Engineering
Undergraduate Courses 2020
Why engineering at UTS?

Experience the UTS difference.

INDUSTRY FOCUSED LEARNING
Nothing prepares you better than real industry experience. That's why we offer hands-on, practice-based learning that cultivates exceptional engineers. And you couldn't study in a better location with 40% of Australia's tech start-up head offices calling our neighbourhood home.

FUTURE-READY
Theory is great, but hands-on experience will make sure you're future ready. Our industry partnerships enable us to offer you working knowledge throughout your degree. And you'll study in world-class, purpose-built teaching spaces and laboratories.

CONNECTIONS THAT COUNT
Would access to more than 1,000 companies help your career to boom? Of course it would. UTS also has its internship team to help you turn access into valuable work experience. It's this type of know-how that sets you apart from your peers when you graduate.

THE WORLD IS WATCHING
Put yourself in the right place from day one. We may be young, but we're making our mark quickly. Among universities under the age of 50, UTS is already the No. 1 ranked university in Australia and No. 10 in the world.

EXPAND YOUR HORIZONS
Every door in the world is open to you right now and we want you to keep it that way. Use our Global Exchange, International Studies course or Beyond UTS International Leadership Development (BUILD) program with its overseas volunteering placements, to lay down the foundations for a global career.

DO IT YOUR WAY
We get it, you can’t hit ‘pause’ on life when you start university. Find the timetable that suits you with our day/evening classes, summer school and part-time study options.

ENGINEER FROM DAY ONE
Step one listen, step two do. Engineering subjects are delivered by industry professors who understand the importance of practice. Be an engineer from the start, applying your skills to real industry challenges, studios and hackathons.
256 exchange agreements in 43 countries

Top 100
Globally for graduate employability
(QS Graduate employability Rankings 2019)

5 star rated
for excellence

UTS ranked Australia’s #1 young* uni

UTS Engineering Research
Rated world standard or above
Excellence in Research Australia by the Australian Research Council in the 2015

Top 200 universities globally
QS World University Rankings 2019 and Times Higher Education World University Rankings 2019

UTS was awarded 5 stars in all 7 categories by QS World University Rankings

NO.1
World-class facilities

ENGINEERING AND IT BUILDING
Every space in the building is designed to turn traditional learning on its head to embed technology and enhance creativity, entrepreneurship and collaboration. Digitally equipped classrooms, collaborative theatres and study spaces adapt to support group work, technology-enabled activities and practice-based learning.

UTS DATA ARENA
Data comes to life in the building’s interactive 3D UTS Data Arena. It is a 3D data visualisation arena showcasing the latest in immersive technology. It enables a unique method for the exploration and visualisation of data. The facility allows researchers to observe interrelationships, patterns and anomalies not normally seen in 2D format.

PROTOSPACE
A 900m² additive and advanced manufacturing facility that actively supports education, exploration and innovation. This unique lab is unlocking the next generation of manufacturing opportunities, giving UTS students access to cutting-edge 3D technologies, software and technical expertise.

LABORATORIES
Whatever engineering field you’ve got your eye on, we’ve got fully specced-up lab spaces to hone your skills. The building contains civil, electrical, information and communication technology, and mechanical laboratories, where you can gain hands-on, practical experience.

TECH LAB
A brand new research facility that brings together transdisciplinary research on a large scale with a focus on developing and applying new techniques around digital transformation and IoT.

LEARNING PRECINCT
In between classes, you can study or conduct group work in the FEIT Learning Precinct, where you can also access teachers for support, get your hands on reference material and other resources.

The building is a living, breathing laboratory, embedded with revolutionary technology and purpose-built to spark creativity and collaboration. Everything you need to take on tomorrow is right here, all under one roof.
SOFTWARE DEVELOPMENT STUDIO
A rich environment to become professionally competent via a collaborative industry software development experience.

UTS LIBRARY
The library has expanded to include an underground storage system that uses robots to retrieve books, freeing library space for student collaboration and quiet study. This upgrade is part of the UTS City Campus Master Plan, a $1 billion investment to re-develop UTS.

UTS STARTUPS
UTS Startups includes an entrepreneurship program designed to give you start-up skills and provide you with access to resources that help launch the entrepreneurs of the future. Learn more at startups.uts.edu.au
When you choose to study at the UTS Faculty of Engineering and IT, you get to experience the best of both worlds - a great degree and the chance to complete internships alongside your course.

The Diploma in Professional Engineering Practice is a 48-week structured Practice Program, consisting of two 6-month internships alongside your engineering course. You graduate with practical, hands-on experience, to give you a competitive edge when you finish uni.

**GAIN REAL-WORLD EXPERIENCE**
Internships are structured programs that give you valuable hands-on work experience. You get to see how the technical knowledge you learn at uni is applied in practice. It’s the perfect way to explore the world of work to learn more about the type of job options and career paths available to you.

**DEVELOP EFFECTIVE SOFT SKILLS**
Working in a professional environment is much more than applying what you’re learning at uni; it’s also a chance to develop your soft skills in the workplace. Skills such as teamwork, communication, time management, adaptability, and problem solving are all traits that potential employers look for and can help you land a job.

**BUILD VALUABLE NETWORKS**
An internship as part of your UTS Engineering or IT degree is a chance to make valuable connections and start building your industry network. Your internship work colleagues may become lasting contacts who let you know about potential job opportunities and act as your mentors and referees in the future.

**CREATE A JOB-WINNING RESUME**
Completing internship programs as part of your UTS degree means you’re able to offer something different on your resume by including your industry-relevant work experience. It’s a sure-fire way to get you noticed by potential employers when looking for that all important first job out of uni.

**Build the foundations for a successful career**
Our 1000+ industry partners will drive employment in the technology industry for years to come. Their feedback reveals that they are looking for students with relevant skills and work experience who show they can adapt to a workplace and deliver on projects.
Internship FAQs

We’ve covered your top questions on the Diploma in Professional Engineering Practice.

Q. WHAT IS THE DIPLOMA IN PROFESSIONAL ENGINEERING PRACTICE?
It is a 48-week structured Practice Program, consisting of two six-month internships during students’ engineering course. It’s a compulsory component for all domestic students enrolled in a single professional engineering course.

Q. OTHER UNIVERSITIES REQUIRE STUDENTS TO COMPLETE THREE MONTHS EXPERIENCE, ISN’T THAT ENOUGH?
Developing complex engineering expertise can take a long time, typically 3-4 years post-graduation. The longer your internship, the greater exposure you’ll have to the realities of the engineering world and the measures taken to tackle complex projects.

You’ll complete two internships, one as early as second year and the other in fourth year, a total of 12 months, which will give you a distinct advantage at a job interview (if you haven’t already stitched up employment in your second internship).

Q. WHAT SUPPORT DO I HAVE SECURING AN INTERNSHIP?
The careers team are available to assist you with your job search. We maintain links with more than 1000 organisations offering both scholarships and internships, the latter being advertised on our in-house jobs portal, CareerHub. We also offer opportunities to find mentors, meet contacts, and build networks that will prove invaluable in your career.

Q. HOW MANY HOURS SHOULD I COMMIT TO MY INTERNSHIP?
An internship is similar to a full-time job. You’ll be expected to commit to the contracted hours of employment during this time. Don’t worry, there are no other compulsory classes during this time so you can solely focus on your work placement.

Q. DO I GET PAID FOR AN INTERNSHIP?
Most students get paid during their internship, however this is at the discretion of the employer. The average weekly salary for UTS Engineering students on their first placement was approximately $680, and $796 while on their second placement (2016).

Q. I ALREADY HAVE WORK EXPERIENCE. DO I NEED TO COMPLETE AN INTERNSHIP?
Yes, as part of the Diploma in Professional Engineering Practice you must complete an internship.

If your current role meets the requirements of the Diploma in Professional Engineering Practice then you can register the internship via CareerHub. CareerHub is our very own job board dedicated to jobs for students.

Q. WHAT EMPLOYERS WILL I WORK WITH?
We partner with a range of companies across industry, who employ UTS engineering students. They advertise available internships via CareerHub. You can also look for internships with other employers who are not current partners. These jobs can be found via SEEK or other national job boards.

Eashwinder Deharput
Mechanical and Mechatronic Engineering

“Engineering is one of the degrees where you need to put your theory into practical use and an internship lets you do just that. My internships have helped me plan out the type of engineering path I want to follow and build valuable industry connections that will hopefully help me stand out from the crowd when I’m ready to take the next step in my career.”
WHAT IS ENGINEERING?
Engineering is all around us. From the infrastructure of our cities to robotics, personal electronics, renewable energy, Opal Card system and medical devices.

Today, engineers are pioneering solutions to global challenges in the areas of energy, water, food, the environment, technology, transport, housing, as well as aging populations.

WHAT SKILLS ARE NEEDED?
Engineers are true problem solvers. They are creative, logical and have strong attention to detail. This attention to detail is supported by strong mathematical skills, including mathematical modelling.*

Communication, leadership and interpersonal skills are also vital as engineers influence lots of other people to adopt their ideas and work towards a shared vision.

*MATHS AND ENGINEERING
You don’t have to be top of the class in maths to be an engineer, but it is important to have a strong foundation in maths.

All engineering students take a Maths Readiness Survey (MRS). This test helps to identify students who need additional maths support and ensure they are successful in transition through their program with additional math tutorials.

Students can also enrol in mentor programs with other students, tutors and academics to assist with maths or other engineering subjects.

NOT SURE WHICH MAJOR TO CHOOSE?
It can be a tough decision to choose a major when you’ve yet to experience core engineering subjects. The flexible engineering major allows you to mix and match subjects from any major.

You can combine complementary fields of engineering, or create your own unique skillset. If you change your mind, you could transfer to one major in second year, provided you meet academic requirements.
# Careers

**Engineering is your passport to success. Start your career journey at UTS.**

From the infrastructure of our cities to robotics, green vehicles, recycled water systems, mobile phones and renewable energy, engineering is all around us.

Today’s engineers are pioneering solutions to global challenges in the areas of energy, water, food, environment, technology, transport, housing and the ageing population. It’s this blend of engineering and technology that will be an in-demand combination across all industries around the world for years to come.

**Take a look at the prospects for engineers globally:**

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>$64,250</td>
<td>The average starting salary for graduate engineers is $64,250. Australian Bureau of Statistics 2018</td>
</tr>
<tr>
<td>76.4%</td>
<td>Of students were in full-time employment four months after graduation. Engineering Professions, Australia, 2017 Department of Employment, Australian Government</td>
</tr>
<tr>
<td>4,308</td>
<td>Vacancies recorded for engineers in June 2018. Engineers Australia, Vacancies Report June 2018</td>
</tr>
<tr>
<td>11,000</td>
<td>Engineering management roles available by 2022. Australian Government, Job Outlook</td>
</tr>
<tr>
<td>60,000</td>
<td>Job openings for software and applications programmers by 2022. Australian Government, Job Outlook</td>
</tr>
<tr>
<td>2,300</td>
<td>Vacancies for Civil Engineers across Australia. Engineers Australia, Vacancies Report June 2018</td>
</tr>
<tr>
<td>30%</td>
<td>30% of leading organisations will have a Chief Robotics Officer by 2019. IDC Futurescape, Worldwide Robotics 2017 Predictions</td>
</tr>
<tr>
<td>+158%</td>
<td>+158% increase in demand for employees with a ‘critical thinking’ mindset over the last three years. Foundation for Young Australians, The New Work Smarts, 2017</td>
</tr>
</tbody>
</table>
Prepare for the future

Engineers are playing a critical role in the technology revolution. Futurists predict six key areas of discovery which will influence future career pathways for graduates.

ROBOTICS
Blending mechanical engineering, electrical engineering and computer science, intelligent systems will play an important role in business and in day-to-day life.

Consider Mechanical and Mechatronic Engineering, Electrical Engineering or Software Engineering.

ARTIFICIAL INTELLIGENCE (AI)
AI is a part of our everyday lives. Google’s search algorithms, facial recognition tools, virtual personal assistants like Siri or Alexa and video games such as Call of Duty are all examples of AI. By using data from the past we can make almost accurate predictions about the future.

Consider a sub-major or elective in Artificial Intelligence.

INTERNET OF THINGS (IoT)
IoT includes networks of physical devices embedded with electronics, sensors, software and network connectivity that is allowing devices to connect and exchange data. IoT will shape the future of farming and many other industries, allowing for smarter decision making, improved monitoring of operations and output, and improved offering to customers.

Consider Data Engineering or Electronic Engineering.

AUTONOMOUS VEHICLES
Self-driving cars will be the biggest disruption in transport history! Harnessing tech advances in machine learning, IoT and the cloud, we can expect to see a widespread uptake in autonomous vehicles in 10-15 years.

Consider Software Engineering.

3D PRINTING
Additive manufacturing turns 3D digital models into solid objects which are built up in layers. Using various types of material 3D printing has the potential to radically transform the manufacturing industry, medical industry and architecture. UTS has its own 3D printing facility, the ProtoSpace.

Consider using ProtoSpace, our 3D print facility, to support your engineering projects and research.

DATA SCIENCE
Data scientists use automated methods to extract knowledge or insights from structured or unstructured data to improve decision-making. We can see this in our day-to-day via predictive text, suggested Netflix shows based on viewing history, and facial recognition on social media.

Consider Data Engineering.
Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice

Take charge of your future at UTS.

WHAT'S IT ALL ABOUT?
Get the in-depth preparation you need to make your mark in the engineering industry. Combine strong technical skills with transformative professional skills in complex problem solving, communication, innovation and team-work to deliver impact across local and global communities.

CHOOSE YOUR MAJOR
- Flexible
- Biomedical**
- Civil, including specialisations in Construction and Structures
- Civil and Environmental^ 
- Data
- Electrical
- Electronic
- Mechanical
- Mechanical and Mechatronic^ 
- Mechatronic
- Software

See pages 14–23 for an explanation of these majors.

**Not available with combined degrees, except Business and Creative Intelligence and Innovation
^Not available with combined degrees

COMBINED DEGREES
- Bachelor of Arts in International Studies
- Bachelor of Business
- Bachelor of Creative Intelligence and Innovation
- Bachelor of Laws
- Bachelor of Medical Science
- Bachelor of Science

The Diploma in Professional Engineering Practice is not a required element of a combined degree.

ACCREDITATION
This course is accredited by Engineers Australia. Once completed, you will be eligible for graduate membership of Engineers Australia and your qualification will also be recognised by signatories to the Washington Accord, which ensures global mobility for engineering professionals.

For more information visit ieagreements.org/accords/washington/

INTERNATIONAL STUDENT?
Considering the Bachelor of Engineering (Honours) without the Diploma in Professional Engineering Practice or the Bachelor of Engineering Science? See page 31
Let's break it down. Here's what a UTS engineering program looks like.

**CORE**
Core subjects are taken by all engineering students regardless of major and provide the foundation knowledge and skills required of every engineer.

**MAJOR**
Develop the essential technical knowledge specific to your chosen field of practice.

Major subjects include a final-year Capstone Project, which is an in-depth research study on a topic of your choice. Many students work on their Capstone Project with one of their internship companies, while others work within the Faculty’s research centres.

**ELECTIVES**
Consolidate your expertise with additional engineering subjects, or expand your interests by enrolling in subjects from other faculties.

**PROFESSIONAL PRACTICE**
The Diploma in Professional Engineering Practice is an internship program. You work in an engineering company of your choice for two periods of six months, generally in your second and fourth years.

**PREPARATION & REFLECTION**
These subjects help you get the most out of your internships. You’ll take them before and after your two periods of internship as part of the Diploma. Think resumes preparation, interview advice and e-portfolios including your experience.

**STUDIOS**
Team-based projects that include a challenging industry task with multiple solutions. Implement the fundamentals of your learning, using the latest tools, whilst developing professional skills in communication, team-work, complex problem solving and creativity.

**SUMMER AT UTS**
Summer is an optional session, if you are keen to take on extra subjects from November to January.

Summer session is a great way to spread your study load over the full year to give you more balance with your personal or work life.

Failed a subject? Or perhaps life got in the way? Or maybe you’d like to try a student led studio on Humanitarian Engineering? You can also use Summer as an opportunity to catch up on subjects.

[summer.uts.edu.au](http://summer.uts.edu.au)

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**Typical course structure for a single major**

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<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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<tbody>
<tr>
<td>Session 1</td>
<td>Session 2</td>
<td>Internship 1</td>
<td>Session 1</td>
<td>Session 2</td>
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<tr>
<td>Core</td>
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<td>Major</td>
<td>Major</td>
<td>Learning 1</td>
<td>Major</td>
<td>Learning 2</td>
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<td>Major</td>
<td>Major</td>
<td>Major</td>
<td>Major</td>
<td>Elective</td>
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<tr>
<td>Practice</td>
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<td>Professional</td>
<td>Practice</td>
<td>Professional</td>
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<tr>
<td>Preparation</td>
<td>Reflection 1</td>
<td>Experience 1</td>
<td>Preparation 2</td>
<td>Experience 2</td>
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<td>1</td>
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<td>1</td>
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*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).*
Majors

The major represents your chosen engineering field of practice and will typically influence the career path you take. We have 11 majors to choose from, all leading to a wide range of career options.

Flexible

2019 Selection rank*: 80.00
UAC Code: 603105

Explore the world of engineering.

The Flexible major gives you the option to design your own fully accredited interdisciplinary engineering degree with an academic advisor. So you can find that niche area, a blend between two or more existing majors and make it your own.

Alternatively, if you’re not sure which engineering major you want to take, the Flexible major provides an opportunity to explore some engineering disciplines in your first year before transferring to a designated major.

CAREER OPTIONS

Your technical, analytical and practical engineering skills, along with your logical thinking will become your graduate attributes. Add to this an ability to identify problems, focus on solutions, work in teams and manage projects and people, and you’ll be sought after in a wide range of areas once you graduate.

Career opportunities span all engineering disciplines, including emerging areas such as:
- Smart cities
- Renewable energy
- Distributed generation
- Internet of Things (IoT)
- Industry 4.0
- Data analytics and visualisation
- Cyber security
- Medical technologies
- Agriculture and food security

Michelle Quaglia
Flexible Engineering

“Opting for the flexible major allowed me to tailor my engineering studies to focus on the exact subjects that would develop my skills in line with my career objectives. As I progressed through my engineering degree and after focusing on innovation and electronics, I realised I wanted to deepen my knowledge and understanding of software and software practice. I was able to achieve this by adding 5 software subjects to my flexible major - providing a suitable depth of understanding in software practice, Python, Java and Android development.

At the end of my degree, I have come out with a palette of engineering skills and knowledge, brought from the electrical, innovation and software engineering streams. I’ve found the flexible major has provided me with very relevant exposure to skills which I now use as a graduate engineer in my day to day work.”

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Biomedical engineering is multi-disciplinary by nature and covers a broad scope of areas relating to medical technology: genomics, tissue engineering, bioinformatics, nanotechnology, 3D printing and bio-instrumentation.

Biomedical engineers design and develop medical-related equipment and systems for analysis, diagnosis, therapy and rehabilitation. Their ultimate goal is to improve healthcare delivery and extend the quality and longevity of human life.

In this program, you’ll learn the basics of biology, information technology, electrical, electronic, and mechanical engineering and medical science. Choose subjects based on your particular areas of interest such as biomedical instrumentation, bioinformatics, biomechatronics, neuroscience, and biomedical applications of artificial intelligence.

**CAREER OPTIONS**

When you graduate, you’ll be ready to work with other engineers, IT professionals, medical staff and researchers thanks to this multidisciplinary field. As a biomedical engineer, you’ll find opportunities in:

- bioinstrumentation and biomedical device companies
- biotechnology and biomechanics manufacturing companies
- medical research centres or hospitals in Australia or abroad
- medical imaging
- medical devices
- regulatory affairs
- rehabilitation engineering
- biomedical engineering research

You’re also likely to work closely with electrical, mechatronic and ICT engineers, and will find opportunities in many of the areas suggested for those majors.

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**Connie Land**  
**Biomedical Engineering**

“I worked with NSW Ambulance as a Medical Equipment Management Intern during my first internship. I conducted preventative maintenance, repaired defective equipment, ran safety tests and ensured standard compliance on medical devices. I also contributed to the design of the new fleet of ambulances. It allowed me to test run a career field that I was interested in. It also gave me a greater sense of professionalism. I could observe the workplace culture and see what environment I thought suited my working style. It aided my professional development in terms of how to present myself as well as how I communicate with others with varying levels of seniority.”
Civil

2019 Selection rank*: 85.45
UAC Code: 603015

Build tomorrow’s future.

Civil engineers are problem solvers and visionaries who plan, design, build, maintain and demolish the infrastructure of our country. These include buildings, stadiums, roads, bridges, tunnels, railways, mines, dams, water supply, wastewater treatment as well as the physical infrastructure of electrical and telecommunication systems.

In this civil engineering program, you will learn all the key skills you need to become a professional civil engineer, plus skills in construction, project management, design and surveying. You’ll also learn about the properties and use of concrete, steel, timber and soil, plus the physics and mechanics of large and small structures. You will also gain expertise in water supply systems, flood protection, sanitation, hydraulics and waste disposal.

CAREER OPTIONS

Civil engineers work in office-based jobs in planning, consulting or design as well as outside on construction sites, managing and supervising projects. You will be able to work in any of the areas suggested for the Flexible major, as well as finding a range of civil engineering opportunities with:

- major development and design firms such as Aurecon, Brookfield Multiplex, Lend Lease, Mirvac, Arup or Landcom
- government agencies and their contractors
- local councils
- local and suburban engineering consultancies specialising in private, residential or commercial developments, water and flood management, road and rail infrastructure, or project management

Civil (Construction)

2019 Selection rank*: 85.05
UAC Code: 603095

Meet the demands of a growing city.

Civil construction engineers specialise in the construction of large projects such as high-rise apartments or office blocks. They require high-level skills in communication, leadership, critical thinking and project management.

You’ll learn all the key skills you need to become a professional civil engineer, as well as gain an understanding of human resources, finance, environmental planning and law. This includes development applications and environmental impact assessments. With cross-faculty subjects, you’ll also learn the details of building services such as lifts, air conditioning, cabling, IT and telecommunications.

CAREER OPTIONS

You can work in any of the areas suggested for the Civil major, and find opportunities with:

- Major developers
- Private commercial developers and consultancies

This specialisation is also ideal if you want to work as a private developer or consultant, as you’ll have all the skills you need to run an entire construction project from start to finish.

*Math selection ranks: published ranks indicate the lowest ATAR, including any adjustments applied through eligible admissions schemes, to which an offer was made to current school leavers as of 12 January 2018. Please refer to the UTS website for more info on selection ranks, ATARs and student profiles.

Mathew Da Silva
Civil Engineering

“As an intern with Sydney Trains, I was involved in major projects, such as rail inspection projects or major re-railing projects. I was introduced to the maintenance world, where I was analysing data, validating it on site, risk assessing the defects and eventually scoping the work and packaging it out.

I was also introduced to the project management side of engineering as I was given a rail testing project where I was tasked with budgeting, scoping, planning, resourcing and executing works. It was a great exposure to the industry and I had always been keen to move into the project management area.”
Civil (Structures)

2019 Selection rank*: 87.10
UAC Code: 603018

Build the world around you.

Structural engineers specialise in the analysis and design of structures, ranging from small to large and highly complex. They use advanced design and modelling techniques to design efficient, long-lasting structures and to understand the traditional and advanced materials available for their construction.

In this program, you’ll learn all the key skills you need to become a professional civil engineer, plus gain an advanced understanding of the behaviour of structures under stresses due to extreme weather, earthquakes or explosions.

Using leading-edge computer software to model, analyse and design structures, you’ll also develop skills in assessing structural damage. This includes practical expertise in assessing and improving the safety of older structures that maybe subject to loads and conditions they weren’t originally designed to withstand.

CAREER OPTIONS
You can work in any of the areas suggested for the Civil major as well as finding opportunities with:
- major commercial developers
- government agencies and their contractors
- engineering consultancies, particularly those that specialise in designing and building large structures or assessing existing structures

Civil and Environmental

2019 Selection rank*: 85.05
UAC Code: 603005

Join the global environmental movement.

Civil and Environmental engineers are key to a sustainable future with an expertise that’s in demand to help safeguard our planet. They are experts in assessing environmental impact and design of green buildings, transport, waste and other engineered systems.

Civil and Environmental engineers specialise in the efficient use of energy, protecting soil and water from contamination and design waste, pollution control and resource recovery systems. They are involved in impact assessment, treatment of contaminated sites, as well as management and design concepts across engineering disciplines.

In this program, you’ll learn all the key skills needed to become a professional Civil and Environmental engineer. You’ll also gain expertise in biotechnology, environmental analysis, ecology and physico-chemical processes, plus an understanding of the social, political and legal aspects of environmental planning and management.

You’ll learn to design environmentally sustainable strategies and develop solutions for environmental topics including air, water, soil, noise, climate change and energy in your community.

CAREER OPTIONS
You can work in any of the areas suggested for the Flexible major, plus find opportunities with:
- environmental consultants
- water, waste, soil and energy industries
- local councils and government agencies
- catchment management authorities
- international development organisations
- non-government organisations such as the Australian Conservation Foundation or Greenpeace

Jessica Massih
Civil and Environmental Engineering

“My dream job is to work in humanitarian engineering and I have so many great opportunities at UTS to help me get relevant experience. Engineers Without Borders is a great organisation for students to be involved with, and there are so many opportunities for overseas study trips and scholarships to work in developing communities.”

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Use renewable energy to power the future.

Electrical engineers deal with the generation and application of electricity, including high-voltage power generation and supply networks. With traditional power generation at the centre of global warming issues, electrical engineers are now at the forefront of developing renewable energy systems and super-efficient electrical devices that aim to reduce our energy demands.

In this program, you’ll learn all about circuits, large scale electrical system design and operation, energy generation, analogue and digital intelligent control (such as on-board computers in cars, aircraft or trains), ‘fuzzy logic’ systems, and instrumentation (such as digital temperature and pressure gauges).

You’ll graduate with practical skills in hardware and software that enable you to design and build large scale electrical and control systems.

CAREER OPTIONS
You can work in any of the areas suggested for the Flexible major, as well as finding opportunities with:
- car, aircraft and train manufacturers
- defence agencies and military hardware manufacturers
- energy companies, including sustainable energy providers
- biomedical and health engineering companies
You’re also likely to work closely with mechanical, mechatronic, electronic and data engineers, and will find opportunities in many of the areas suggested for those majors.

WHAT’S THE DIFFERENCE?
Electronic Engineers design small-scale circuits that live inside smart devices for consumers and industry. You learn about designing sensors, the Internet of Things, electronic components, miniaturization of devices, and the software and communications systems that make them work.

Electrical Engineers design, maintain and build high voltage power and control systems that run the world’s electricity grid and other large-scale industrial applications. This includes both traditional and renewable energy generation, and control systems such as those found in factories, aircraft, trains and other vehicles.

Kulsoom Hussain
Electrical Engineering

“I developed an interest in renewable energy when I was studying physics at high school and I really wanted to do more in the area of photovoltaics, and to work with communities, especially in remote areas, to help them access sustainable and reliable power.

I choose UTS because I also wanted to combine it with international studies and UTS was the only place I could do this. I spent a year in China studying Mandarin which was one of the best experiences of my life!

The other reason I chose to study at UTS is the internship component. The internships really give you a lot of valuable experience; a whole year in industry puts you in a better position than other graduates from other universities. UTS also has great industry partnerships and connections which benefit students.

As I am about to leave uni, I am feeling pretty good about my situation – I have enough experience to help me find the right opportunity that aligns with what I want to do.”
Electronic

2019 Selection rank*: 81.60
UAC Code: 603045

Design the next generation of smart devices.

Electronic devices are driving tech advances across global industries. Components are becoming smaller, faster, lighter and more power efficient, allowing for revolutions in computation and communication technologies.

As an electronic engineer, you combine engineering techniques and maths to design and build electronic hardware found inside smart devices. These devices include smartphones, smart watches, smart health monitoring devices and many more.

In this program, you’ll learn about digital systems, sensing, electronic analysis and design with a choice of sub-majors in Internet of Things (IoT).

Graduate with practical skills in hardware and software that enable you to design and build miniaturized electronics systems giving you options to move into a range of global high-tech industries.

CAREER OPTIONS
You can work in any of the areas suggested for the Flexible major, plus find opportunities in the following industries:

– Aerospace
– Automotive
– Construction
– Defence
– Marine
– Oil & gas
– Pharmaceutical
– Power generation
– Rail
– Telecommunications

You’re also likely to work closely with mechatronic, electrical and data engineers, and will find opportunities in many of the areas suggested for those majors.

Angus Ryan
Electronic Engineering

“Two six-month internships—the opportunity to work in the field of your degree—as well as a modern, recently-built engineering building were the key factors that led me to study at UTS.

I’m taking my first internship at GetShift, a startup at the Australian Technology Park in Eveleigh. I’ve had the opportunity to build my own 3D printer, learn and develop Windows software and design models within CAD. Most importantly, I created my own circuit from scratch. I’ve felt as if I haven’t done a day of work, but rather spend months on my passion!

Studying Electronics Engineering at UTS has been intense but rewarding. I’ve learned so much from circuit design to programming my own digital system. What I enjoy about university is the ability to mould the study plan to your lifestyle, in my case giving myself two days off to work part-time at GetShift.”

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (‘Year 12’) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Data

2019 Selection rank*: 80.35
UAC Code: 603060

Combined expertise in advanced analytics and engineering is the gateway to business innovation.

Data Engineers create and manage secure cyber-physical systems and infrastructure to service the ever-growing demands of our computer-driven data-centric society. These secure software and hardware systems enable organisations to innovate and optimise their services using broadband networking and powerful computing.

You'll learn professional engineering skills and the entrepreneurial values required to build and manage secure and reliable data platforms. You will also develop skills in advanced practice, gain in-depth knowledge in one or more areas of specialisation, and learn to embrace innovation in order to achieve excellence in your engineering future.

Current specialisations include Cybersecurity, Networks, Real-time systems (internet of things), Data Analytics, and Image Processing.

CAREER OPTIONS
- Data Engineer
- Data Architect
- Visualisation Analyst
- Developer, Big Data Platform
- Data Services Engineer
- Data Network Engineer

This major also utilises project-oriented studios with participation from industry mentors.

Greg Ellis
Executive Director Ticketing & Concession
Transport NSW

“There really won’t be enough data engineers out there, so I think the opportunities are going to be fairly limitless.”
Future proof your career.

Software engineering is the application of engineering principles to the design, development and maintenance of software. It focuses on large, complex and critical software systems that are interwoven into our daily lives. Examples include power distribution, traffic control, autonomous vehicles and large systems that hold secure data, systems that must work the first and every time.

A software engineer ensures that the software is built systematically, rigorously, measurably, on time, on budget, and within specification to meet these complex demands.

You’ll learn the scientific principles and mathematical methods used to solve critical problems in this discipline, as well as the trends and innovations shaping the international software industry. You will also develop skills in design and innovation, project management, economics and finance and commercialisation and entrepreneurship.

**CAREER OPTIONS**
- Chief Technology Officer
- Development Manager
- Devops Manager
- Enterprise Architect
- Systems Designer
- Consultant
- Chief Architect

“Last year I completed five hackathons in five different areas – including the Ericsson Challenge. I enjoy working with other people, and being part of a hack team is a great way to learn technical skills, acquire knowledge of tools, and develop in team and project management. I hope to work in consultancy and these are the skills that are in demand.”

Mikhail Fedulov
Software Engineering

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
At the forefront of technology innovation.

Mechanical engineering is the broadest of all the engineering disciplines. Mechanical engineers design, build and maintain anything that moves — from microscale sensors to jet plane engines, robots, biomedical devices, spacecraft, wind turbines and heavy industrial machinery.

In this major, you’ll study dynamics and learn to calculate and control the movement and interaction of solid objects, fluids, heat and power. You’ll also study some electrical engineering subjects and will apply your learning through hands-on projects that help you build the confidence and ingenuity needed to push the boundaries of machine-based technology.

**CAREER OPTIONS**

You can work in any of the areas suggested for the Flexible major, plus find opportunities within:
- aerospace companies
- automotive companies
- biomedical and health companies
- chemical industry
- defence agencies
- electronics industry
- marine industry
- materials and metals industry
- pharmaceutical industry
- rail industry
- robotics industry
- utilities industry

You’re also likely to work closely with electrical, mechatronic and ICT engineers, and will find opportunities in many of the areas suggested for those majors.

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**Mechanical**

*2019 Selection rank*: 85.05  
**UAC Code:** 603055

**Kate Leone**  
**Mechanical and Mechatronic Engineering**

“The reason I chose UTS was the internship program; it was something I knew employers would regard highly. My first internship was in Hong Kong, for a German company automating a catering services facility at the airport. I had no idea of how I was going to get there and organise everything, so UTS helped me.

For my final-year capstone project, I’m working with UTS Rapido, a unit delivering technical solutions for industry, and another company, AbilityMade. I’m helping them develop a 3D printed foot and ankle orthoses solution that reduces the time from waiting-list to final product from over 12-months to 48 hours. It helps children born with cerebral palsy to walk, so they’ll be able to avoid wheelchairs later in life. I’ve always wanted to do engineering to get a skillset where I could give back.”

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*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Mechatronic

2019 Selection rank*: 85.05
UAC Code: 603120

Engineering for an autonomous future.

Mechatronic Engineering work on all aspects of the smart machine, from design and testing to manufacturing. They use a combination of mechanical, electronics, computer systems and software engineering to design and build mechanical systems and their controllers, software and hardware, plus electronic processes and the networks that link them.

In this program, you’ll study dynamics (the science of moving things) and learn to calculate and control the movement and interaction of solid objects and electricity. You’ll also learn to design, build and manage automated and autonomous mechanical systems, with an emphasis on robots, smart machines, intelligent control systems, and biomedical devices.

CAREER OPTIONS
You can work in any of the areas suggested for the Flexible major, plus find opportunities with:
- advanced machinery and robotics manufacturers
- manufacturing and mining industries
- research groups in nanotechnology, robotics and other developing fields

You’re also likely to work closely with electrical, mechanical and ICT engineers, and will find opportunities in many of the areas suggested for those majors.

Mechanical and Mechatronic

2019 Selection rank*: 87.10
UAC Code: 603115

Open up a world of high-performance opportunities.

This major brings together mechanical and mechatronic engineering subjects so that you gain an understanding at both specialisations. You’ll study dynamics (the science of moving things) and learn to calculate and control the movement and interaction of solid objects, fluids, heat and electricity. You will also learn to design, build and manage automated and autonomous mechanical systems, with an emphasis on robots, smart machines, intelligent control systems, and biomedical devices.

CAREER OPTIONS
You can work in any of the areas suggested for the Mechanical and Mechatronic majors.

David Eager
Professor, School of Mechanical and Mechatronic Engineering

“Mechanical and Mechatronic Engineers solve problems, resolve conflict, manage projects and work in diverse teams that include other professionals such as architects, lawyers, doctors and accountants. They make change happen while adding benefits of society. They ask the question, “is there a better way?” and they have a willingness to take reasonable risks with a view to making a significant positive impact.”
Combined degrees

Why settle for one specialisation? Create your niche by combining your areas of interest.

Bachelor of Engineering (Honours), Bachelor of Business

2019 Selection rank*: 83.25
Duration: 5 years full-time (part-time available for domestic students)
Add an extra year for the Diploma in Professional Engineering Practice and add an extra year if undertaking Business Honours

UAC code: 609350
UTS course code: C09070
CRICOS code: 084091G

Blend your technical engineering degree with high-level strategic thinking.

With a combined engineering and business degree, you’ll develop the ability to succeed in both engineering and business environments.

As well as the professional engineering skills you’ll develop in your chosen engineering major, you’ll gain valuable and highly sought-after business skills from your business major. You’ll graduate with the ability to use your engineering problem-solving skills in relation to people management, business management, finance, marketing or international business.

ENGINEERING MAJORS
Flexible, Biomedical, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

BUSINESS MAJORS

CAREER OPTIONS
You can work in any of the areas suggested for your chosen Engineering major, plus find opportunities in:
– banking
– accounting and economics
– marketing
– any commercial or business sector

Your engineering skills will enable you to understand and develop products so you may find yourself particularly sought after by manufacturing businesses. Your business skills will ensure the product is financed, developed to meet consumer needs and marketed effectively. You’ll also be ideally suited to the financial sector, running your own engineering business or senior management in an engineering setting.

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Bachelor of Engineering (Honours), Bachelor of Medical Science

2019 Selection rank*: 87.10
Duration: 5 years full-time (part-time available for domestic students)
Add an extra year if undertaking the Diploma in Professional Engineering Practice
Add an extra year if undertaking Medical Science Honours

UAC code: 609370
UTS course code: C09074
CRICOS code: 08409D

With a combined engineering and medical science degree, you’ll go far.

Not only do you get to develop professional engineering skills via your chosen engineering major, but you will also gain an in-depth understanding of medical science.

In the medical science side of your degree, you will explore the fields of chemistry, biology, anatomy, biochemistry, microbiology, physiology, neuroscience, pharmacology and medical devices.

As well as your engineering major, you’ll need to complete 13 core Medical Science subjects. For the full list of subjects see the relevant course information at handbook.uts.edu.au/eng

ENGINEERING MAJORS
Flexible, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

CAREER OPTIONS
You can work in any of the areas suggested for your chosen engineering major, plus find opportunities in:
– medical technology and instrumentation
– biotechnology and bioengineering
– nanotechnology and molecular biology
– mining, agriculture and fisheries
– environmental science
– food and drink, product design, pest control or pharmaceuticals
Bachelor of Engineering (Honours), Bachelor of Arts in International Studies

2019 Selection rank*: 86.10
Duration: 5 years full-time
Add an extra year if undertaking the Diploma in Professional Engineering Practice

UAC code: 609032
UTS course code: C09068
CRICOS code: 084089B

Open up a whole world of opportunities.

With a combined engineering and international studies degree you’ll not only develop professional engineering skills from your chosen engineering major, you’ll also open up a whole world of opportunities. The international studies component of this course gives you the rare chance to immerse yourself in another language and culture, develop an international perspective on your studies, and broaden your thinking. The international studies component of your degree also involves a year abroad in one of the 14 countries that you can choose to study in the degree, pursuing a major research project in a field of your choice. UTS pays for your travel between Sydney and your country of study, tuition fees at the overseas institution, visa fees and the cost of the UTS Overseas Insurance Policy.

ENGINEERING MAJORS
Flexible, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

COUNTRIES
Argentina, Canada, Chile, China, Colombia, Costa Rica, France, Germany, Italy, Japan, Latino USA, Mexico, Spain, Switzerland.

CAREER OPTIONS
You can work in any of the areas suggested for your chosen engineering major, within Australia or in another country. Engineering is an international discipline, and bilingual, global-thinking engineers are able to problem-solve anywhere in the world.
Back your engineering projects with scientific rigor.

With a combined engineering and science degree, you’ll gain the technological expertise to determine scientific problems plus the practical engineering skills needed to implement effective solutions. Add to this cutting-edge practical laboratory skills as well as an understanding of intellectual property and the ethical issues related to science research.

You’ll need to choose a single engineering major for the Bachelor of Engineering (Honours) and a single science major for the Bachelor of Science.

Areas in which you can develop skills include DNA-centred technologies and applications, microbiology and biochemistry, therapeutic products (such as vaccines and drugs), scientific research and analysis, energy and resource exploration, urban ecology, and environmental biotechnology and sustainability.

**ENGINEERING MAJORS**
Flexible, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

**SCIENCE MAJORS**
Chemistry, Applied Physics, Biomedical Science, Biotechnology, Environmental Science, Mathematics, Medical Science, Nanotechnology.

**CAREER OPTIONS**
You can work in any of the areas suggested for your chosen engineering major, plus find opportunities in:
- medical technology and instrumentation
- biotechnology and bioengineering
- nanotechnology and molecular biology
- mining, agriculture and fisheries
- environmental science
- food and drink, product design, pest control or pharmaceuticals

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*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).*
Bachelor of Engineering Science^, Bachelor of Laws

2019 Selection rank*: 97.00
Duration: 5.5 years full-time
UAC code: 609050
UTS course code: C10136
CRICOS code: 040713B

^Not accredited by Engineers Australia

A blend of technical knowledge and legal skills.

With a combined engineering science and law degree, you’ll gain a blend of technical knowledge and legal skills that enable you to become a legal practitioner in New South Wales.

As well as the engineering skills you’ll develop via your chosen engineering major, you’ll gain an overview of the legal system, technology legislation, technology-specific criminal law, contract law and environmental law.

If you wish to obtain full recognition as a graduate lawyer, you have the option of completing the Practical Legal Training Program. With a year of further study, you also have the option of graduating as a professional engineer.

ENGINEERING MAJORS
Flexible, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

CAREER OPTIONS
You can work in any of the areas suggested for your chosen engineering major, plus find opportunities as a:

– Legal advisor
– Legal investigations analyst
– Patent associate
– Policy analyst
– Compliance and regulatory affairs
– Consultant

You can work in engineering, law firms, or both. Law firms need lawyers with technical expertise and the engineering industry needs technical specialists with legal knowledge. Demand for these skills is high. In fact, this combined course was developed in response to this very demand.

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).
Bachelor of Engineering (Honours), Bachelor of Creative Intelligence and Innovation

2019 Selection rank*: 83.30
Duration: 5 years full-time
UAC code: 609560
UTS course code: C09076
CRICOS code: 084097B

Go a step further. Drive cross-disciplinary, industry and social change.

With a combined engineering and creative intelligence and innovation degree, you’ll gain a blend of technical knowledge underpinned by a philosophy of innovation and creativity that will help you turn ideas into reality. The creative intelligence competencies you’ll pick up should enable you to navigate a rapidly accelerating world of change.

As well as the professional engineering skills you’ll develop via your chosen engineering major, you’ll gain proficient skills in critical, inventive and creative thinking, future scenario building, business analysis, entrepreneurism, problem solving, teamwork and communication. You’ll also develop the ability to work on your own, as well as across and between other disciplines.

ENGINEERING MAJORS
Flexible, Biomedical, Civil, Data, Electrical, Electronic, Mechanical, Mechatronic, Software.

CAREER OPTIONS
You can work in any of the areas suggested for your chosen engineering major and will be well-suited for a career within a fast-paced, innovative engineering environment. Your combined degree will equip you with skills that are particularly useful for positions involving:
– product planning, strategy and design within a solutions focused environment

These skills can also be used to start and market your own business.
Degree add-ons

Stand out from the crowd with a Diploma in Innovation or a Diploma in Languages.

+ Add the Diploma in Innovation

Some people watch the world go by. Others change it. Become a future-shaper with the Diploma in Innovation.

Rather than building the skills for a specific career, the Diploma in Innovation is about preparing for the future of work. In fact, it responds directly to industry demand for graduates who can demonstrate interdisciplinary approaches in their professional practice. There’s an emphasis on entrepreneurial thinking, too: by the time you graduate, you’ll be ready to be an entrepreneur, serve entrepreneurial clients, or integrate entrepreneurial processes into your day-to-day work.

Our course content embraces the unlimited possibilities of the new world of work. Subjects include extensive studios on innovation and entrepreneurship, explorations of complexity and sustainability, and deep dives into concepts of frame innovation and futures thinking.

Interested? You can add the diploma to any UTS bachelor’s degree (excluding the BTi or BCII). What’s more, all your diploma subjects will be offered as winter and summer school intensives, so even though you’re adding an extra qualification, you’ll still graduate on time.

+ Add the Diploma in Languages

Gain a global outlook.

Bring the world to your doorstep with a Diploma in Languages. Add this one-year diploma to your UTS degree to gain language and cultural skills, build your professional identity, and graduate with a range of capabilities that will prepare you for an international career. Language options include Chinese, French, German, Italian, Japanese and Spanish.

No need to apply just yet – the diploma is available to students already studying an undergraduate or postgraduate coursework degree program at UTS, so sign up when you enrol. No matter what you study, the diploma can give your qualification an international edge.
Additional courses for international students

Bachelor of Engineering (Honours)
Direct entry open to international students only
Duration: 4 years (full-time only)
UTS course code: C09066
CRICOS code: 084098A
Professional Recognition: Accredited by Engineers Australia

As an international student, you have the option of completing the Bachelor of Engineering (Honours) with or without the Diploma in Professional Engineering Practice (see page 12 for details).

Should you choose to enrol in the course without the Diploma, you will still obtain the necessary exposure to professional engineering life - with at least 12 weeks’ work experience.

You will also complete the Engineering Practice Preparation and Engineering Practice Reflection subjects to fulfil the professional practice component of the course, as well as having the chance to specialise with an engineering major. See the full list of engineering majors on pages 14-23.

Bachelor of Engineering Science*
Direct entry open to international students only
Duration: 3 years (full-time only)
UTS course code: C10066
CRICOS code: 0339090

As an international student looking for technologist-level studies, this course is for you. You won’t receive professional engineering status, but you will gain graduate attributes similar to those gained in the Bachelor of Engineering (Honours). These will allow you to work with professional engineers.

ENGINEERING MAJORS
Civil, Data, Electrical, Electronic, Flexible, Mechanical, Mechatronic, Software

*Not accredited by Engineers Australia
Women in Engineering and IT (WiEIT)

Join us to build a world designed for humanity.

We envision a society where gender is irrelevant and unique individuals collaborate together to create innovative, sustainable solutions with real-world impact on people and planet.

As an engineering student at UTS, you are a part of our diverse community of inspiring students, staff, professionals and allies who will empower and support you from your first day to graduation.

CONNECT WITH A PROFESSIONAL THROUGH LUCY MENTORING
From second year onwards, you can connect with an engineering or IT professional through the Lucy Mentoring Program.

Your industry mentor will help guide your study and career discovery. Not sure which career pathways are for you? Your mentor’s experience and advice could be just what you need.

BUDDY UP
Just like your first day at school, we will pair you with a buddy who can help you navigate your first year of engineering/IT with us at UTS.

Get a tour of the campus, explore the local café scene and meet other students across the uni.

INSPIRE FUTURE GENERATIONS
Creating engineering and technology solutions needs diverse innovators to design solutions that include the needs of those who are different and similar to us.

Inspire girls in primary and high school to create the change of tomorrow by sharing your own journey and helping them gain the skills and confidence through our STEM program.

DEDICATED HANG OUT SPACE
Find your people in the WiEIT cube on level 5. Use this space to meet the community, host events, ideate projects or chill out.

GET THE LATEST
Join the Women in Engineering and IT community on Facebook. We share jobs, scholarships, events and volunteering opportunities and encourage you to reach out to your peers. Join us for social events, networking with industry, and events both on and off-campus!

wieit.uts.edu.au

“’The Lucy Mentoring Program gave me deeper insight into the engineering industry.

Through site and office visits with my mentor, I had the opportunity to connect with countless engineers with different areas of expertise, hear about their experiences and witness their day to day roles.”

Julia Yeo
Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice
Civil and Environmental Engineering

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Scholarships

The Women in Engineering and IT Cooperative Scholarship is proudly sponsored by industry to increase the participation of women in engineering and IT. This is a 4-year scholarship valued at $66,000 which includes industry work placements.

The Faculty of Engineering and IT Women in Engineering and IT Scholarship is available for incoming female students. This scholarship is valued at $10,000 over 1 year. Eligibility criteria apply. See uts.edu.au/wieit-scholarships for information.

Nikita Sparavec
Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice
Mechanical Engineering

Nikita Sparavec, the recipient of the Faculty of Engineering and IT scholarship for commencing first-year students, has had a passion for sports cars and Formula One racing from a young age. Now in the first year of a Mechanical Engineering Degree at UTS, she’s part of the UTS Motorsports Electric team designing and building an electric Formula One-inspired racing car.

“As a child I always dreamed I’d be part of a Formula One team and now this is a dream come true.”

Nikita decided to study mechanical engineering after Year 10 work experience with luxury racing and sports car manufacturer Lotus. “I sat with the mechanical engineers and the mechanics, and learnt about the process of improving car parts and the whole design process. I just loved it. I thought ‘I really want to be a part of this world’.”

Her visit to the UTS Open Day clinched her decision to study engineering at UTS. “It seemed really hands-on compared to other universities and I also liked the idea of compulsory internships,” she says.

Although she’s only into the first few months of her degree she says it is living up to her expectations. “I’m really enjoying the application of mathematics and physics - it’s really exciting.”
University life

There’s no one size fits all approach to university life!

Anyone who has ever been a uni student will tell you that getting involved in clubs societies makes the whole ride pretty incredible.

We have over 100 clubs and societies on campus, along with bars, cafes and a range of sporting facilities. To ensure you feel confident and supported, we offer help with housing, money, making friends, health, cultural issues and career development.

**UTS ENGINEERING SOCIETY**
Hang out with your cohort and get involved in social events, industry events and networking opportunities with one of the largest clubs on campus.

**UTS ROBOTICS SOCIETY**
Discover everything robotics, from servos to software, and connect with likeminded students. Gain access to equipment, participate in robot building competitions, and receive support from industry. With projects ranging from fully autonomous robotic systems to candy dispensers, they provide you with the opportunity to combine creativity and technology to form new ways of interacting with the world around us.
[utsroboticsociety.org](http://utsroboticsociety.org)

**UTS CYBER SECURITY SOCIETY**
Boost your programming knowledge with exclusive workshops and study help sessions and learn how to defend against attacks through the techniques that attackers use.

**UTS MOTORSPORTS**
Showcase your ingenuity by building and racing an open-wheel race car. The motorsports club has represented UTS in the Formula SAE Australasia competition for 10 years, and raced an electric car in the event for the first time in 2015.
[utsmotorsports.com](http://utsmotorsports.com)

**ENGINEERS WITHOUT BORDERS**
Build your leadership and sustainability skills and apply theory to humanitarian engineering projects. Opportunities include doing an internship overseas or participating in an overseas volunteering experience through UTS BUILD.

**HELPs**
Higher Education Language and Presentation Support (HELPs) provides non-credited English language and academic literacy support to UTS students. Enhance your learning experience with individual and group support in a friendly and respectful environment.
[helps.uts.edu.au](http://helps.uts.edu.au)

We encourage you to check out the full list of clubs and societies at:
Discover entrepreneurship at UTS

Interested in entrepreneurship but not sure how to get involved?

UTS equips you with the tools to become an entrepreneur, whether it’s with our free entrepreneurship courses, bootcamps, hackathons, internship opportunities or startup community, there’s an entrepreneurship offering available for you!

entrepreneurship.uts.edu.au

ENTREPRENEURSHIP BOOTCAMPS
Gain insight into the world of entrepreneurship with our two-day intensive ideate bootcamps! You’ll be introduced to entrepreneurial methods and tools that you can use to solve problems, test ideas, create impact, and launch businesses.

entrepreneurship.uts.edu.au

STARTUP INTERNSHIP OPPORTUNITIES
Build an internship experience that matters to you and apply to intern with a startup! It’s an opportunity for startup communities to recruit our best and brightest, inject fresh ideas and perspectives into their startups, and inspire the next generation of entrepreneurs. It’s a win/win.

startupinternships.uts.edu.au

BEGIN YOUR STARTUP JOURNEY
Got an idea? Looking for some inspiration or support?

Join the UTS Startups community, a university-wide program to inspire and support student startups at UTS. It’s not about prescribing a path or formula, but instead creating the environment where UTS startups are exposed to what they need to progress, both inside and outside the university.

startups.uts.edu.au

Thirunisha Thirimurugan & Rowan Smith
Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice Mechatronics

ROBOTICS FOR REHABILITATION
Mechatronic engineering students developed two prototypes during their Summer Studio to assist with the rehabilitation of stroke victims.

Thirunisha developed ‘Rehab to the beat’, a virtual piano rehabilitation device for stroke patients to use at home or in their hospital bed. Rowan added ‘Universal Care’, a robotic assistance device that detaches the physiotherapist from the patient. By doing this, the physiotherapist can use a hand controlled mode to move the arm or can set a series of independent games or exercises for the patient to play.

‘Tech Gym’ was showcased at the Summer Studio Exhibition and exposed the team to the partnering opportunity with UTS Startups.

“I’m just blown away with how much support we get. The collaboration space is really nice. The community and the vibe from everyone is phenomenal,” says Rowan.

Within the first two weeks of joining UTS Startups, the Tech Gym team met with an accelerator program and investors. This highlighted the blunt, yet constructive realities of investor and industry expectations, which Rowan and Thirunisha are taking on board to progress to their next big goals.

“Our main milestone would be to have an MVP (minimum viable product) out by the end of summer. The particular medical advice that we’re trying to get is around the Therapeutical Goods Administration regulations and laws and how to go to a clinical trial.”
Global opportunities

Ready for the world beyond?

At UTS, we’re committed to getting you out into the world – in fact, we send more students overseas than any other uni in NSW. So what are you waiting for?

Dive headfirst into the language and culture of another country, travel the world during uni break, and get a global perspective on your engineering degree that’ll set you apart from your peers.

GLOBAL EXCHANGE
Study overseas for one or two teaching sessions at a UTS partner university. There are 256 exchange partners in over 43 countries and territories to choose from.

INTERNATIONAL INTERNSHIPS
The Bachelor of Engineering (Honours) includes two six-month internships which can be taken with a local or international company. Students who intern overseas develop an international business network, add another language to their resumé, plus gain exposure to multinationals who don’t have offices in Australia.

BUILD FOR SHORT-TERM INTERNATIONAL OPPORTUNITIES
BUILD (Beyond UTS International Leadership Development) is a program that will help you develop your leadership potential through a range of local and global opportunities. You could study Amazonian languages in Peru, French in Switzerland or work with a social enterprise supporting developing communities with education or electricity.

ENGINEERS WITHOUT BORDERS (EWB)
EWB gives you the opportunity to operate as an humanitarian engineer in local and regional communities. The program aims to develop key social skills essential to being successful team leaders on the forefront of social change.

At UTS, we’re committed to getting you out into the world – in fact, we send more students overseas than any other uni in NSW. So what are you waiting for?

Dive headfirst into the language and culture of another country, travel the world during uni break, and get a global perspective on your engineering degree that’ll set you apart from your peers.

GLOBAL EXCHANGE
Study overseas for one or two teaching sessions at a UTS partner university. There are 256 exchange partners in over 43 countries and territories to choose from.

INTERNATIONAL INTERNSHIPS
The Bachelor of Engineering (Honours) includes two six-month internships which can be taken with a local or international company. Students who intern overseas develop an international business network, add another language to their resumé, plus gain exposure to multinationals who don’t have offices in Australia.

BUILD FOR SHORT-TERM INTERNATIONAL OPPORTUNITIES
BUILD (Beyond UTS International Leadership Development) is a program that will help you develop your leadership potential through a range of local and global opportunities. You could study Amazonian languages in Peru, French in Switzerland or work with a social enterprise supporting developing communities with education or electricity.

ENGINEERS WITHOUT BORDERS (EWB)
EWB gives you the opportunity to operate as an humanitarian engineer in local and regional communities. The program aims to develop key social skills essential to being successful team leaders on the forefront of social change.
Applying to UTS

It's time! Join the innovation generation as a student at UTS.

Here’s how:

1. **Find a course**
   Choosing what to study can be tough. Start by checking out the course information pages of this guide (pages 12-31), as well as the UTS website.

   [uts.edu.au/find-right-ug-course](https://uts.edu.au/find-right-ug-course)

2. **Check your admission requirements**
   Once you’ve chosen a course, check that you meet the admission requirements.

   **High school leavers:**
   If you’re completing your HSC (or equivalent) in 2019, we’ll assess your application based on your selection rank for entry into most UTS courses. Your selection rank is a combination of your ATAR/IB score, plus any adjustment points you receive (read more about adjustment points on page 22).

   **Mature age and non-current school leavers:**
   If you’re not a high school leaver, you’ll be assessed on criteria such as your ATAR, post-school qualifications, or relevant work experience, along with any additional selection criteria.


   **Indigenous students:**
   If you’re an Australian Aboriginal or Torres Strait Islander, the Jumbunna Institute for Indigenous Education and Research can help you get in to UTS through the Jumbunna Pathways Program (see page 40) or Unistart Program (see page 41).


   [uts.edu.au/unistart](https://uts.edu.au/unistart)

   **International students:**
   If you’re not a citizen or permanent resident of Australia, or a citizen of New Zealand, you must apply as an international student directly through UTS International.

   Tel: 1800 774 816
   (free call within Australia)

   Tel: +61 3 9627 4816
   (for international calls)

   [international.uts.edu.au](https://international.uts.edu.au)

   If your prior education was not conducted in English, you must complete an English language test or show your results from a completed test in the last two years.

<table>
<thead>
<tr>
<th>Test</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>IELTS (Academic)</td>
<td>6.0 overall with a writing score of 6.0</td>
</tr>
<tr>
<td>TOEFL IBT</td>
<td>60-78 overall with a writing score of 21</td>
</tr>
<tr>
<td>AE5/AE6 (PASS)</td>
<td>AE5</td>
</tr>
<tr>
<td>PTE (Academic)</td>
<td>50-57</td>
</tr>
<tr>
<td>CAE</td>
<td>169-175</td>
</tr>
</tbody>
</table>

^For high school leavers only.

* Correct at the time of printing. Visit [uac.edu.au](https://uac.edu.au)
3 Check if you’re eligible

Scholarships
When? Scholarship applications open as early as April 2019. See what’s on offer and check your eligibility on our website.

[uts.edu.au/scholarships](uts.edu.au/scholarships)

Admission Schemes
There’s more than one way to get into uni. We offer a range of admission schemes that can help get you into the course you want. See page 40 for a list of schemes.

4 Visit UTS

Come and say hello at one of our events or faculty info sessions – it’s a great way to get to know UTS. And don’t miss UTS Open Day (Saturday 31 August 2019), the biggest day on campus, where you’ll have the chance to explore your course and career options.

[undergraduate.uts.edu.au/events](undergraduate.uts.edu.au/events)
[openday.uts.edu.au](openday.uts.edu.au)

5 Apply through UAC

Applications for most UTS undergraduate courses must be lodged online through the Universities Admissions Centre (UAC). On-time applications close at the end of September 2019*. Be sure to have your UTS preferred course as your first preference.

Application information is available in the UAC Guide and on the UAC website. If you’re a Year 12 student, you can obtain a free copy of the guide from your school. Some courses have additional selection criteria, so you may need to submit extra material to UTS in addition to your UAC application. Check out the UTS Handbook for more information about applying for your chosen course.

[uac.edu.au](uac.edu.au)
[handbook.uts.edu.au](handbook.uts.edu.au)

6 Complete the Engineering Questionnaire

If you fall short of the ATAR by 1-3 points, we will still consider your application if you complete the questionnaire and demonstrate a strong motivation to study engineering at UTS.

Spend 20 minutes completing the Engineering Questionnaire, and give yourself the best chance to get into your preferred course at UTS.

[eng-questionnaire.uts.edu.au](eng-questionnaire.uts.edu.au)

7 Review your options once

Are you eligible for subject points?*
Once your results are released, visit our Year 12 Subject Scheme table with your performance bands in hand to see if you’re eligible for an adjustment of up to five points towards your selection rank. These subject points are in addition to any points you may receive from one of our other admission schemes.

[uts.edu.au/ug-admissions-schemes](uts.edu.au/ug-admissions-schemes)

8 Accept your offer

The majority of our offers are released during December Round 2 via UAC on 23 December 2019*. Check the UAC website for offer round dates.

Offers will be made to eligible IB students in January following the release of your results.

[uac.edu.au](uac.edu.au)

Get in touch

DOMESTIC STUDENTS
Phone: 1300 ASK UTS (1300 275 887)
Email: feit@uts.edu.au
[ask.uts.edu.au](ask.uts.edu.au)

INTERNATIONAL STUDENTS
Phone: 1800 774 816 (free call within Australia)
Phone: +61 3 9627 4816
Email: international@uts.edu.au
[uts.edu.au/international](uts.edu.au/international)

Once you’re in…

Congratulations! Keep the following dates in mind.

17 Feb–6 March 2020: Orientation Autumn Session for new students.

Check if you’re eligible

Scholarships
When? Scholarship applications open as early as April 2019. See what’s on offer and check your eligibility on our website.

[uts.edu.au/scholarships](uts.edu.au/scholarships)

Admission Schemes
There’s more than one way to get into uni. We offer a range of admission schemes that can help get you into the course you want. See page 40 for a list of schemes.
Admission schemes

Boost your chances of receiving an offer from UTS with one of our admission schemes. When we assess your application, we’ll consider criteria beyond your ATAR, such as your academic performance in certain HSC subjects, disadvantageous circumstances you may have experienced, or your identification as Aboriginal or Torres Strait Islander.

Please note: you’ll need to submit an application if you want to be considered for the admission schemes listed below. Only the Year 12 Subject Scheme and the equity-funded school concession points are automatically assessed.

Year 12 Subject Scheme
If you’re a current high school student (both HSC and IB), you’ll be automatically assessed for this scheme. The Year 12 Subject Scheme awards additional points (called adjustment points) towards your selection rank based on your performance in high school subjects that are relevant to your chosen course.

Engineering Questionnaire
The Engineering Questionnaire is about understanding your motivation to study Engineering at UTS. If we can see that you’re genuinely dedicated to pursuing an engineering degree, it’ll increase your chances of receiving an offer; even if your selection rank is 1-3 points below the cutoff for your preferred course.

inpUTS-Educational Access Scheme
If you’ve experienced long-term educational disadvantage as a result of family, personal or financial circumstances, you can apply for inpUTS, our Educational Access Scheme (EAS). If you’re eligible for inpUTS, you’ll be considered for a place at UTS, even if your selection rank is up to 10 points below the cut-off for your preferred course.

Schools Recommendation Scheme
We’re dedicated to supporting students who have the potential to succeed at university, even if they don’t receive an offer based on their selection rank alone. To be eligible for our Schools Recommendation Scheme (SRS), you must demonstrate financial hardship or be automatically eligible for the geographic area code disadvantage (AGO1) and achieve a minimum ATAR of 69 (or 80 for Law).

Elite Athletes and Performers Special Admissions Scheme
If you’re an elite athlete or performer and your commitments outside school have impacted on your studies, you can apply for our Elite Athlete and Performers Scheme. This scheme can give you five additional adjustment points towards your selection rank.

Jumbunna Pathways Program
Available to Aboriginal and Torres Strait Islander students who aspire to study at university, and may not otherwise have the qualifications to apply. Your application will be assessed based on factors including previous life skills and experience, education and work experience. Applications are direct to Jumbunna.

Visit our website to see a full list of our admission schemes.

uts.edu.au/admission-schemes
Admission pathways are alternative ways to get into your preferred course if you don’t receive the ATAR you need. UTS pathways include TAFE courses, diplomas and other formal qualifications that can get you back on track.

Enrol in a related course
Start by choosing a different UTS course – ideally, pick one with a lower ATAR that’s still similar to the course you want (hint: some combined degrees have a lower cut-off than a single degree).

Then, think about the following options:

- **Use your electives to get a great degree experience**
  With electives, you can enrol in subjects that interest you from almost any UTS faculty – so you can still study what you’re passionate about, no matter which degree you’re in.

- **Re-apply after a year**
  Once you’ve completed a year of full-time study at UTS or another institution, you can apply to your preferred course via UAC. We’ll assess both your ATAR and the marks you earn in your first-year subjects. Make sure you study hard – it’s a competitive process, so getting good results in first year is essential. You may also be eligible for credit recognition for certain subjects completed during the year.

- **UTS Insearch diplomas**
  Fast-track your way into the second year of your chosen UTS degree* by completing a higher education diploma at UTS Insearch. As the leading pathway provider to UTS, UTS Insearch offers diplomas in six disciplines: business, communication, design and architecture, engineering, information technology and science. These diplomas are designed in collaboration with UTS, so you’ll gain the same educational outcomes as a first-year UTS student.

  *insearch.edu.au

- **TAFE or private college diploma**
  Studying a different university course is a great way to gain entry into your preferred degree – but so is completing an Australian Qualifications Framework Diploma at TAFE or a private college. If you achieve good marks, the diploma can add value to your application for the majority of UTS bachelor degrees. You may also be eligible for recognition of prior learning for certain subjects.

- **Retake your HSC at TAFE**
  Have a do-over. By spending a year at TAFE, you can redo your HSC in a single year – which means you’ll get a new ATAR at the end.

- **Jumbunna Unistart Program**
  Jumbunna Unistart is a unique twelve-month program offered to Aboriginal and Torres Strait Islander students. You attend small classes at Jumbunna that are designed to build your confidence and academic skills in writing and mathematics, along with select subjects from your chosen degree. When you have successfully completed the program, you will progress fully into your chosen degree and receive recognition of prior learning.

Visit our website to see a full list of our admission pathways.

uts.edu.au/admission-pathways
Scholarships

At UTS, we’re all about rewarding effort – and supporting circumstance. That’s why we offer more than $12 million in UTS coursework scholarships and prizes every year. If you’re a high achiever, in financial need, or if you’re from a diverse background, a UTS scholarship can help take care of your finances so you can focus on the important stuff.

Scholarships for high achievers
Academic achievement is worth celebrating – and our high achievers’ scholarships do just that. Some scholarships are awarded across all UTS undergraduate degrees (e.g. the UTS Vice Chancellor’s Outstanding Achievement Scholarship, valued at $12,500 per year for the duration of the course), while other scholarships are offered through our faculties (e.g. the UTS Business Dean’s Scholarship, valued at $30,000).

Co-operative scholarships
Get a foot in the door of your chosen profession with an industry-sponsored scholarship. These co-op scholarships provide funding to support your studies – and they usually include an internship with the partnering organisation as well. Interested? You’ll need a good academic record, demonstrated leadership potential, enthusiasm and dedication, as well as a genuine interest in your chosen field.

UTS offers:
- Engineering industry-based merit scholarships

Equity scholarships
Our equity scholarships aim to overcome financial disadvantage in whatever form it takes. Whether you have a disability or ongoing medical condition, a rural home address, a refugee background or carer’s responsibilities, these scholarships can help make university study possible.

Scholarships for women
We pride ourselves on providing an inclusive work and study environment for women – in fact, we’ve been consistently recognised by the Workplace Gender Equality Agency for our efforts. We offer several scholarships to encourage women to undertake study in different areas.

Scholarships for Indigenous Australians
We’re committed to offering scholarships and prizes to support Aboriginal and Torres Strait Islander students. Some of these are awarded on academic merit while others are equity-based.

Scholarships for athletes
You’ve given your life to your sport – now let your sport give something to you. ActivateUTS assists students to combine high-performance sport with their studies, so you’ll be supported to excel in both areas. They offer three scholarships: the Elite Athlete Program, Emerging Athlete Program and Elite Athlete Housing Scholarship.

We also offer a few other scholarships for athletes to assist you in pursuing your academic and sporting goals.

Application dates
Scholarship application dates vary. Be sure to check the UTS scholarship website for specific closing dates.

Which scholarship is right for me?
With so many scholarships on offer, it can be tricky to figure out which ones you’re eligible for. Use our online search tool to filter scholarships according to the criteria that best describes you.

To find out more info on scholarships visit uts.edu.au/scholarships
<table>
<thead>
<tr>
<th>Scholarship name</th>
<th>Awarded to</th>
<th>Benefit</th>
<th>Duration</th>
<th>Selection rank</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WOMEN IN ENGINEERING AND IT COOPERATIVE SCHOLARSHIP</strong></td>
<td>High achieving female students that have a passion and interest to pursue a career in Engineering. Industry sponsored. Multiple scholarships available.</td>
<td>$66,000 over 4 years + 3 industry placements</td>
<td>4 years</td>
<td>85+</td>
<td>Applicants are required to attend an interview at UTS as part of the selection process.</td>
</tr>
<tr>
<td><strong>FEIT WOMEN IN ENGINEERING AND IT SCHOLARSHIP</strong></td>
<td>High achieving female students that have a passion and interest to pursue a career in Engineering. Faculty sponsored. Multiple scholarships available.</td>
<td>$10,000</td>
<td>1 Year</td>
<td>85+</td>
<td>Applicants are required to attend an interview at UTS as part of the selection process.</td>
</tr>
<tr>
<td><strong>ENGINEERING AND IT DEAN’S SCHOLARSHIP</strong></td>
<td>High achieving commencing students with the top Selection rank* enrolled in a UTS Faculty of Engineering &amp; Information Technology undergraduate degree. More than one available.</td>
<td>$10,000 per year</td>
<td>2 years</td>
<td>95+</td>
<td>Merit</td>
</tr>
<tr>
<td><strong>LINDEN LITTLE ENGINEERING EQUITY SCHOLARSHIP</strong></td>
<td>Current school leavers experiencing financial need and other educational disadvantage which can make it difficult to access and succeed in tertiary education. Available to commencing students in the Bachelor of Engineering (Honours), Diploma in Professional Engineering Practice in any major.</td>
<td>$15,000 per year</td>
<td>2 years</td>
<td>80+</td>
<td>Equity</td>
</tr>
</tbody>
</table>
## ENGINEERING SCHOLARSHIPS FOR COMMENCING STUDENTS (LOCAL)

<table>
<thead>
<tr>
<th>Scholarship name</th>
<th>Awarded to</th>
<th>Benefit</th>
<th>Duration</th>
<th>Selection rank*</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE ELEANOR DUNN SCHOLARSHIP IN ENGINEERING</td>
<td>Applicants who have the potential and commitment to study Electrical, Mechanical, Mechatronic, Software or Data Engineering — major / double major, and are from a financially disadvantaged background or experiencing other educational barriers.</td>
<td>$5,000 per year</td>
<td>5 years</td>
<td>N.A.</td>
<td>Equity preferred</td>
</tr>
<tr>
<td>WJ &amp; LM SINCLAIR SCHOLARSHIP IN ENGINEERING</td>
<td>Applicants who have the potential and commitment to study engineering, are of Aboriginal or Torres Strait Islander descent and/or are from financially disadvantaged background. Up to two student scholarships may be offered enrolled in any major of Bachelor of Engineering (Honours). Diploma in Professional Engineering Practice.</td>
<td>$10,000-$20,000 per year</td>
<td>5 years</td>
<td>69+ or 80+</td>
<td>Equity</td>
</tr>
<tr>
<td>RICHARD CROOKES CONSTRUCTION ELITE ATHLETE SCHOLARSHIP</td>
<td>Elite and emerging UTS athletes in a field of study relevant to the construction business. In addition, the recipient will be invited to undertake a paid work placement opportunity at Richard Crookes Construction.</td>
<td>$20,000 + Work Placement</td>
<td>1 year</td>
<td>N.A.</td>
<td>Athlete, work placement</td>
</tr>
</tbody>
</table>

As a current student, you can apply for scholarships with:

- John Hughes Memorial Scholarship
- Broadspectrum
- Bouygues Construction Australia
- Ericsson
- John Holland
- NSW Government Data Analytics Centre
- Richard Crookes
- Canon Medical Systems
- Thales
- Western Earthmoving
- And more!

Visit [uts.edu.au/scholarships](http://uts.edu.au/scholarships) to see all scholarships offered at UTS Engineering and IT.

*Selection ranks: published ranks indicate the lowest selection rank (ATAR plus any adjustment points applied through eligible admissions schemes) to which an offer was made to a domestic Current School Leaver (Year 12) in the Autumn 2019 intake (for December Round 2 and January Round 1).*
Fees and financial assistance

Uni fees can be confusing – how much you pay depends on the uni you choose, the course you study and the subjects you enrol in. Here’s a quick guide to student fees at UTS.

Domestic students
As a domestic student, you’ll most likely be studying in a Commonwealth Supported Place. This means the Australian Government makes a contribution to the cost of your study, while you pay a student contribution.

- **Student contribution**
The Australian Government has classified each unit of study into various bands depending on the study area. Your student contribution is calculated based on the subjects you enrol in each session.

- **HECS-HELP**
Most domestic students pay their student contribution through the HECS-HELP scheme. This means the government lends you the money for your student contribution and pays it directly to the university. HECS-HELP is available to Australian citizens, students on humanitarian visas and holders of a New Zealand SCV that meets the long-term residency requirements (note that if you’re a New Zealand citizen and do not meet eligibility requirements, or if you hold an ordinary permanent resident visa, you’ll need to pay your fees upfront). You’ll start repaying your HECS-HELP loan after graduation, once your income reaches the repayment threshold.

Don’t want to incur a HECS-HELP debt? You can pay your student contribution upfront every session – just make sure you pay it by the due date.

For more information on HECS-HELP, visit the StudyAssist website.

[studyassist.gov.au](http://studyassist.gov.au)

International students
This guide is not intended for international students. For information on fees for international students, visit the UTS International website.

[international.uts.edu.au](http://international.uts.edu.au)

UTS financial assistance
Uni life can be a bit of a juggle, so if you’re struggling with your finances, the Financial Assistance Service can help. Our team assists with the practical and financial aspects of life at university, including information on the Centrelink Student Support benefits, government HECS and FEE-HELP tuition loans, help with planning your budget to survive uni on your income, providing support such as nil-interest short-term UTS student loans and help with completing PAYG annual income tax returns. They also support equity-based programs, grants and scholarships to help low-income domestic students in financial need. This funding can help you meet the costs of your classroom resources, like textbooks and laptops, or add-on costs that result from internships and workplace practical experience requirements.


Government income support
If you’re an Australian citizen or permanent resident, you may be eligible for a Centrelink benefit. Visit the Department of Human Services website for more information.

[humanservices.gov.au](http://humanservices.gov.au)
DISCLAIMER: The information in this brochure is correct as at February 2019. Changes in circumstances after this date might alter the accuracy or currency of the information. UTS reserves the right to alter any content described in this brochure without notice. Readers are responsible for verifying information that pertains to them by contacting the university.

Note, this guide is for domestic students. International students should refer to the International Course Guide or uts.edu.au/international

UTS Open Day
Saturday 31 August 2019
9am – 4pm
Register at openday.uts.edu.au