allows you to study a broad range of subjects in first year before deciding on a major in second year.

It also enables you to familiarise yourself with different areas of science and maths, and to discuss your interests and options with lecturers.

Mathematical Sciences Stream

Year 1
Introduction to Quantitative Management
Introduction to Linear Dynamical Systems
Introduction to Statistics
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Principles of Scientific Practice
Regression Analysis
Choose one subject from Foundation Choice B, visit www.handbook.uts.edu.au/sci

Year 2
Choose six subjects from Level 2 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90606.html
Elective x 2

Year 3
Choose six subjects from Level 3 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90607.html
Elective x 2

Chemistry stream

Year 1
Principles of Scientific Practice
Chemistry 1
Mathematical Modelling for Science
Foundations of Physics
Chemistry 2
Statistics and Mathematics for Science
Physics in Action
Select one of the following:
- Cell Biology and Genetics
- Human Anatomy and Physiology
- Introduction to Materials

Year 2
Choose six subjects from Level 2 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90606.html
Elective x 2

Year 3
Choose six subjects from Level 3 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90607.html
Elective x 2

Physics Stream

Year 1
Mathematical Modelling for Science
Chemistry 1
Foundations of Physics
Principles of Scientific Practice
Statistics and Mathematics for Science
Chemistry 2
Physics in Action
Introduction to Materials

Year 2
Choose six subjects from Level 2 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90606.html
Elective x 2

Year 3
Choose six subjects from Level 3 subject choices (Physical Sciences), visit www.handbook.uts.edu.au/directory/cbk90607.html
Elective x 2

Environmental Stream

Year 1
Principles of Scientific Practice
Chemistry 1
The Biosphere
Statistical Design and Analysis
Biocomplexity
Cell Biology and Genetics
Physical Aspects of Nature
Environmental Chemistry

Year 2
Choose six subjects from Level 2 subject choices (Life and Environmental Sciences), visit www.handbook.uts.edu.au/directory/cbk90598.html
Elective x 2

Year 3
Choose six subjects from Level 3 subject choices (Life and Environmental Sciences), visit www.handbook.uts.edu.au/directory/cbk90599.html
Elective x 2

Life Sciences Stream

Year 1
Cell Biology and Genetics
Chemistry 1
Principles of Scientific Practice
Statistical Design and Analysis
Chemistry 2
Physical Aspects of Nature
Biocomplexity
Human Anatomy and Physiology

Year 2
Choose six subjects from Level 2 subject choices (Life and Environmental Sciences), visit www.handbook.uts.edu.au/directory/cbk90598.html
Elective x 2

Year 3
Choose six subjects from Level 3 subject choices (Life and Environmental Sciences), visit www.handbook.uts.edu.au/directory/cbk90599.html
Elective x 2

CAREER OPPORTUNITIES

Graduates are highly versatile as they can work in almost any industry such as biotechnology, biomedical science, medical science, marine biology, environmental monitoring and management, 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.

BACHELOR OF SCIENCE IN ANALYTICS

COURSE DESCRIPTION

The Bachelor of Science in Analytics focuses on the analytical skills and technical knowledge that underpin the sophisticated data analysis tools on which key aspects of business activity rely. These tools enable industry to capitalise on big data by gaining insights through expert interpretation of results of statistical and other quantitative analyses. In this course students study key areas of business activity and develop a broad range of mathematical, statistical, computational and data management skills, as well as experience in the use of the information technology required for modern data analysis.

Business and other organisations require skills that provide competitive advantage in today's dynamic marketplace. Innovation in industry depends on the ability to quickly test ideas and strategies against evidence. This evidence is often embedded in a firm's big data, and decision-making is driven by the application of predictive modelling and optimisation strategies to this data. Data science and analytics are keys to success in knowledge-based industries and in delivering high-value data products. This program equips students to practise as data science and analytics professionals, developing information technology skills, expertise in statistics and mathematics, and familiarity with key areas of business and policy development.

Course code: C10384
CRICOS code: 088438J
Course duration: 3 years
Number of credit points: 144
Intake: March, July
Location: City
Fees: A$16,895 per session (see page 138 for further fees information)
Academic and additional requirements:
See page 132
English language requirements:
See page 133

AREAS OF STUDY

Mathematical analysis and modelling, data analysis, probability, data analytics, database fundamentals, quantitative management.

MAJORS

Consumer analytics, operations analysis, risk management, financial mathematics.

COURSE STRUCTURE

Consumer Analytics major, Consumer Analytics Extension sub-major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Marketing Foundations
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
Consumer Behaviour
Database Fundamentals
Linear Algebra
Design and Analysis of Experiments
Marketing Research
Sample Surveys
Select 6 credit points from the following:
- International Marketing
- Marketing Channels

Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Year 3
Introduction to Data Analytics
Programming for Data Analysis
Select 12 credit points from the following:
- Discrete Mathematics
- Advanced Calculus
- Optimisation in Quantitative Management
- Simulation Modelling
- Differential Equations
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes

Advanced Statistical Modelling
Analytics Capstone
Select 6 credit points from the following:
- International Marketing
- Marketing Channels
- Marketing Analytics and Decisions
- Marketing Planning and Strategy

Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

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.

Consumer Analytics major, all other sub-majors

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Marketing Foundations
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
Consumer Behaviour
Database Fundamentals
Linear Algebra
Design and Analysis of Experiments
Select 24 credit points from the following:
- Electives (Science UG)
- Operations Analysis
- Risk Management
- Financial Mathematics

Year 3
Marketing Research
Introduction to Data Analytics
Programming for Data Analysis
Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Sample Surveys
Advanced Statistical Modelling
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

Operations Analysis major, Operations Analysis Extension sub-major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Managing People and Organisations
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
Database Fundamentals
Linear Algebra
Optimisation in Quantitative Management
Select 6 credit points from the following:
- Business and Organisational Strategy
- Global Operations and Supply Chain Management
- Understanding Organisations: Theory and Practice

Select 12 credit points from the following:
- Business and Organisational Strategy
- Global Operations and Supply Chain Management
- Understanding Organisations: Theory and Practice

Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Select 6 credit points from the following:
- Discrete Mathematics
- Advanced Calculus
- Sample Surveys
- Simulation Modelling
- Differential Equations
- Design and Analysis of Experiments
- Advanced Statistical Modelling
- Stochastic Processes

Year 3
Introduction to Data Analytics
Programming for Data Analysis
Select 6 credit points from the following:
- Sample Surveys
- Simulation Modelling

Select 6 credit points from the following:
- Discrete Mathematics
- Advanced Calculus
- Sample Surveys
- Simulation Modelling
- Differential Equations
- Design and Analysis of Experiments
- Advanced Statistical Modelling
- Stochastic Processes

Nonlinear Methods in Quantitative Management
Network and Combinatorial Optimisation
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

Operations Analysis major, all other sub-majors

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Managing People and Organisations
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
Database Fundamentals
Linear Algebra
Optimisation in Quantitative Management
Select 6 credit points from the following:
- Business and Organisational Strategy
- Global Operations and Supply Chain Management
- Understanding Organisations: Theory and Practice

Select 24 credit points from the following:
- Electives (Science UG)
- Consumer Analytics
- Risk Management
- Financial Mathematics

Year 3
Introduction to Data Analytics
Programming for Data Analysis
Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Select 6 credit points from the following:
- Sample Surveys
- Simulation Modelling

Nonlinear Methods in Quantitative Management
Network and Combinatorial Optimisation
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

Risk Management major, Risk Management Extension sub-major

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Fundamentals of Business Finance
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
The Financial System
Database Fundamentals
Linear Algebra
Simulation Modelling
Sample Surveys
Select 12 credit points from the following:
- International Financial Management
- Investment Analysis
- Corporate Finance: Theory and Practice
- Issues in Corporate Finance
- Investment Banking
- Applied Portfolio Management
- Derivative Securities

Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Year 3
Introduction to Data Analytics
Design and Analysis of Experiments
Programming for Data Analysis
Select 6 credit points from the following:
- Discrete Mathematics
- Advanced Calculus
- Optimisation in Quantitative Management
- Differential Equations
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes

Advanced Statistical Modelling
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

Select 6 credit points from the following:
- Discrete Mathematics
- Advanced Calculus
- Optimisation in Quantitative Management
- Differential Equations
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Stochastic Processes

Risk Management major, all other sub-majors

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Fundamentals of Business Finance
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
The Financial System
Database Fundamentals
Linear Algebra
Simulation Modelling
Select 24 credit points from the following:
- Electives (Science UG)
- Consumer Analytics
- Operations Analysis
- Financial Mathematics

Year 3
Introduction to Data Analytics
Design and Analysis of Experiments
Programming for Data Analysis
Select 6 credit points from the following:
- e-Business Trading
- Object-relational Databases
- Database Programming

Sample Surveys
Advanced Statistical Modelling
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Object-relational Databases
- Database Programming

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.

Financial Mathematics maj, Financial Mathematics Extension smj

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Fundamentals of Business Finance
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
The Financial System
Advanced Calculus
Linear Algebra
Simulation Modelling
Database Fundamentals
Differential Equations
Select 12 credit points from the following:
- International Financial Management
- Investment Analysis
- Corporate Finance: Theory and Practice
- Issues in Corporate Finance
- Investment Banking
- Applied Portfolio Management
- Derivative Securities

Year 3
Introduction to Data Analytics
Optimisation in Quantitative Management
Select 6 credit points from the following:
- Object-relational Databases
- Database Programming

Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Database Programming
- Programming for Data Analysis

Stochastic Processes
Analytics Capstone
Select 12 credit points from the following:
- Programming for Informatics
- Sample Surveys
- Nonlinear Methods in Quantitative Management
- Network and Combinatorial Optimisation
- Design and Analysis of Experiments
- Advanced Statistical Modelling

Financial Mathematics major, all other sub-majors

Year 1
Introduction to Linear Dynamical Systems
Introduction to Quantitative Management
Introduction to Statistics
Regression Analysis
Fundamentals of Business Finance
Introduction to Mathematical Analysis and Modelling
Probability and Random Variables
Programming for Informatics

Year 2
The Financial System
Database Fundamentals
Linear Algebra
Simulation Modelling
Select 24 credit points from the following:
- Electives (Science UG)
- Consumer Analytics
- Operations Analysis
- Risk Management

Year 3
Introduction to Data Analytics
Advanced Calculus
Optimisation in Quantitative Management
Select 6 credit points from the following:
- Database Programming
- Programming for Data Analysis

Differential Equations
Stochastic Processes
Analytics Capstone
Select 6 credit points from the following:
- e-Business Trading
- Advanced Data Analytics
- Database Programming
- Programming for Data Analysis

CAREER OPPORTUNITIES

Career options include positions in business intelligence, data science, business analytics, consumer analytics, marketing research, logistics management, financial and credit risk management, stock market analysis, portfolio management, option pricing, international money market analyst. Major employers include media and marketing companies, banks, insurance companies, superannuation providers, prominent consulting firms, government bodies such as APRA and ASIC, and other major financial bodies.

HONOURS DEGREES

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

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C09078	Bachelor of Biomedical Physics (Honours)	2	A$17,930	March, July	City	084272C
C09022	Bachelor of Biotechnology (Honours)	2	A$17,930	March, July	City	043283F
C09050	Bachelor of Forensic Science (Honours) in Applied Chemistry	2	A$17,930	March, July	City	061247E
C09031	Bachelor of Medical Science (Honours)	2	A$17,930	March, July	City	040706A
C09077	Bachelor of Medicinal Chemistry (Honours)	2	A$17,930	March, July	City	084273B
C09099	Bachelor of Science (Honours) in Analytics	2	A$16,895	March, July	City	088440D
C09026	Bachelor of Science (Honours) in Applied Chemistry	2	A$17,930	March, July	City	040707M
C09035	Bachelor of Science (Honours) in Applied Physics	2	A$17,930	March, July	City	040708K
C09023	Bachelor of Science (Honours) in Biomedical Science	2	A$17,930	March, July	City	043284E
C09029	Bachelor of Science (Honours) in Environmental Sciences	2	A$17,930	March, July	City	022683G
C09020	Bachelor of Science (Honours) in Mathematics	2	A$17,930	March, July	City	017876G
C09046	Bachelor of Science (Honours) in Nanotechnology	2	A$17,930	March, July	City	059184M

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10352	Bachelor of Advanced Science Bachelor of Creative Intelligence and Innovation	8	A$18,280	March	City	088064A
C10353	Bachelor of Biomedical Physics Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March		088065M
C10169	Bachelor of Biotechnology Bachelor of Business	8	A$17,930	March, July	City	041436K
C09074	Bachelor of Engineering (Honours) Bachelor of Medical Science Ⓦ	10	A$19,015	March, July	City	084095D
C09075	Bachelor of Engineering (Honours) Bachelor of Medical Science Diploma in Professional Engineering Practice Ⓦ	12	A$19,015	March, July	City	084096C
C09072	Bachelor of Engineering (Honours) Bachelor of Science Ⓦ	10	A$19,015	March, July	City	084093F
C09073	Bachelor of Engineering (Honours) Bachelor of Science Diploma in Professional Engineering Practice Ⓦ	12	A$19,015	March, July	City	084094E
C10388	Bachelor of Forensic Science Bachelor of Arts in International Studies	10	A$17,930	March	City	092382G
C10389	Bachelor of Forensic Science Bachelor of Creative Intelligence and Innovation	8	A$17,930	March	City	092383G
C10391	Bachelor of Forensic Science Bachelor of Laws	10	A$20,175	March, July	City	092384F
C10164	Bachelor of Health Science in Traditional Chinese Medicine Bachelor of Arts in International Studies Ⓦ	12	A$16,895	March	City	067517F
C10167	Bachelor of Medical Science Bachelor of Arts in International Studies	10	A$17,930	March	City	043287B
C10163	Bachelor of Medical Science Bachelor of Business	8	A$17,930	March, July	City	040712C
C10131	Bachelor of Medical Science Bachelor of Laws	10	A$20,175	March, July	City	025797G
C10354	Bachelor of Medicinal Chemistry Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March		088066K
C10243	Bachelor of Science Bachelor of Arts in International Studies	10	A$17,930	March	City	026202J
C10162	Bachelor of Science Bachelor of Business	8	A$17,930	March, July	City	032310K
C10330	Bachelor of Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March	City	079759M
C10126	Bachelor of Science Bachelor of Laws	10	A$20,175	March, July	City	009473E
C10385	Bachelor of Science in Analytics Bachelor of Arts in International Studies	10	A$16,895	March	City	088439G

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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: TRANSDISCIPLINARY INNOVATION

An Australian first, the Faculty of Transdisciplinary Innovation (FTD*i*) offers degrees that encompass high-level critical and creative thinking, problem-solving, data and digital technologies, invention, complexity, innovation, future scenario building and entrepreneurship.

bachelor of creative intelligence and innovation (BCII) • bachelor of technology and innovation (BT*i*) • diploma in innovation (DipInn)

> **Degrees like no others.** Become a lifelong innovator, entrepreneur, creative practitioner, technology thinker and change-maker. Designed for radical and curious thinkers, FTD*i* degrees at UTS will push the boundaries of your creative transdisciplinary thinking.

> **Learn to collaborate and innovate.** Benefit from collaborative learning with multiple perspectives from a number of diverse fields. Integrate a world of industry experiences, real-world projects and self-initiated proposals to address complex challenges and untapped opportunities.

> **Get the critical competencies for the digital age.** Courses are based on extensive research into the future economy and consultation with industry ensuring that students gain the adaptability, resilience and entrepreneurial spirit they need to thrive. Futurists predict that 50 per cent of the jobs in 2030 don't yet exist and employment trends are already changing. The FTD*i* degrees are a direct response to industry demand for graduates working at the intersection of technology, creativity and innovation.

> **Accelerate your learning.** Flexible options for learning about creativity, technology and innovation, either as a standalone degree, combined degree or alongside another. Be prepared for one-of-a-kind challenging experiences for future innovators.

> **Gain real world experience.** Work alongside seasoned professionals from a wide variety of industries and take advantage of working with real clients, tackling real briefs in real time. Launch your professional career through completion of an internship in the final year of your BCII degree, or in the second year of your BT*i* degree.

> **Drive industry and social change.** Engage with social practices, team-based conceptual thinking and emerging technologies to discover rare skills and mindsets. Go beyond the design-thinking and design-led-innovation to drive industry and social change

> **Think differently.** Get hands-on experience with current and emerging technologies, and apply your creative and technology skills to problem-solving challenges. Be part of a creative and innovative lab-learning environment with organised think-tanks, hackathons and hot-housing days. Experiment with creative methods and practices from across the disciplines.

Photos: 1 2 3 4 David Lawrey 5 Anna Zhu

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PROFESSOR LOUISE MCWHINNIE

Dean of the Faculty of Transdisciplinary Innovation

"As the challenges before us become even more complex, dynamic and networked, people with the capability to conceive of jobs that do not yet exist and to work with and across disciplines become highly prized as agents to envision and enact change. In forming the Faculty of Transdisciplinary Innovation, UTS has taken the lead in educating such remarkable people to lead change in what we already recognise is a new industrial revolution... in fact a new technological revolution, a revolution of work, ideas and of course education."

PROFESSOR SHIRLEY ALEXANDER

Deputy Vice-Chancellor (Education and Students)

"What I've learned most from speaking to employers is that they are looking for graduates who can drive change by really exploring and understanding complex problems at a very deep level and from multiple perspectives. Being able to work across disciplinary boundaries and with different partners means that they can engage more creatively and productively within organisations wanting to innovate."

DOMINICA INGUII, AUSTRALIA

Bachelor of Arts in Communication (Public Communication)
Bachelor of Creative Intelligence and Innovation

"As a highly curious person, I was driven to this degree because it became a structured, expressive outlet for my questioning and thoughts. With much uncertainty surrounding employment and industry in the future, it seemed the only thing I was certain about was that my education had to be different.

A highlight of BCII learning, even in its early stages, is the constant reminder that today is mine and so is tomorrow. Working closely with Australian and global companies who see value in our education and our energy has given me the confidence to nurture my own entrepreneurial and innovative spirit. We, as people of creative agency, do not have to worry about conquering the future, as we will be the ones who may pave the way."

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).

BACHELOR OF TECHNOLOGY AND INNOVATION Ⓦ

COURSE DESCRIPTION

This new degree is a direct response to industry demand for graduates equipped to work at the intersection of technology, creativity and innovation. Graduates of this course can engage in a broad range of technology-related careers. The course is also for students who have the desire to eventually become strategic influencers in technology-related roles.

Taking a transdisciplinary approach, the Bachelor of Technology and Innovation engages students with open, complex and networked problems and in doing so, enables them to develop the technological knowledge, practices, perspectives and strategies drawn from a diverse range of discipline areas. Extending their industry engagement, all students have the opportunity to undertake a carefully selected internship in the second year of the program, creating a tangible connection between the university learning environment and their future career aspirations.

Course code: C10390
CRICOS code: 092522A
Course duration: 3 years
Number of credit points: 144
Intake: March
Location: City
Fees: A$15,320 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

AREAS OF STUDY

A broad range of study areas ensure graduates possess the following personal, professional and intellectual capabilities: technological fluency and computational thinking; creating value in problem solving and inquiry; inter-and transdisciplinary practices; resilient practices within complex systems; imaginative and ethical citizenship.

COURSE STRUCTURE

Year 1
Technology Lab 1: Imagine and Create
Project: Complex Challenges to Creative Possibilities
Science Fiction: Making Futures
Technology Lab 2: Connect and Network
Project: Data-driven Design Challenges
Creative Methods and Entrepreneurial Initiatives

Year 2
Technology Lab 3: Exchange and Influence
Project: Global Grand Challenges
Complexity and Sustainable Futures
Innovation Internship
Select 12 credit points of options

Year 3
Innovation Capstone: Research and Development
Select 12 credit points of options
Emergent Professional Practice
Innovation Capstone: Realisation and Transformation

INDUSTRIAL TRAINING/PROFESSIONAL PRACTICE

Transdisciplinary collaboration occurs within a diversity of complex, dynamic and networked contexts. The course integrates a range of live, real-world projects and industry experience, either locally or internationally. All students complete an internship in Year 2, providing opportunities for mentored professional experience and active engagement with industry. This is in addition to the integrated real-world projects and industry exposure provided throughout the course..

CAREER OPPORTUNITIES

Career options include technology fusionist; digital experience curator; intelligent system designer; technology policy advisor; innovation change manager; IoT architect; augmented reality designer; social entrepreneur.

DIPLOMA IN INNOVATION

COURSE DESCRIPTION

The Diploma in Innovation is a new qualification created as a direct response to industry demand for graduates to work at the intersection of creativity, innovation and entrepreneurship.

Taking a transdisciplinary approach, the course engages students with open, complex and networked problems and in doing so, engenders attributes around complex systems thinking, creating value in problem solving and inquiry, imaginative and ethical citizenship and entrepreneurial/intrapreneurial skills as well as developing the ability to effectively employ inter- and transdisciplinary practices themselves. These attributes provide graduates with the ability to identify and develop solutions to some of the most complex issues that face their disciplines and society.

Course code: C20060
CRICOS code: 092521B
Course duration: 1 year
Number of credit points: 48
Intake: March
Location: City
Fees: A$16,280 per session (see page 138 for further fees information)
Academic and additional requirements: See page 132
English language requirements: See page 133

The Diploma in Innovation is taken concurrently with an undergraduate coursework degree program at UTS. The focus around creative intelligence and innovation and entrepreneurial knowledge, practices, perspectives and strategies drawn from a diverse range of discipline areas complements students' undergraduate studies.

The first of its kind in Australia, this course allows students to gain exposure to real-world problems and collaborate with a diverse group of students, academics and industry partners, consolidating the course aims in their chosen area of study while developing the creativity, innovation and entrepreneurship skills sought by government, employers and society alike.

COMBINED DEGREES WITH THE BACHELOR OF CREATIVE INTELLIGENCE AND INNOVATION (25 OPTIONS)

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 24 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, as well as the ability to work on their own, across and between other disciplines. These creative intelligence competencies enable graduates to navigate across a rapidly changing world.

Course code: see table on next page
CRICOS code: see table on next page
Course duration: 4 years (5 years for students completing the BCII with the Bachelor of Engineering (Honours))
Number of credit points: 240 (270 for students completing the BCII with the Bachelor of Engineering (Honours))
Intake: see table on next page
Location: City
Fees: see table on next page
Academic and additional requirements: See page 132
English language requirements: See page 133

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.

Year 1
Professional Degree Subjects

July session
Problems to Possibilties

December session
Creative Practice and Methods

Year 2
Professional Degree Subjects

July session
Past, Present, Future Innovation

February session
Creativity and Complexity

Year 3
Professional Degree Subjects

July session
Leading Innovation

December session
Initiatives and Entrepreneurship

Year 4

Session 1 (March-June)
Envisioning Futures
Select From: Innovation Internship A or Speculative Start-Up
Innovation Capstone: Research and Development

Session 2 (August-November)
Professional Practice at the cutting edge
Innovation Internship B
Innovation Capstone: Realisation and Transformation

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.

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.

COMBINED DEGREES

Course code	Course name	Sessions	Fees per session	Intake	Location	CRICOS code
C10352	Bachelor of Advanced Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$18,280	March	City	088064A
C10353	Bachelor of Biomedical Physics Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March	City	088065M
C10326	Bachelor of Business Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079756C
C10377	Bachelor of Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,005	March	City	087781B
C10359	Bachelor of Communication (Digital and Social Media) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,005	March	City	088069G
C10376	Bachelor of Communication (Journalism) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$18,280	March	City	087780C
C10373	Bachelor of Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$18,280	March	City	087777J
C10374	Bachelor of Communication (Public Communication) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,005	March	City	087778G
C10375	Bachelor of Communication (Social and Political Sciences) Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,005	March	City	087779G
C10356	Bachelor of Design in Animation Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	088068G
C10325	Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,570	March	City	079755D
C10321	Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079751G
C10323	Bachelor of Design in Integrated Product Design Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079753F
C10322	Bachelor of Design in Interior and Spatial Design Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079752G
C10324	Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	079754E
C09076	Bachelor of Engineering (Honours) Bachelor of Creative Intelligence and Innovation Ⓦ	10	A$19,015	March, November	City	084097B
C10389	Bachelor of Forensic Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March	City	092383G
C10338	Bachelor of Laws Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$20,175	March	City	079765B
C10355	Bachelor of Management Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$16,565	March	City	088067J
C10354	Bachelor of Medicinal Chemistry Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March	City	088066K
C10351	Bachelor of Nursing Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,270	March	City	088063B
C10330	Bachelor of Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$17,930	March	City	079759M
C10327	Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$19,375	March, November	City	079757B
C10328	Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation Ⓦ	8	A$14,790	March	Moore Park	079758A

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.


5

UTS | INSEARCH
UNIVERSITY OF TECHNOLOGY SYDNEY

Providing pathways to UTS degrees

WHO IS UTS:INSEARCH?

UTS:INSEARCH is the pathway provider to the University of Technology Sydney (UTS) and an integral part of the UTS community.

The range of UTS:INSEARCH pathways that lead to a UTS degree include: leading Academic English programs, higher education diplomas and on behalf of UTS, UTS Foundation Studies. These programs are designed to prepare students for success in their university studies.

In preparation for their studies at UTS, over 3,000 students from around the world study at UTS:INSEARCH every year; with many going on to work in their dream careers.

UTS:INSEARCH offers pathways in the following areas of study:

> English
> UTS Foundation Studies
> Business
> Communication
> Design and Architecture
> Engineering
> Information Technology
> Science

* Based upon successful completion of your diploma with no more than two subject failures.

Source: UTS:INSEARCH 2016 Articulation Tracking Report

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 complete the diploma with no more than two subject failures. Depending on your chosen course, you can fast track into the second year of your chosen course at UTS.

2. Strong connection with UTS.
Academic courses are designed in collaboration with the corresponding UTS faculties.

3. High record of success.
Each year, over 90% of UTS:INSEARCH diploma graduates are eligible for direct entry into the 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.

8. Central location.
The campus is located in the city, next to UTS and major transport links.

Photos: 1 2 6 7 Andy Roberts 3 Edward Tran 4 Edward Tran 5 Anna Zhu

WHAT COURSES DOES UTS:INSEARCH OFFER?

UTS:INSEARCH ENGLISH PROGRAMS

English programs for all levels.
Whether you want to improve your general communication skills, pass an important exam or attend an English speaking university, we have the course for you. Choose from Academic English (AE), General English (GE) and IELTS Preparation courses.

Acquire the skills needed to succeed at university and in your career.
Academic English is not only about achieving success in English but also acquiring the skills you will need to succeed at university and beyond. From basic study skills to preparing for your first job interview, you will learn to become confident in academic, social or work situations.

We are the experts in English language education.
UTS:INSEARCH is a top English language provider in Australia with more than 25 years of English teaching experience.

The most advanced English curriculum on the market.
The curriculum addresses contemporary topics to ensure that our graduates have the most modern and wide-ranging vocabulary to communicate effectively in global conversation.

Move on to other pathways or university.
After completing various levels of English, move on to pathway programs including UTS Foundation Studies, UTS:INSEARCH diplomas and UTS undergraduate and postgraduate degrees.

Discover more about UTS:INSEARCH English Programs.
For all details about entry and articulation requirements for this program please visit **www.insearch.edu.au**

UTS FOUNDATION STUDIES

The UTS Foundation Studies program is the perfect preparation program for Australian university.

Designed for Year 11 graduates.
This program has been specifically designed to meet the needs of international students who have successfully completed their year 11 studies. It provides a pathway to UTS:INSEARCH diplomas, or for successful students, entry into the first year of a degree at UTS.

Get into most undergraduate degrees at UTS.
This program opens doors to a wide range of study options and career choices.

Get the most out of your studies with blended learning.
Benefit from a combination of using state-of the-art technology, traditional classroom teaching and online self-paced learning. This innovative approach will allow for a more engaging and interactive student experience that will help improve learning outcomes.

Acquire a broad education.
You will study a range of different subjects such as Mathematics/English/Technology, Society and Science all under the one program. This means that you will gain a solid knowledge and understanding across a broad range of disciplines.

Offered over 8 or 12 months.
The UTS Foundation Studies program is offered over 8 months (Standard) and 12 months (Extended). Entry into either program will be determined by a student's academic qualification at time of entry.

Discover more about the UTS Foundation Studies Program.
For all details about entry and articulation requirements for this program please visit **www.insearch.edu.au**

UTS Foundation Studies is delivered by UTS:INSEARCH on behalf of UTS. The UTS Foundation Studies program meets the requirements for foundation programs that have been registered on CRICOS for delivery in Australia, providing academic preparation for entry into first year undergraduate study to overseas students.

MEET SOME OF OUR GRADUATES

THUY KHA, VIETNAM

"Studying the Diploma of Design and Architecture really highlighted what my creative strengths were and the career direction that I want to go in. It helped me to build my confidence and gave me a strong foundation for studying at UTS."

Graduated from: UTS:INSEARCH Academic English, UTS:INSEARCH Diploma of Design and Architecture. Currently studying UTS Bachelor of Design (Visual Communication).

JIAN FENG, CHINA

"The class sizes at UTS:INSEARCH are relatively small, so we had opportunities to discuss topics in depth with our teachers who were approachable and always happy to answer questions. When it came to starting my engineering degree at UTS, I felt knowledgeable, confident and well prepared."

Graduated from: UTS Foundation Studies Physical Science and UTS:INSEARCH Diploma of Engineering. Currently studying UTS Bachelor of Engineering (Civil Engineering) Diploma in Professional Engineering Practice.

PAUL GIORDANO, AUSTRALIA

"I remember receiving my university entrance results, and I remember being disappointed, because it didn't allow me entry into the course I wanted. When I found out there was an option of overcoming not receiving the entrance results I needed, I was excited. Studying at UTS:INSEARCH definitely got me to where I am today."

Graduated from: UTS:INSEARCH Diploma of Business and UTS Bachelor of Business (Finance and Marketing). Currently Managing Director & Senior Financial Advisor at Vogue Financial Planning.

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 for direct entry to 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 complete the diploma with no more than two subject failures.

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 the 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.

Discover more about UTS:INSEARCH diplomas.
For all details about entry and articulation requirements for this program please visit **www.insearch.edu.au**

** Based upon successful completion of your diploma with no more than two subject failures.

^ Source: UTS:INSEARCH 2016 Articulation Tracking Report

WHICH PATHWAY IS RIGHT FOR YOU?

Pathway 1

HIGH SCHOOL	UTS:INSEARCH	UTS:INSEARCH	UTS
High School (Year 12)	Academic English Program (if required)^	UTS:INSEARCH Diploma 8, 12 or 16 months	UTS 1st or 2nd year* Bachelor Degree

Pathway 2

HIGH SCHOOL	UTS:INSEARCH	UTS:INSEARCH	UTS:INSEARCH	UTS
High School (Year 11)	Academic English Program (if required)^	UTS Foundation Studies 8 or 12 months	UTS:INSEARCH Diploma 8, 12 or 16 months	UTS 1st or 2nd year* Bachelor Degree

Pathway 3

HIGH SCHOOL	UTS:INSEARCH	UTS:INSEARCH	UTS
High School (Year 11)	Academic English Program (if required)^	UTS Foundation Studies (8 or 12 months)	UTS 1st year* Any Bachelor Degree#

^ Only for students who do not meet the Academic English requirements needed to enter a UTS:INSEARCH academic program.

* The point where you enter into the UTS degree will depend on your chosen major. Not all majors will take you into second year. Please refer to our website for full credit points.

Only for successful students

MAKE AN ENQUIRY WITH UTS:INSEARCH TODAY

www.insearch.edu.au

[T] **1800 896 994** (within Australia)
[T] **+61 2 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

9am–5pm
Monday – Friday

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

- UTSINSEARCHFAN
- UTS_INSEARCH
- UTSINSEARCH
- INSEARCH.EDU.AU/BLOG
- UTSINSEARCH
- 悉尼科技大学 INSEARCH
- uts_insearch
- UTS-INSEARCH
- UTS: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 140-149).

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 the entry requirements, you may wish to consider studying a UTS pathway course through UTS: Insearch (see page 128).

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. Successful completion of Brazil National High School Exam (ENEM): The ENEM score is out of 1000 and is the average score (equally weighted) of the four subject areas and essay writing. Results below an ENEM score of 500 are not assessed.

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 successful completion of Fiji year 13 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) (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.

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-, D+ 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.

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.

Singapore: Successful completion of the Singapore and Cambridge General Certificate of Education (GCE) Advanced Level.

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 have 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.

Sweden: Successful completion of the Swedish Secondary School Leaving Certificate.

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, B=3, C=2, D=1, F=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 evidence-based reading, writing and math) at competitive standards or an approved associateship 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 Islands
> 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 Advanced 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 evidence of medium of instruction 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 evidence of medium of instruction 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 191–199.
  - for courses requiring an IELTS academic overall score of 7.0 – Overall score of 185–190.
  - for courses requiring an IELTS academic overall score of 6.5 – Overall score of 176–184.
- A level 4 or above in the core subject English in the Hong Kong Diploma of Secondary Education (HKDSE) Examination.

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 less than two years prior to application at UTS.

Detailed below are the English language results required to meet UTS English language requirements for entry into the respective courses.

For all combined courses the highest English language requirement test scores apply.

Undergraduate coursework	IELTS (Academic Strand)	TOEFL (internet based)	PTE (Academic)	CAE
All Engineering and Information Technology courses	6.0 overall with a writing score of 6.0	60 – 78 overall with a writing score of 21	50 – 57	169 – 175
Bachelor of Nursing **Bachelor of Nursing Bachelor of Arts in International Studies**	6.5 overall with a writing score of 6.0	79 – 93 overall with a writing score of 21	Not applicable	Not applicable
Bachelor of Arts Bachelor of Education **Bachelor of Arts Bachelor of Education (Honours)** **Bachelor of Education Bachelor of Arts in International Studies**	7.5 overall, speaking and listening score of 8.0 and reading and writing score of 7.0	102 – 109 overall with speaking, listening, reading score of 23 – 27 and writing score of 24	73 – 78 overall, with speaking and listening 79, reading and writing 65	191 – 199 with a writing score of 185
Bachelor of Design (Honours) in Animation **Bachelor of Arts (Honours) in Communications** **Bachelor of Education (Honours) in Primary Education**	7.0 overall with a writing score of 7.0	94 – 101 overall with a writing score of 23	65 – 72	185 – 190
All other courses	6.5 overall with a writing score of 6.0	79 – 93 overall with a writing score of 21	58 – 64	176 – 184

For the most up-to-date information on English requirements visit www.uts.edu.au/future-students/international/essential-information/entry-requirements/
The above information is correct as of the publication date and is subject to change.

ENGLISH LANGUAGE TESTS AND PROGRAM DETAILS

Academic English Program Level 5 (AE5) and Level 6 (AE6)
The Academic English Level 5 (AE5) and Level 6 (AE6) Program are offered by INSEARCH as a pathway to UTS. The INSEARCH CRICOS provider number is 00859D.

www.insearch.edu.au/Courses/English

International English Language Testing System (IELTS)
ielts@uts.edu.au
www.ielts.uts.edu.au

Test of English as a Foreign Language (TOEFL)
If you sit the TOEFL test, you must arrange for the official score report to be sent directly to UTS.

The UTS institutional code for TOEFL is 0743.
www.ets.org/toefl

Pearson Test of English (PTE)
http://pearsonpte.com/test-takers
pte-acustomersupportapac@pearson.com
http://pearsonpte.com

Cambridge English: Advanced (CAE)
www.cambridgeenglish.org/help
www.cambridgeesol.org/exams/

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, 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 those students sponsored through aid programs (such as Australia 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.

2018 ACADEMIC CALENDAR

The UTS academic calendar includes three teaching periods. In 2018, Autumn session will run from 19 February to 30 June 2018, Spring session from 23 Jul to 10 November and Summer session from 19 November 2018 to 2 March 2019. This includes two compulsory Orientation weeks for Autumn session and one Orientation week for Spring session.

For courses that follow Calendar B, Autumn session will run from 19 February to 30 June 2018 and Spring session from 23 Jul to 1 December 2018. This includes one compulsory Orientation week in both Autumn and Spring sessions.

Our courses are scheduled to ensure students can progress through the standard Autumn and Spring teaching periods. UTS does not accept/offer an intake for commencing students in the 2018 Summer session.

1. COMPLETE THE APPLICATION FORM
All international students must complete an international student application form and either:

LODGE ONLINE:
Please visit **http://student.uts.apply.studylink.com**
Login and register to apply online.

or SUBMIT a PAPER-BASED application:
Download an application form from here
www.international.uts.edu.au

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 137)
- ☐ a portfolio* or personal statement# (where applicable)
- ☐ A$100 application fee. If this is not included, your application will not be processed.

ONLINE:
Scan your documents, save them to your computer and upload them with your online application at the "attach here" section.

Once your application is submitted online, you must copy your documents and send the certified† hard copies to UTS international. See the back cover for our postal and street address.

PAPER-BASED:
Copy your documents and submit certified† copies with your application form. See the back cover for our postal and street address.

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:
The application fee can be paid in one of the following ways:
> bank draft or bank cheque attached to your application form or
> by completing the credit card payment section in the application form

There are several ways to submit your application:
> Personally hand it in to UTS International (see back cover for our street address)
> Send your application by post (see the back cover for our postal address)
> Send your application by registered post or courier to our street address
> Submit your application to a UTS Representative at an education event.
> Submit your application to one of our worldwide agents or representatives. For their contact details, visit: **www.international.uts.edu.au**

APPLICATION CLOSING DATES:
Autumn session (February/March start)
Applicants based outside Australia: 30 November
Applicants based in Australia: 15 December

Spring session (Jul start)
Applicants based outside Australia: 30 April
Applicants based in Australia: 31 May

4. APPLICATION OUTCOME

ONLINE:
After submitting your application, you'll receive immediate acknowledgement by email.

PAPER-BASED:
You will receive an email acknowledging receipt of your application approximately one week after it has been received by UTS.

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, once we've received all of your documents. UTS International will advise you by email of your application outcome.

5i. REQUEST FOR ADDITIONAL INFORMATION
If your documents are insufficient for assessment, you will receive a request for additional information by email.

5ii. 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.

5iii. 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 (CoE) 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.

† See Certification of Documentation on page 137. * See page 137. # See page 137

SIMPLIFIED STUDENT VISA FRAMEWORK (SSVF)
UTS recruits international students into its degree courses under the SSVF arrangements of the Department of Immigration and Border Protection (DIBP). The SSVF is designed to make the process of applying for a student visa simpler for genuine students.

International students apply for a single Student visa (subclass 500) regardless of their chosen course of study. When you are granted a visa under SSVF you must continue to maintain enrolment in an eligible course, and continue to have sufficient financial capacity to support your study and stay in Australia.

All Student visa (subclass 500) holders must maintain enrolment at the same level or a higher Australian Qualification Framework (AQF) level for which they were granted a visa, unless they are undertaking a doctoral degree (AQF10) and transfer to a master's degree (AQF9). Transferring to a lower AQF level course or transferring from an AQF level course to a non-AQF Award course is a breach of the student visa condition and might result in the visa being cancelled.

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.border.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 that 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 manager

> 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 (approx. 500 words) 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

> mention anything else about you that will help us assess your application

* Students who apply for a design course may need to submit a portfolio. If required, you will be contacted with further details.

USEFUL LINKS & INFORMATION

Like UTS International on Facebook: **facebook.com/UTSInternationalstudents**

Follow UTS International on Instagram **@UTSint**

Follow UTS International on Weibo at **http://weibo.com/**

Airport shuttle service
UTS International offers a free 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/international/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 fun and informative Orientation program. **www.orientation.uts.edu.au**

Tuition Fees

Tuition fees vary between courses and range from approximately A$13,520 – A$20,175 per teaching session for undergraduate study in 2018. Tuition fees must be paid in advance each session. Textbooks and other course materials are additional expenses.

The fees for any session are determined by the number of credit points being undertaken in that session. Unless noted, the quoted session 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 session. Your actual session course cost may differ from this figure depending on the course and the number of credit points taken per session.

Fees listed are correct for 2018 only and subject to an increase each calendar year. All fees listed are for 24 credit points in a session unless otherwise stated.

For detailed information about tuition fees for UTS courses and the UTS Fees and Refund Protocol, visit:
www.uts.edu.au/future-students/international/essential-information/fees-information

Student Services and Amenities Fee

Australian Universities charge 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, 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 session in which you enrol and the fee will be due after the census date of each session. The SSAF is non-refundable after census date. To give you an estimate of the cost, in 2017 the SSAF was A$147 per session for full-time students (those with a study load of 18 credit points and above per session). 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

Health Cover

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, a pre-existing condition or the cost of admission to a private hospital or non-emergency ambulance service. Extra insurance is available to cover these additional expenses.

The annual cost arranged through Medibank Overseas Student Health Cover (OSHC) (Comprehensive) for single cover without extras in 2017 was A$306 for six months and A$612 for 12 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.

Course Summary Tables

To calculate your score, see pages 132-133

BUSINESS

Bachelor of Business

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects/3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10026	Accounting	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Economics	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Finance	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Human Resource Management	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	International Business	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Management	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Marketing	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30
C10026	Marketing Communication	6	$17,270	Mar/Jul	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	006487A	30

Bachelor of Management

C10342	Management	6	$16,565	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	084784A	32

Bachelor of Economics

C10348	Economics	6	$17,270	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	086359B	31

Honours Courses

C09004	Bachelor of Business (Honours)	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	015933J	-
C09081	Bachelor of Management (Honours)	2	$16,565	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	085890B	-

Combined Degrees - Bachelor of Business

C10020	Bachelor of Business Bachelor of Arts in International Studies	10	$17,270	Mar	81.5	16/14	11	68 (GPA 2.7)	3.1	17	84	13	28	1150	026187C	96
C09070	Bachelor of Engineering (Honours) Bachelor of Business	10	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084091G	-
C10125	Bachelor of Business Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	008756B	-
C10162	Bachelor of Science Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	032310K	-
C10163	Bachelor of Medical Science Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	040712C	-
C10169	Bachelor of Biotechnology Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	041436K	-
C10219	Bachelor of Business Bachelor of Science in Information Technology	8	$19,375	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	047835B	-
C10386	Bachelor of Economics Bachelor of Laws	10	$20,175	Mar/Jul	81.50	16/14	11	68 (GPA 2.7)	3.1	17	84	13	28	1150	092380K	-
C10326	Bachelor of Business Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	85.95	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	079756C	125

Combined Degrees – Bachelor of Management and Bachelor of Arts in International Studies

C10343	Bachelor of Management Bachelor of Arts in International Studies	10	$16,565	Mar	75.15	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	084785M	96
C10355	Bachelor of Management Bachelor of Creative Intelligence and Innovation	8	$16,565	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	088067J	125

Note: Fees listed are correct for 2018 only and are subject to an increase each calendar year. The published fee is based on 24 credit points per session. Please see UTS website for fee details.

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To calculate your score, see pages 132-133

COMMUNICATION

Bachelor of Arts in Communication

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects/3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10361	Journalism	6	$18,280	Mar/Jul	77	15/13	8	62 (GPA 2.5)	3	16	81	11.5	26	1110	087733K	39
C10362	Media Arts and Production	6	$18,280	Mar/Jul	75.1	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	087734J	40
C10363	Public Communication	6	$16,005	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	087735G	40
C10364	Social and Political Science	6	$16,005	Mar/Jul	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	087736G	41
C10369	Creative Writing	6	$16,005	Mar/Jul	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	087737F	38
C10371	Digital and Social Media	6	$16,005	Mar/Jul	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	087738E	38

Bachelor of Music and Sound Design

C10276	Music and Sound Design	6	$18,280	Mar	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	092409B	42

Honours Courses

C09047	Bachelor of Communication (Honours)#	2	$16,005	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	088589E	-

Combined Degrees – Bachelor of Communication and Bachelor of Arts in International Studies

C10365	Journalism	10	$18,280	Mar	80.05	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	087763D	96
C10366	Media Arts and Production	10	$18,280	Mar	76.60	15/13	8	60 (GPA 2.4)	3.0	15	80	11.5	26	1100	087764C	96
C10367	Public Communication	10	$16,005	Mar	79.65	16/13	10	64 (GPA 2.6)	3.1	16	82	12.5	27	1130	087765B	96
C10368	Social and Political Sciences	10	$16,005	Mar	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	087766A	96
C10370	Creative Writing	10	$16,005	Mar	75.95	15/12	8	58 (GPA 2.3)	2.9	15	79	11	26	1090	087767M	96
C10372	Digital and Social Media	10	$16,005	Mar	72.1	14/12	6	54 (GPA 2.2)	2.8	14	77	10	24	1070	087768K	96

Combined Degrees – Bachelor of Communication and Bachelor of Laws

C10378	Creative Writing	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087782A	-
C10379	Digital and Social Media	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087783M	-
C10380	Journalism	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087786G	-
C10381	Media Arts and Production	10	$20,175	Mar/Jul	92.2	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087787G	-
C10382	Public Communication	10	$20,175	Mar/Jul	92.25	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087788F	-
C10383	Social and Political Sciences	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	087789E	-

Combined Degrees – Bachelor of Music and Sound Design Bachelor of Arts in International Studies

C10277	Bachelor of Music and Sound Design Bachelor of Arts in International Studies	10	$18,280	Mar	70.3	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	092410J	96

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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Course Summary Tables

To calculate your score, see pages 132-133

DESIGN, ARCHITECTURE AND BUILDING

Bachelor of Construction

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects/3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10214	Construction Project Management	8	$15,000	Mar	81.50	16/14	11	68 (GPA 2.7)	3.1	17	84	13	28	1150	044183B	46

Bachelor of Design#

C10273	Animation	6	$17,270	Mar	79.40	16/13	10	64 (GPA 2.6)	3.1	16	82	12.5	27	1130	074703A	47
C10004	Architecture	6	$17,570	Mar	86	18/15	14	76 (GPA 3.0)	3.3	18	88	15	30	1210	044179J	47
C10306	Fashion and Textiles	6	$17,270	Mar	83.50	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	077334G	48
C10304	Product Design	6	$17,270	Mar	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	077331M	49
C10271	Interior Architecture	6	$17,270	Mar	76.25	15/13	8	60 (GPA 2.4)	3	15	80	11.5	26	1100	071631C	49
C10265	Photography	6	$17,270	Mar	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	093240C	50
C10308	Visual Communication	6	$17,270	Mar	84.70	17/15	13	72 (GPA 2.9)	3.2	18	87	14	30	1180	077339C	51
C10341	Bachelor of Landscape Architecture	8	$17,570	Mar	79.50	16/13	10	64 (GPA 2.6)	3.1	16	82	12.5	27	1130	080269G	51

Bachelor of Property Economics

C10310	Bachelor of Property Economics	6	$15,000	Mar	76	15/13	8	60 (GPA 2.4)	3	15	80	11.5	26	1100	079553C	52

Honours Courses

C09048	Bachelor of Design (Honours) in Architecture	2	$17,570	Mar	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	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	093241B	-
C09055	Bachelor of Design (Honours) in Interior Architecture	2	$17,270	Mar	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	$17,270	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	079560D	-
C09060	Bachelor of Design (Honours) in Fashion and Textiles	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	077330A	-
C09061	Bachelor of Design (Honours) in Visual Communication	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	077340K	-
C09056	Bachelor of Design (Honours) in Animation	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	074705K	-
C09059	Bachelor of Design (Honours) in Product Design	2	$17,270	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	077332K	-
C09063	Bachelor of Property Economics (Honours)	2	$15,000	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	079555A	-

Combined Degrees – Bachelor of Design and Bachelor of Arts in International Studies#

C10274	Animation	10	$17,270	Mar	84.35	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	074704M	96
C10307	Fashion and Textile Design	10	$17,270	Mar	85.1	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	077338D	96
C10305	Product Design	10	$17,270	Mar	85.35	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	077333J	96
C10272	Interior Architecture	10	$17,270	Mar	83.4	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	071646G	96
C10309	Visual Communication	10	$17,270	Mar	88.35	18/16	15	80 (GPA 3.2)	3.4	19	90	15.5	31	1230	077341J	96
C10266	Photography	10	$17,270	Mar	85.5	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	093242A	96

Combined Degree – Bachelor of Construction Project Management Bachelor of Arts in International Studies

C10215	Construction Project Management	12	$15,000	Mar	85.9	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	047836A	96

Combined Degree – Bachelor of Property Economics Bachelor of Arts in International Studies

C10320	Property Economics	10	$15,000	Mar	84.15	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	079556M	96

Bachelor of Design (Animation, Architecture, Fashion and Textiles, Product Design, Interior Architecture, Landscape Architecture, Photography, Visual Communication) applicants may be required to submit a portfolio and a personal statement.

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To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects/3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
EDUCATION																
Bachelor of Education																
C10350	Bachelor of Arts Bachelor of Education	8	$15,145	Feb	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	087949E	56
Combined Degree																
C10349	Bachelor of Education Bachelor of Arts in International Studies	10	$15,145	Feb	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	087950A	96
ENGINEERING																
Bachelor of Engineering (Honours)																
C09066	Biomedical	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Civil	8	$20,175	Mar/Jul	82.9	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	29	1160	084098A	60
C09066	Civil (with Construction specialisation)	8	$20,175	Mar/Jul	82.20	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	28	1160	084098A	60
C09066	Civil (with Structures specialisation)	8	$20,175	Mar/Jul	83.05	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	084098A	60
C09066	Civil and Environmental	8	$20,175	Mar/Jul	82.30	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	29	1160	084098A	60
C09066	Electrical	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Electronic	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Software	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Data	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Mechanical	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Mechanical and Mechatronic	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084098A	60
C09066	Mechatronic	8	$20,175	Mar/Jul	77.05	15/13	8	62 (GPA 2.5)	3.0	16	81	11.5	26	1110	084098A	60
C09066	Flexible (no specified major)	8	$20,175	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	26	1110	084098A	60
Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice																
C09067	Biomedical	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Civil	10	$20,175^	Mar/Jul	82.90	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	29	1160	084099M	64
C09067	Civil (with Construction specialisation)	10	$20,175^	Mar/Jul	82.2	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	28	1160	084099M	64
C09067	Civil (with Structures specialisation)	10	$20,175^	Mar/Jul	85.15	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084099M	64
C09067	Civil and Environmental	10	$20,175^	Mar/Jul	82.3	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	29	1160	084099M	64
C09067	Electrical	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Electronic	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Software	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Data	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Mechanical	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Mechanical and Mechatronic	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Mechatronic	10	$20,175^	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084099M	64
C09067	Flexible (no specified major)	10	$20,175^	Mar/Jul	77.05	15/13	8	62 (GPA 2.5)	3.0	16	81	11.5	26	1110	084099M	64

^ This published fee is based on 24 credit points per session. During the Diploma year the fee per session is based on 18 credit points.

Note: Fees listed are correct for 2018 only and are subject to an increase each calendar year. The published fee is based on 24 credit points per session. Please see UTS website for fee details.

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To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects/3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
ENGINEERING (CONTINUED)																
Bachelor of Engineering Science																
C10066	Civil	6	$19,015	Mar/Jul	85.30	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	033909D	69
C10066	Electrical	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
C09076	Electronic	6	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084097B	69
C10066	Software	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
C10066	Data	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
C10066	Mechanical	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
C10066	Flexible (no specified major)	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
C10066	Mechatronic	6	$19,015	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	033909D	69
Combined Degrees																
C09070	Bachelor of Engineering (Honours) Bachelor of Business	10	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084091G	-
C09074	Bachelor of Engineering (Honours) Bachelor of Medical Science	10	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084095D	-
C09072	Bachelor of Engineering (Honours) Bachelor of Science	10	$19,015	Mar	77	15/13	8	62 (GPA 2.5)	3	16	81	11.5	26	1110	084093F	-
C09068	Bachelor of Engineering (Honours) Bachelor of Arts in International Studies	10	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084089B	96
C10136	Bachelor of Engineering Science Bachelor of Laws	11	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	040713B	-
C09076	Bachelor of Engineering (Honours) Bachelor of Creative Intelligence and Innovation	10	$19,015	Mar	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084097B	125
HEALTH																
C10300	Bachelor of Sport and Exercise Science	6	$14,790	Mar	84	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	080087C	78
C10301	Bachelor of Sport and Exercise Management	6	$14,790	Mar	80.25	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	080086D	78
C10122	Bachelor of Nursing#	6	$17,270	Mar	79.20	16/13	10	64 (GPA 2.6)	3.1	16	82	12.5	27	1130	019877B	75
C10360	Bachelor of Health Science	6	$14,790	Mar	70.3	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	088070C	74
Honours Courses																
C09057	Bachelor of Sport and Exercise Science (Honours)	2	$14,790	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	043289M	-
C09018	Bachelor of Nursing (Honours)	2	$17,270	Mar/Jul*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	015936F	-
Combined Degrees																
C10302	Bachelor of Sport and Exercise Science Bachelor of Arts in International Studies	10	$14,790	Mar	89.80	18/16	15	80 (GPA 3.2)	3.4	19	91	16	32	1240	080084F	96
C10303	Bachelor of Sport and Exercise Management Bachelor of Arts in International Studies	10	$14,790	Mar	90.2	19/16	16	82 (GPA 3.3)	3.4	19	92	16.5	32	1260	080085E	96
C10123	Bachelor of Nursing Bachelor of Arts in International Studies	10	$17,270	Mar	87.10	18/16	14	78 (GPA 3.1)	3.3	19	89	15.5	30	1220	026198M	96

Admission requirements: For applicants applying for the 2yr BN program with 24 credit point recognition, their degree must have been completed within eight years of their commencement of the program and must be a health-related degree. All other applicants must meet the requirements for admission to a bachelor program.

* Mid-year (Jul) intake may be considered on a case-by-case basis by the faculty.

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To calculate your score, see pages 132-133

INFORMATION TECHNOLOGY

Bachelor of Science

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10148	Information Technology	6	$19,375	Mar/Jul	78	16/13	9	62 (GPA 2.5)	3	16	82	12	26	1120	040941A	86
C10345	Bachelor of Science in Information Technology Diploma in Information Technology Professional Practice	8	$19,375	Mar/Jul	77	15/13	8	62 (GPA 2.5)	3.0	16	81	11.5	26	1110	084259M	89
C10229	Games Development	6	$19,375	Mar	84.40	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	057197M	86

Honours Courses

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C09019	Bachelor of Science (Honours) in Information Technology	2	$19,375	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	046619G	-
C09119	Bachelor of Computing Science (Honours)	8	$19,375	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	092896D	82

Combined Degrees

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10219	Bachelor of Business Bachelor of Science in Information Technology	8	$19,375	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	047835B	-
C10239	Bachelor of Science in Information Technology Bachelor of Arts in International Studies	10	$19,375	Mar	77.8	15/13	8	62 (GPA 2.5)	3.0	16	81	11.5	26	1110	059726G	96
C10245	Bachelor of Science in Information Technology Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	064382G	-
C10327	Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation	8	$19,375	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	079757B	125

INTERNATIONAL STUDIES

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10264	Bachelor of Global Studies	6	$15,320	Mar	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	06 3940A	96

LAW

Bachelor of Laws

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10124	Law	8	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	013614G	100

Combined Degrees

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10129	Bachelor of Laws Bachelor of Arts in International Studies	10	$20,175	Mar	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	026195C	96
C10125	Bachelor of Business Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	008756B	-
C10136	Bachelor of Engineering Science Bachelor of Laws	11	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	040713B	-
C10131	Bachelor of Medical Science Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	025797G	-
C10126	Bachelor of Science Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	009473E	-
C10245	Bachelor of Science in Information Technology Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	064382G	-
C10391	Bachelor of Forensic Science Bachelor of Laws	10	$20,175	Mar/Jul	92.15	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	092384F	-

Combined Degrees – Bachelor of Communication and Bachelor of Laws

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects / 3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
C10378	Creative Writing	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	087782A	-
C10379	Digital and Social Media	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	087783M	-
C10380	Journalism	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	087786G	-
C10381	Media Arts and Production	10	$20,175	Mar/Jul	92.2	19/17	17	86 (GPA 3.4)	3.5	21	93	17	34	1920	087787G	-
C10382	Public Communication	10	$20,175	Mar/Jul	92.25	19/17	17	86 (GPA 3.4)	3.5	21	93	17	34	1920	087788F	-
C10383	Social and Political Sciences	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1920	087789E	-

Note: Fees listed are correct for 2018 only and are subject to an increase each calendar year. The published fee is based on 24 credit points per session.
Please see UTS website for fee details.

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To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects /3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
SCIENCE																
C10115	Bachelor of Biomedical Science	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	026805D	106
C10172	Bachelor of Biotechnology	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	026806C	107
C10387	Bachelor of Forensic Science - Digital Forensics major is only for Autumn session entry.	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	092381J	109
C10186	Bachelor of Health Science in Traditional Chinese Medicine	8	$16,895	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	023606B	110
C10384	Bachelor of Science in Analytics	6	$16,895	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	088438J	117
C10184	Bachelor of Medical Science	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	023607A	112
C10228	Bachelor of Marine Biology	6	$17,930	Mar/Jul	72.8	16/14	6	54 (GPA 2.2)	2.8	14	77	10	25	1070	079735G	111
C10223	Bachelor of Environmental Biology	6	$17,930	Mar/Jul	72.25	16/14	6	54 (GPA 2.2)	2.8	14	77	10	24	1070	079561C	108
C10275	Bachelor of Medicinal Chemistry	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084274A	112
C10346	Bachelor of Biomedical Physics	6	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084271D	105
Bachelor of Advanced Science																
C10347	Advanced Materials and Data Science	6	$18,280	Mar/Jul[#]	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084270E	105
C10347	Environmental Biotechnology	6	$18,280	Mar/Jul[#]	85	17/15	14	74 (GPA3.0)	3.3	18	87	14.5	30	1190	084270E	105
C10347	Infection and Immunity	6	$18,280	Mar/Jul[#]	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084270E	104
C10347	Pre-Medicine	6	$18,280	Mar/Jul	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084270E	105
Bachelor of Science																
C10242	Applied Chemistry	6	$17,930	Mar/Jul	72	14/12	6	54 (GPA 2.2)	2.9	15	78	10.5	25	1090	040705B	113
C10242	Applied Physics	6	$17,930	Mar/Jul	71.2	13/12	5	52 (GPA 2.1)	2.8	14	76	9.5	24	1060	040705B	113
C10242	Biomedical Science	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	Biotechnology	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	Chemical Science	6	$17,930	Mar/Jul	72	14/12	6	54 (GPA 2.2)	2.8	14	77	10	24	1070	040705B	113
C10242	Environmental Sciences	6	$17,930	Mar/Jul	71.35	13/12	5	52 (GPA 2.1)	2.9	14	77	10	25	1070	040705B	113
C10242	Mathematics	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	Medical and Molecular Biosciences	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	Medical Science	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	Nanotechnology	6	$17,930	Mar/Jul	71.55	13/12	5	52 (GPA 2.1)	2.8	14	76	9.5	24	1060	040705B	113
C10242	Physics and Advanced Materials	6	$17,930	Mar/Jul	72	14/12	6	54 (GPA 2.2)	2.8	14	77	10	24	1070	040705B	113
C10242	Statistics	6	$17,930	Mar/Jul	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	040705B	113
C10242	No specified major	6	$17,930	Mar/Jul	74.15	14/12	7	58 (GPA 2.3)	2.9	15	78	10.5	25	1090	040705B	113
Honours Courses																
C09020	Bachelor of Science (Honours) in Mathematics	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	017876G	-
C09099	Bachelor of Science (Honours) in Analytics	2	$16,895	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	088440D	-
C09022	Bachelor of Biotechnology (Honours)	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	043283F	-
C09023	Bachelor of Science (Honours) in Biomedical Science	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	043284E	-
C09026	Bachelor of Science (Honours) in Applied Chemistry	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	040707M	-
C09029	Bachelor of Science (Honours) in Environmental Sciences	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	022683G	-

[#] Mid-year (Jul) intake may be considered on a case-by-case basis by the faculty.

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To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects /3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
SCIENCE (CONTINUED)																
C09031	Bachelor of Medical Science (Honours)	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	040706A	-
C09035	Bachelor of Science (Honours) in Applied Physics	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	040708K	-
C09046	Bachelor of Science (Honours) in Nanotechnology	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	059184M	-
C09050	Bachelor of Forensic Science (Honours) in Applied Chemistry	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	061247E	-
C09078	Bachelor of Biomedical Physics (Honours)	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	084272C	-
C09077	Bachelor of Medicinal Chemistry (Honours)	2	$17,930	Mar/Jul	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	084273B	-
Combined Degrees																
C10169	Bachelor of Biotechnology Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	041436K	-
C10388	Bachelor of Forensic Science Bachelor of Arts in International Studies	10	$17,930	Mar	83.95	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	092382G	96
C10385	Bachelor of Science in Analytics Bachelor of Arts in International Studies	10	$16,895	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	088439G	96
C10167	Bachelor of Medical Science Bachelor of Arts in International Studies	10	$17,930	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	043287B	96
C10163	Bachelor of Medical Science Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	040712C	-
C10243	Bachelor of Science Bachelor of Arts in International Studies	10	$17,930	Mar	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	026202J	96
C10162	Bachelor of Science Bachelor of Business	8	$17,930	Mar/Jul	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	032310K	-
C09072	Bachelor of Engineering (Honours) Bachelor of Science	10	$19,015	Mar	77	15/13	8	62 (GPA 2.5)	3	16	81	11.5	26	1110	084093F	-
C09074	Bachelor of Engineering (Honours) Bachelor of Medical Science	10	$19,015	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	084095D	-
C10126	Bachelor of Science Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	009473E	-
C10131	Bachelor of Medical Science Bachelor of Laws	10	$20,175	Mar/Jul	92	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	025797G	-
C10391	Bachelor of Forensic Science Bachelor of Laws	10	$20,175	Mar/Jul	92.15	19/17	17	86 (GPA 3.4)	3.5	21	93	17	33	1290	092384F	
TRANSDISCIPLINARY INNOVATION																
Bachelor of Creative Intelligence and Innovation																
C10390	Bachelor of Technology and Innovation	6	$15,320	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	092522A	124
Diploma in Innovation																
C20060	Diploma in Innovation	2	$16,280	Mar	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	092521B	124
Combined Course – Bachelor of Creative Intelligence and Innovation																
C10321	Bachelor of Design in Fashion and Textiles Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	85.50	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	079751G	125
C10322	Bachelor of Design in Interior Architecture Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	84.05	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	079752G	125
C10323	Bachelor of Design in Product Design Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	77.05	15/13	8	62 (GPA 2.5)	3	16	81	11.5	26	1110	079753F	125

Note: Fees listed are correct for 2018 only and are subject to an increase each calendar year. The published fee is based on 24 credit points per session. Please see UTS website for fee details.

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To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Semesters)	Course Fee (A$/Semester)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects /3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
TRANSDISCIPLINARY INNOVATION (CONTINUED)																
C10324	Bachelor of Design in Visual Communication Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	86.7	18/15	14	76 (GPA 3.0)	3.3	18	88	15	30	1210	079754E	125
C10325	Bachelor of Design in Architecture Bachelor of Creative Intelligence and Innovation	8	$17,570	Mar	88	18/16	15	80 (GPA 3.2)	3.4	19	90	15.5	31	1230	079755D	125
C10326	Bachelor of Business Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	85.95	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	079756C	125
C10327	Bachelor of Science in Information Technology Bachelor of Creative Intelligence and Innovation	8	$19,375	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	079757B	125
C10328	Bachelor of Sport and Exercise Science Bachelor of Creative Intelligence and Innovation	8	$14,790	Mar	77.9	15/13	8	62 (GPA 2.5)	3.0	16	81	11.5	26	1110	079758A	125
C10330	Bachelor of Science Bachelor of Creative Intelligence and Innovation	8	$17,930	Mar	70	13/11	5	50 (GPA 2.0)	2.7	14	75	9	24	1050	079759M	125
C10389	Bachelor of Forensic Science Bachelor of Creative Intelligence and Innovation	8	$17,930	Mar	89.35	18/16	15	80 (GPA 3.2)	3.4	19	91	16	32	1240	092383G	125
C10373	Bachelor of Arts in Communication (Media Arts and Production) Bachelor of Creative Intelligence and Innovation	8	$18,280	Mar	86.9	18/15	14	76 (GPA 3.0)	3.3	18	88	15	30	1210	087777J	125
C10374	Bachelor of Communication (Public Communication) Bachelor of Creative Intelligence and Innovation	8	$16,005	Mar	84.35	17/15	13	72 (GPA 2.9)	3.2	18	87	14	29	1180	087778G	125
C10375	Bachelor of Communication (Social and Political Sciences) Bachelor of Creative Intelligence and Innovation	8	$16,005	Mar	75	15/12	8	58 (GPA 2.3)	2.9	15	79	11	25	1090	087779G	125
C10376	Bachelor of Communication (Journalism) Bachelor of Creative Intelligence and Innovation	8	$18,280	Mar	82.70	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	29	1160	087780C	125
C10377	Bachelor of Communication (Creative Writing) Bachelor of Creative Intelligence and Innovation	8	$16,005	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	087781B	125
C10338	Bachelor of Laws Bachelor of Creative Intelligence and Innovation	8	$20,175	Mar	92.30	19/17	17	86 (GPA 3.4)	3.5	21	93	17	34	1290	079765B	125
C10351	Bachelor of Nursing Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	83.10	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	088063B	125
C10352	Bachelor of Advanced Science Bachelor of Creative Intelligence and Innovation	8	$18,280	Mar	90	19/16	16	82 (GPA 3.3)	3.4	19	92	16.5	32	1260	088064A	125
C10353	Bachelor of Biomedical Physics Bachelor of Creative Intelligence and Innovation	8	$17,930	Mar	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	088065M	125
C10354	Bachelor of Medicinal Chemistry Bachelor of Creative Intelligence and Innovation	8	$17,930	Mar	82	16/14	11	68 (GPA 2.7)	3.1	17	85	13.5	28	1160	088066K	125
C10355	Bachelor of Management Bachelor of Creative Intelligence and Innovation	8	$16,565	Mar	80	16/14	10	66 (GPA 2.6)	3.1	17	83	13	27	1140	088067J	125
C10356	Bachelor of Design in Animation Bachelor of Creative Intelligence and Innovation	8	$17,270	Mar	83	17/14	12	70 (GPA 2.8)	3.2	17	86	14	29	1170	088068G	125
C10359	Bachelor of Communication (Digital and Social Media) Bachelor of Creative Intelligence and Innovation	8	$16,005	Mar	86	18/15	14	76 (GPA 3.0)	3.3	18	88	15	30	1210	088069G	125
C09076	Bachelor of Engineering (Honours) Bachelor of Creative Intelligence and Innovation	10	$19,015	Mar	85	17/15	14	74 (GPA 3.0)	3.3	18	87	14.5	30	1190	084097B	125

To calculate your score, see pages 132-133

Course Code	Course Name	Course Duration (Session)	Course Fee (A$/Session)	Course Intake	ATAR	GCE A Level (UK) (Best 4 A Level subjects /3 A Level subjects only)	STPM (3 AL Subjects)	Matayom 6	Senior High School Diploma (S Korea)	HKDSE	ISC (India)	AISSC (India)	IB	SAT 1	CRICOS Code	Page Number
STUDY ABROAD PROGRAM																
C50006	Study Abroad Undergraduate Program (1 session)	1	$9,888	Mar/Jul	**Minimum Entry Requirements:** Successful completion of one full year of study at a recognised university.										012083D	-
C50006	Study Abroad Undergraduate Program (2 sessions)	2	$9,888	Mar/Jul	**Minimum Entry Requirements:** Successful completion of one full year of study at a recognised university.										018126E	-
C50009	Australian Language and Culture Studies Program (1 session)	1	$9,888	Mar	**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 sessions at UTS if they meet the English language proficiency level of IELTS 5.0 - 6.0 or equivalent.										012083D	-
C50009	Australian Language and Culture Studies Program (2 sessions)	2	$9,888	Mar	**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 sessions at UTS if they meet the English language proficiency level of IELTS 5.0 - 6.0 or equivalent.										018126E	-

Note: Fees listed are correct for 2018 only and are subject to an increase each calendar year. The published fee is based on 24 credit points per session. Please see UTS website for fee details.

Glossary

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 pages 132-133 and pages 140-149 for further information or entry requirements specific to your course.

Bridging course: a course offered as 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, e.g. 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 session, 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.border.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 138.

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 session. 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 pages 133-135 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 session in 2018, 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.

Sessions: the blocks of time during which classes run on campus. At UTS, an academic year has three sessions. The Autumn session runs from February / March to Jul, the Spring session from Jul 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 or 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.

NOTES

CONTACT UTS

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

www.international.uts.edu.au

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