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### FACULTY SNAPSHOT*

- 8231 students
- 2096 postgraduate coursework students
- 534 higher degree research students

### UTS AT A GLANCE

- 39,074 students
- 10,896 postgraduate coursework students
- 1583 higher degree research students
- 3088 staff

### UTS STUDENT DIVERSITY

- 38% are 25 or older
- 52% were born outside of Australia
- 150+ languages other than English are spoken by the UTS student body

* As at September 2014

### CONTACT US

**Local students**
Tel: 1300 ASK UTS (1300 275 887)
Online inquiry: ask.uts.edu.au
Email: FEITOutreach@uts.edu.au

**International students**
Tel: 1800 774 816 (free call within Australia)
Tel: +61 3 9627 4816 (for international calls)
Web: www.international.uts.edu.au
Email: international@uts.edu.au

### CONNECT WITH US

- UTSFEIT
- UTSFEIT
- UTSFEIT
- UTSInternationalstudents
- UTSINT
COURSES BY ENGINEERS, FOR ENGINEERS

All UTS: Engineering courses are reviewed regularly by our Industry Advisory Network, ensuring the content remains completely in line with current industry practices. For example, our postgraduate management courses have been designed by professionals and academics who thoroughly understand management in technical environments.

INDUSTRY-CONNECTED

We have strong links with industry and our courses are recognised for being practice-based and industry relevant. We regularly bring industry practitioners into the classroom to share their knowledge and skills, and many of our academics and tutors are active engineering professionals.

ALCATEL-LUCENT PARTNERSHIP

Our industry collaborations include an ongoing relationship with global telecommunications leader, Alcatel–Lucent. You can obtain a globally recognised industry certification as part of your UTS: Engineering degree.

INTERNATIONAL COLLABORATION

UTS integrates intercultural and international perspectives into every facet of university life. We have a strong network of strategic partnerships around the world, resulting in exciting industry and research collaborations. These partnerships provide our students and staff with international experiences and strengthen our intercultural capabilities.

ENJOY OUTSTANDING FACILITIES

Most of your subjects will be taught in the Engineering and IT Building. It’s purpose-built for Engineering and IT students and researchers, and features technology-enabled teaching spaces and laboratories designed with the future in mind.
Whether you want to move up the management ladder, deepen your technical skills, or both, UTS offers a wide range of master’s degrees, and graduate certificates to suit your needs.

Benefit from our central location
The UTS City campus is centrally located near Central Station, Sydney’s bus and train transport hub. There are a number of parking stations close by that offer discounted student parking rates. The campus is also located in the creative industries ‘inner city triangle’ along with almost 40% of Australia’s creative industry head offices.

Strike a work-life balance
Benefit from classes scheduled to minimise disruption to your professional commitments. Local students can study all courses in part-time or full-time mode, and adjust the number of subjects taken per semester. Most classes are held in the evening, and delivery options vary by subject, with some offering the chance to study via distance*, block mode or weekly attendance. It is a visa requirement that all international students study full-time only.

Recognition of your previous studies
If you have a recognised bachelor’s degree in Engineering, you can apply for credit recognition for up to four subjects in some of the technical engineering master’s programs, potentially reducing your full-time study load by one semester.

Applicants will be assessed for credit recognition of up to 4 subjects in the engineering management programs. Visit www.uts.ac/eng-credit-rec

Articulated programs to fit your needs
The majority of our courses are articulated, meaning you can begin with a 24 credit point or 4 subject graduate certificate and apply to have your subjects credited towards an appropriate master’s degree. If you successfully complete the first 24 credit points of the master’s and choose not to continue on with your studies, you may still graduate with a graduate certificate†.

* International students cannot study more than 25% of the total enrolment load by distance/online learning.

† International students may have visa restrictions that prevent course articulation.
LEARNING.
FUTURES

UTS is a recognised leader in teaching and learning. We pride ourselves on having skilled lecturers who are passionate about their areas of expertise and are informed of the latest developments and knowledge in their field.

We are committed to remaining up-to-date with new teaching methods. Learning.Futures is a UTS initiative which is revolutionising the way students learn at university. Students are more connected to technology than ever before, and the UTS learning model encourages you to use technology to build upon concepts that are discussed and worked on collaboratively in the classroom.
WORLD-CLASS FACILITIES

The Engineering and IT Building was built with UTS Learning Futures in mind. Classrooms have digital screens and purpose-built features for group work and practice-based learning. Collaborative theatres for 200 students facilitate multiple forms of engagement including lecture presentations, collaborative and technology-enabled activities.

UTS DATA ARENA

This 3D data visualisation arena aids researchers to visually present and interact with complex data sets and 3D spatial modules. It utilises projectors and simulates weather such as wind and lightning to provide the experience of being immersed in a bug’s 3D virtual reality experience.

IMAGE BY THINKSTOCK
SOFTWARE DEVELOPMENT STUDIO

is a rich environment for you to become professionally competent via an industry collaborative software development experience throughout your degree.

In-built research sensors

The building is itself a living breathing laboratory, embedded with wireless sensors to monitor temperature, air quality, noise and dust particles.

Image by: Anna Zhu
Laboratories
The building contains civil, electrical, information and communication technology, and mechanical laboratories, where students gain hands-on, practical experience. You will have access to specialised computer labs, including UTS Remote Laboratory – the largest remote laboratory – the largest and one of the world’s most advanced remote laboratories. This enables students to conduct real-time experiments with actual apparatus and equipment at any time of the day from anywhere in the world.

Feit Learning Precinct
In between classes, you can study or conduct group work in the Feit Learning Precinct. This student space is where you can access support for individual and small group work, as well as reference materials and software.

UTS Library
The UTS Library has expanded to include an underground storage system that uses robotic cranes for the retrieval of less demanded books, making borrowing faster and simpler. This library upgrade is part of the larger UTS City Campus Master Plan, a $1 billion investment to re-develop UTS.

The China Library, gifted from the Chinese Government, recently opened on level 4 of the UTS Library. This information centre is filled with books, audio visual materials, multimedia displays as well as reading and study areas.

Images by Anna Zhu
Images by Dematic
Ravindra Bagia

Senior Lecturer

Ravindra Bagia is the Course Coordinator for Engineering Management postgraduate studies. He brings a wealth of industry experience to his teaching, having worked extensively in the development of complex defence and commercial systems before joining UTS. His research interests include application of systems theory to policy areas, systems engineering and project management.

Read more at www.uts.edu.au/staff/ravindra-bagia
MANAGEMENT COURSES

GRADUATE CERTIFICATE IN ENGINEERING MANAGEMENT

Course duration:
Local: 0.5 year full-time
1 year part-time
International: 0.5 year full-time
Course Code: C11239
CRICOS code: 081085G
Study load: 24 credit points (4 subjects)
Study mode: Standard mode (weekly attendance with some evening classes); OR Intensive block mode (subjects taught over 2-3 blocks lasting 2-3 days); OR Distance mode (depending on the subject)*
Intake: Autumn (March) / Spring (July)
How to apply: See page 26.
English language and admission requirements: See page 27.

The Graduate Certificate in Engineering Management enables you to update your understanding of recent advances in engineering, technology and business practice. You can tailor the course to suit your needs, selecting either 4 core subjects or 3 core subject and 1 elective. All subjects are taken from the Master of Engineering Management, which means this course can be credited towards the completion of the master’s program, if you wish to continue your studies*. Very few subjects are offered by Distance mode.

If you’re an engineer, technical specialist or wish to expand your managerial skills within a technology-based organisation, then the Master of Engineering Management is the ideal course.

Highly regarded in industry, both locally and internationally, this course has been specifically designed to emphasise the interface between engineering, technology and management.

This course has been structured to include an Engineering Graduate Project, giving you the opportunity to conduct substantial research or a professional project related to your career aspirations. You have the option of choosing from a selection of delivery modes to better suit your professional commitments.

*Distance mode is not offered to international students.
Very few subjects are offered by distance mode to local students.

MASTER OF ENGINEERING MANAGEMENT

Course duration:
Local: 1-1.5 years full-time
2-3 years part-time
International: 1.5 years full-time
Course Code: C04275
CRICOS code: 081088E
Credit recognition: all applicants are assessed individually for credit recognition of up to 4 subjects based on having a UTS recognised bachelor’s degree and/or demonstrated appropriate work experience, potentially reducing your full-time study load by one semester.
Study load: 72 credit points (12 subjects)
Study mode: Standard mode (weekly attendance with some evening classes); OR Distance mode (depending on the subject)*
Intake: Autumn (March) / Spring (July)
How to apply: See page 26.
English language and admission requirements: See page 27.

If you’re an engineer, technical specialist or wish to expand your managerial skills within a technology-based organisation, then the Master of Engineering Management is the ideal course.

Highly regarded in industry, both locally and internationally, this course has been specifically designed to emphasise the interface between engineering, technology and management.

This course has been structured to include an Engineering Graduate Project, giving you the opportunity to conduct substantial research or a professional project related to your career aspirations. You have the option of choosing from a selection of delivery modes to better suit your professional commitments.

*Distance mode is not offered to international students.
Very few subjects are offered by distance mode to local students.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>MASTER</th>
<th>GRADUATE CERTIFICATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 2 of the following:</td>
<td>Choose 1 of the following:</td>
</tr>
<tr>
<td>Advanced Project Management</td>
<td>●</td>
</tr>
<tr>
<td>Judgment and Decision Making</td>
<td>●</td>
</tr>
<tr>
<td>Systems Engineering for Managers</td>
<td>●</td>
</tr>
<tr>
<td>Risk Management in Engineering</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MASTER</th>
<th>GRADUATE CERTIFICATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 6 of the following:</td>
<td>Choose 2 of the following:</td>
</tr>
<tr>
<td>Advanced Project Management</td>
<td>●</td>
</tr>
<tr>
<td>Judgment and Decision Making</td>
<td>●</td>
</tr>
<tr>
<td>Economic Evaluation</td>
<td>●</td>
</tr>
<tr>
<td>Systems Engineering for Managers</td>
<td>●</td>
</tr>
<tr>
<td>Risk Management in Engineering</td>
<td>●</td>
</tr>
<tr>
<td>Leadership and Responsibility</td>
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<tr>
<td>Applied Financial Management</td>
<td>●</td>
</tr>
<tr>
<td>Quality Planning and Analysis</td>
<td>●</td>
</tr>
<tr>
<td>Value Chain Engineering Systems</td>
<td>●</td>
</tr>
<tr>
<td>Electives†</td>
<td>Choose 2 electives</td>
</tr>
<tr>
<td>Project</td>
<td>Complete 2 subjects</td>
</tr>
<tr>
<td>Electives†</td>
<td>Choose 1 elective</td>
</tr>
</tbody>
</table>

*Distance mode is not offered to international students.
Very few subjects are offered by distance mode to local students.

Please note: Elective subjects are taken from postgraduate-level Faculty subjects and may need prior approval. You may also need pre-requisite knowledge for some electives.
GRADUATE CERTIFICATE IN ENVIRONMENTAL ENGINEERING MANAGEMENT

Course duration:
Local: 0.5 year full-time
1 year part-time
International: 0.5 year full-time
Course Code: C11237
CRICOS code: 081086G
Study load: 24 credit points (4 subjects)
Study mode: Standard mode (weekly attendance with some evening classes); OR Distance mode (depending on the subject)*
Intake: Autumn (March) / Spring (July)
How to apply: See page 26.
English language and admission requirements: See page 27.

The Graduate Certificate in Environmental Engineering Management enables you to develop a background and competence in environmental management, addressing issues that are high on the political and professional agenda. This course is relevant to practising professionals in engineering science, architecture, building, health, law, planning and surveying.

All subjects are taken from the Master of Environmental Engineering Management, which means this course can be credited towards the master’s program, if you wish to continue your studies (provided you meet the entry requirements of the master’s and have attained the required level of performance).

*Distance mode is not offered to international students. Very few subjects are offered by distance mode to local students.

Royce Toohey
Master of Engineering Management
Asset Engineer
Eurobodalla Shire Council

“I started with a Graduate Certificate in Engineering Management before transferring into the master’s course. Having these qualifications means I can demonstrate a formal understanding of what is required for a manager within local government today. Even though I have been in my industry for over 35 years, I am now encouraged to look at things from a new perspective.”

Read more at
www.uts.edu.au/royce-toohey
### COURSE STRUCTURE

<table>
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<th>Professional Engineering Stream</th>
<th>MASTER</th>
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</thead>
<tbody>
<tr>
<td>Advanced Project Management</td>
<td>Choose 3 of the following:</td>
<td>Choose 1 of the following:</td>
</tr>
<tr>
<td>Judgment and Decision Making</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Systems Engineering for Managers</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Risk Management in Engineering</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Ecology and Sustainability</td>
<td>▪ Compulsory subject</td>
<td>▪ Compulsory subject</td>
</tr>
<tr>
<td>Energy Demand Analysis and Forecasting</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Policy and Planning of Energy Conservation</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Environmental Policy for Energy Systems</td>
<td>▪</td>
<td>▪</td>
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<tr>
<td>Air and Noise Pollution</td>
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<tr>
<td>Engineered Natural Water Treatment Systems</td>
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<td>▪</td>
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<tr>
<td>Contaminated Site and Waste Remediation</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Environmental Assessment and Planning</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Ecology and Sustainability</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Waste and Pollution Management</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Environmental Risk Assessment</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Environmental Management of Land</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Decentralised Water and Wastewater Treatment</td>
<td>▪</td>
<td>▪</td>
</tr>
<tr>
<td>Geographic Information Systems</td>
<td>▪</td>
<td>▪</td>
</tr>
</tbody>
</table>

Electives 1

- Environmental Assessment and Planning ▪
- Environmental Management of Land ▪
- Electives 1
  - Choose 2 electives
- Project
  - Complete the following subjects:
    - Engineering Project Preparation ▪
    - Engineering Graduate Project ▪


Please note: Elective subjects are taken from postgraduate-level Faculty subjects and may need prior approval. You may also need pre-requisite knowledge for some electives.
TECHNICAL COURSES

MASTER OF ENGINEERING

Course duration:
Local: 1-1.5 years full-time
2-3 years part-time
International: 1.5 years full-time
Course Code: C04271
CRICOS code: 081087F
Credit recognition: If you have a UTS recognised bachelor’s degree in Engineering, you may apply for credit recognition of up to 4 subjects, potentially reducing your full-time study load by one semester.

Study load: 72 credit points [12 subjects]
Study mode: Standard mode [weekly attendance with some evening classes]; OR Intensive block mode [subjects taught over 2-3 blocks lasting 2-3 days]; OR Distance mode [depending on the subject]*
Intake: Autumn [March] / Spring [July]

How to apply: See page 26.
English language and admission requirements: See page 27.

If you’re an engineer or technical specialist wishing to deepen and expand the technical knowledge you gained in your first degree, then the Master of Engineering is the ideal course. This course has been designed with a choice of 14 majors, an Engineering Graduate Project and choice of electives. It can be taken with no specified major, allowing you to combine non-compulsory subjects that fit with your specific role or career aims. You have the option of choosing from a selection of delivery modes to better suit your professional commitments.

*Distance mode is not offered to international students. Very few subjects are offered by distance mode to local students.

MAJORS

Biomedical Engineering
Civil Engineering
Computer Control Engineering
Energy Planning and Policy
Environmental Engineering
Geotechnical Engineering
Local Government Engineering
Manufacturing Engineering and Management

Operations
Software Systems Engineering
Structural Engineering
Telecommunications Engineering
Telecommunication Networks
Water Engineering
No Specified Major

CAREER OPPORTUNITIES

Career opportunities are varied and depend on the major taken.

COURSE STRUCTURE

<table>
<thead>
<tr>
<th>Professional Engineering Stream</th>
<th>Bachelor of Engineering</th>
<th>Bachelor of Engineering (Extension)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Project Management</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Judgment and Decision Making</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Systems Engineering for Managers</td>
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<td>Risk Management in Engineering</td>
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<td>Quality Planning and Analysis</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Value Chain Engineering Systems</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Major</td>
<td>Choose 5 subjects from your chosen major and complete 2 project related subjects</td>
<td>Choose 5 subjects from your chosen major and complete 2 project related subjects</td>
</tr>
<tr>
<td>Sub-major</td>
<td>N/A</td>
<td>Choose 4 subjects [3 in the case of the Academic English Program] from your chosen sub-major</td>
</tr>
<tr>
<td>Electives*</td>
<td>Choose 2 electives</td>
<td>Choose 2 electives</td>
</tr>
</tbody>
</table>

*See the Handbook www.handbook.uts.edu.au/eng for details. Please note: Elective subjects are taken from postgraduate level faculty subjects and may need prior approval. You may also need pre-requisite knowledge for some electives.
Rami Haddad
Master of Engineering
Manager, Civil and Environmental Laboratories, UTS

“If you are thinking of doing a postgraduate degree, then stop thinking and just do it! You will not regret getting a postgraduate degree. It might not have the immediate effect on your career, but in the long term I can assure that it will pay off. I gained extensive experience and knowledge under the supervision of the academic staff, thanks to my course. UTS offers part-time and full-time options.”

Read more at www.uts.edu.au/rami-haddad
Master of Engineering (Advanced)

Course duration:
Local: 2 years full-time
4 years part-time
International: 2 years full-time

Course Code: C04278
CRICOS code: 081093G

Study load: 96 credit points

Intake: Autumn (March) / Spring (July)

Admission requirements: Entry to this course depends on acceptance by a Research Supervisor. You can apply to transfer from either ME or ME(E), you can’t directly enter this course.

How to apply: See page 26.

If you’re a professionally qualified engineer seeking the opportunity to complete an in depth exploration of specific engineering aspects, then the Master of Engineering (Advanced) is the ideal course. It involves undertaking a substantial research study in a major field of engineering. This course will put you at an advantage should you apply for a higher degree research program such as a PhD.

You will complete two professional engineering subjects, six subjects as part of your major and either a research project (over a period of 1 year) or a research project with a combination of electives.

Note: you must find a research supervisor before transferring into this course.

Graduate Certificate in Engineering

Course duration:
Local: 0.5 year full-time
1 year part-time
International: 0.5 year full-time

Course Code: C11236
CRICOS code: 081083K

Study load: 24 credit points (4 subjects)

Intake: Autumn (March) / Spring (July)

How to apply: See page 26.

English language and admission requirements: See page 27.

All subjects are taken from the Master of Engineering, which means this course can be fully credited towards the master’s program, should you wish to continue your studies (provided you meet the entry requirements of the master’s and have attained the required level of performance).

Note: distance mode is not offered to international students. Very few subjects are offered by distance mode to local students.

Graduate Certificate in Engineering Studies

Course duration:
Local: 0.5 year full-time
1 year part-time
International: 0.5 year full-time

Course Code: C11238
CRICOS code: 081084J

Study load: 24 credit points (4 subjects)

Intake: Autumn (March) Semester/ Spring (July) Semester

How to apply: See page 26.

English language and admission requirements: See page 27.

If you are completely new to engineering or technology, yet wish to move into the field of engineering, then this course is a great place to start. It is also ideal for those who hold a TAFE diploma (or equivalent) in engineering with significant work experience or those whose don’t meet the admission requirements for direct entry into UTS Engineering technical courses.

This course is structured to allow you to pick up the necessary skills in the area of engineering you would like to specialise in, and can be tailored to the qualifications you hold. Upon completion, you may apply for entry into a UTS: Engineering master’s program (provided you meet the academic requirements).

Note: neither this course nor other UTS: Engineering master’s programs will give you accredited engineer or technologist status.

Note: distance mode is not offered to international students. Very few subjects are offered by distance mode to local students.
UTS offers Alcatel–Lucent certifications in conjunction with the Telecommunication Networks major. The certifications are part of the Service Router Certification (SRC) Program, which is based on Alcatel-Lucent’s 7750 Service Router family. They are ideal for those wanting to work with the most advanced carrier grade IP networks in the world, including the National Broadband Network (NBN) company in Australia.

### ABOUT ALCATEL-LUCENT

Alcatel–Lucent is a global leader in telecommunications, operating in over 130 countries. They are market leaders in the areas of IP networking, ultra-broadband access and cloud technology. Through their Bell Labs researchers, they are pushing the limits of communications and shaping the digital world. Bell Labs is one of the largest research and development facilities in the communications industry and holds eight Nobel Prizes as well as over 29,000 patents.

For more information about the Service Router Certification (SRC) Program visit [www.alcatel-lucent.com/src](http://www.alcatel-lucent.com/src)

### External Alcatel-Lucent exams for the SRC Program can be completed at any global Prometric Testing Center. They are multiple-choice online exams. All exams incur a fee. Note: the NRS II also requires an additional external lab exam.

UTS runs the 2-day short course element of the certifications. In 2015, the approximate cost is A$500 per course.

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### ALCATEL-LUCENT CERTIFICATIONS

<table>
<thead>
<tr>
<th>Alcatel-Lucent Certification</th>
<th>UTS Subject to Be Completed</th>
<th>Required Additional Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Networking Routing Specialist (NRS I)</td>
<td>49202 Communication Protocols [Scalable IP Networks]</td>
<td>&gt; Attend 2-day short course</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; Complete external Alcatel-Lucent exam 4A0-100</td>
</tr>
<tr>
<td>Networking Routing Specialist 2 (NRS2)</td>
<td>49202 Communication Protocols [Scalable IP Networks]</td>
<td>&gt; Attend 2-day short course</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; Complete external Alcatel-Lucent exam 4A0-100</td>
</tr>
<tr>
<td></td>
<td>49201 Integrated Services Networks [Services Architecture]</td>
<td>&gt; Attend 2-day short course</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; Complete external Alcatel-Lucent exam 4A0-104</td>
</tr>
<tr>
<td></td>
<td>42902 Interior Routing and High Availability</td>
<td>&gt; Complete external Alcatel-Lucent exam 4A0-101</td>
</tr>
<tr>
<td></td>
<td>42903 Multi-Protocol Label Switching</td>
<td>&gt; Complete external Alcatel-Lucent exam 4A0-103</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; Complete external 3.5 hour NRS24A0 lab exam</td>
</tr>
<tr>
<td>Certified Network Associate in LTE Networks</td>
<td>42890 4G Mobile Technologies</td>
<td>&gt; Complete external Alcatel-Lucent exam</td>
</tr>
</tbody>
</table>

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Christine Freeburn

**Network Engineer, Information Technology Division, UTS**

“I completed the Alcatel-Lucent NRSI certification. I knew that if I wanted to progress in my line of work, I needed more than just a degree. I’ve started a new job where I am working with Alcatel equipment on a daily basis, and because of the experience the certification has given me, I am able to work autonomously when solving problems such as network connectivity issues within the organisation.”

DOUBLE DEGREES

MASTER OF ENGINEERING MANAGEMENT

MASTER OF BUSINESS ADMINISTRATION

Course Code: C04274
CRICOS code: 081096E
Course duration:
Local: 2 years full-time
4 years part-time
International: 2 years full-time
Study load: 96 credit points
Intake: Autumn (March) / Spring (July)
How to apply: See page 26.
English language and admission requirements: See page 27.

If you want to take your career further and focus on management in a technology-based organisation or department, then this is the course for you. You will learn about advanced project management, decision making and risk management, as well as finance, marketing, accounting and strategic management.

By following the course structure outlined on this page, you can complete the two degrees back to back in the same time as an MBA alone.

<table>
<thead>
<tr>
<th>COURSE STRUCTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFESSIONAL ENGINEERING STREAM</td>
</tr>
</tbody>
</table>

Complete the following subjects:
- Advanced Project Management
- Judgment and Decision Making
- Risk Management in Engineering
- Systems Engineering for Managers

| CORE SUBJECTS (MEM) |

Choose 2 subjects from the following:
- Managing Information Technology in Engineering
- Technology and Innovation Management
- Quality and Operations Management Systems
- Quality Planning and Analysis
- Integrated Logistic Support
- Value Chain Engineering Systems

Complete the following subjects as part of the Project stream:
- Engineering Project Preparation
- Engineering Graduate Project

| CORE SUBJECTS (MBA) |

Complete the following subjects as part of the MBA:
- Organisational Dialogue: Theory and Practice
- Managing, Leadership and Stewardship
- Accounting for Managerial Decisions
- Economics for Management
- People, Work and Employment
- Financial Management
- Marketing Management
- Strategic Management

| TOTAL |

96cp
**MASTER OF ENGINEERING**

**MASTER OF ENGINEERING MANAGEMENT**

**Course Code:** CD4273  
**CRICOS code:** 081095F  
**Course duration:**  
- Local: 2 years full-time  
- 4 years part-time  
- International: 2 years full-time  
**Study load:** 96 credit points (16 subjects)  
**Intake:** Autumn (March) / Spring (July)  
**How to apply:** See page 26.  
**English language and admission requirements:** See page 27.

If you are a qualified engineer, want to move into management while further developing your engineering technical skills, then this is the course for you. You will deepen the technical skills and knowledge acquired in your undergraduate degree by focusing on a major of your choice. You can choose from a variety of management and leadership subjects such as advanced project management, judgment and decision making, risk management in engineering, and leadership and people management. By following the course structure on this page, you can complete the two degrees back to back in only two years, rather than three years individually.

<table>
<thead>
<tr>
<th>COURSE STRUCTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROFESSIONAL ENGINEERING STREAM</strong></td>
</tr>
<tr>
<td>Complete the following subjects:</td>
</tr>
<tr>
<td>Applied Financial Management</td>
</tr>
<tr>
<td>Economic Evaluation</td>
</tr>
<tr>
<td>Leadership and Responsibility</td>
</tr>
<tr>
<td>Quality Planning and Analysis</td>
</tr>
<tr>
<td>Value Chain Engineering Systems</td>
</tr>
<tr>
<td>Choose 2 subjects from the following:</td>
</tr>
<tr>
<td>Advanced Project Management</td>
</tr>
<tr>
<td>Judgment and Decision Making</td>
</tr>
<tr>
<td>Risk Management in Engineering</td>
</tr>
<tr>
<td>Systems Engineering for Managers</td>
</tr>
<tr>
<td><strong>ME major choice:</strong></td>
</tr>
</tbody>
</table>
| Complete 7 subjects as part of your chosen major.  
See Majors on page 18 | |
| **Electives** | 12cp |
| Choose 2 electives | |
| **TOTAL** | 96cp |

Please note: Elective subjects are taken from postgraduate level faculty subjects and may need prior approval.  
You may also need pre-requisite knowledge for some electives.

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**Associate Professor Guang Hong**  
**Deputy Head of School**  
**Electrical Mechanical and Mechatronic Systems**

Associate Professor Guang Hong is an expert in internal combustion engines and lectures in the subjects of Thermodynamics, Air Conditioning and Internal Combustion Engines. Her research is presently focused on developing new techniques for using renewable fuels more effectively and efficiently.

“I believe the practice-based learning model supported by advanced facilities in the new Engineering and IT building is what sets UTS apart from other universities.

I thoroughly enjoy working with students on industry sponsored projects. A great example of this was when I supervised a group of PhD students who collaborated with Victa Lawn care to increase the efficiency of the lawn mower engine, effectively reducing the hydrocarbon emissions.”

THE FOLLOWING IS AN OVERVIEW OF SUBJECTS AVAILABLE IN EACH MAJOR. FOR DETAILED COURSE STRUCTURES AND REQUIREMENTS VISIT THE UTS: ENGINEERING HANDBOOK AT HANDBOOK.UTS.EDU.AU/ENG

Within each major, a project component is incorporated comprising two subjects (12 credit points). These subjects are:
> Engineering Project Preparation
> Engineering Graduate Project

<table>
<thead>
<tr>
<th>MAJORS</th>
<th>BIOMEDICAL ENGINEERING</th>
<th>ENERGY PLANNING AND POLICY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>2 compulsory subjects</td>
<td>Core - 5 compulsory subjects</td>
</tr>
<tr>
<td></td>
<td>Biomedical Instrumentation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biomedical Signal Processing</td>
<td>Electric Sector Planning and Restructuring</td>
</tr>
<tr>
<td>Choice - choose 3 subjects from the</td>
<td></td>
<td>Energy Modelling</td>
</tr>
<tr>
<td>following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced Robotics</td>
<td>Environmental Policy for Energy Systems</td>
</tr>
<tr>
<td></td>
<td>BioNanotechnology</td>
<td>Evaluation of Infrastructure Investments</td>
</tr>
<tr>
<td></td>
<td>Bioinformatics</td>
<td>Regulatory Economics</td>
</tr>
<tr>
<td></td>
<td>Human Anatomy and Physiology</td>
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<td></td>
<td>Human Pathophysiology</td>
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<tr>
<td></td>
<td>Medical Devices and Diagnostics</td>
<td></td>
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<tr>
<td></td>
<td>Medical Imaging</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neural Networks and Fuzzy Logic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physiological Bases of Human Movement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wireless Networking Technologies</td>
<td></td>
</tr>
</tbody>
</table>

| CIVIL ENGINEERING                       | Core - 2 compulsory subjects                                                          | Core - 2 compulsory subjects                                                            |
|                                        | Concrete Technology and Practice                                                      | Advanced Water and Wastewater Treatment                                                |
|                                        | Road Engineering Practice                                                             | Green Technologies: Water-Waste-Energy Nexus                                           |
| Choice - choose 3 subjects from the    |                                                                                       |                                            |                                            |
| following:                             |                                                                                       |                                            |                                            |
|                                        | Advanced Soil Mechanics and Foundation Design                                         |                                            |                                            |
|                                        | Application of Timber in Engineering Structures                                       |                                            |                                            |
|                                        | Applied Geotechnics                                                                   |                                            |                                            |
|                                        | Bridge Design                                                                         |                                            |                                            |
|                                        | Catchment Modelling                                                                   |                                            |                                            |
|                                        | Facade Engineering                                                                    |                                            |                                            |
|                                        | Finite Element Analysis                                                               |                                            |                                            |
|                                        | Flood Estimation                                                                      |                                            |                                            |
|                                        | Geographic Information Systems                                                        |                                            |                                            |
|                                        | Local Government Powers and Practice                                                  |                                            |                                            |
|                                        | Pavement Analysis and Design                                                          |                                            |                                            |
|                                        | Prestressed Concrete Design                                                           |                                            |                                            |
|                                        | Problematic Soils and Ground Improvement Techniques                                   |                                            |                                            |
|                                        | Structural Dynamics and Earthquake Engineering                                        |                                            |                                            |
|                                        | Traffic and Transportation                                                            |                                            |                                            |
|                                        | Urban Stormwater Design                                                               |                                            |                                            |

| COMPUTER CONTROL ENGINEERING           | Core - 2 compulsory subjects                                                          | Core - 2 compulsory subjects                                                            |
|                                        | Advanced Robotics                                                                     | Applied Geotechnics                                                                      |
|                                        | Neural Networks and Fuzzy Logic                                                       | Problematic Soils and Ground Improvement Techniques                                     |
| Choice - choose 3 subjects from the    | Biomedical Instrumentation                                                             |                                            |                                            |
| following:                             | Systems Quality Management                                                             |                                            |                                            |
|                                        | Web Technologies                                                                      |                                            |                                            |
|                                        | Wireless Networking Technologies                                                       |                                            |                                            |
|                                        | Wireless Sensor Networks                                                              |                                            |                                            |

| ENVIRONMENAL ENGINEERING               | Core - 2 compulsory subjects                                                          | Core - 2 compulsory subjects                                                            |
|                                        | Advanced Water and Wastewater Treatment                                               | Applied Geotechnics                                                                      |
|                                        | Green Technologies: Water-Waste-Energy Nexus                                          | Problematic Soils and Ground Improvement Techniques                                     |
| Choice - choose 3 subjects from the    |                                            |                                            |                                            |
| following:                             |                                            |                                            |                                            |
|                                        | Air and Noise Pollution                                                               |                                            |                                            |
|                                        | Contaminated Site and Waste Remediation                                               |                                            |                                            |
|                                        | Decentralised Water and Wastewater Treatment                                         |                                            |                                            |
|                                        | Engineered Natural Water Treatment Systems                                             |                                            |                                            |
|                                        | Environmental Assessment and Planning                                                |                                            |                                            |
|                                        | Geographic Information Systems                                                       |                                            |                                            |
|                                        | Industrial Water Pollution Control Engineering                                        |                                            |                                            |
|                                        | Waste and Pollution Management                                                       |                                            |                                            |

| GEOTECHNICAL ENGINEERING              | Core - 2 compulsory subjects                                                          | Core - 2 compulsory subjects                                                            |
|                                        | Applied Geotechnics                                                                   | Advanced Soil Mechanics and Foundation Design                                           |
|                                        | Problematic Soils and Ground Improvement Techniques                                   |                                            |                                            |
| Choice - choose 3 subjects from the    |                                            |                                            |                                            |
| following:                             |                                            |                                            |                                            |
|                                        | Advanced Soil Mechanics and Foundation Design                                         |                                            |                                            |
|                                        | Contaminated Site and Waste Remediation                                               |                                            |                                            |
|                                        | Environmental Management of Land                                                      |                                            |                                            |
|                                        | Geographic Information Systems                                                       |                                            |                                            |
|                                        | Pavement Analysis and Design                                                          |                                            |                                            |
|                                        | Road Engineering Practice                                                             |                                            |                                            |
|                                        | Traffic and Transportation                                                            |                                            |                                            |

| LOCAL GOVERNMENT ENGINEERING           | Core - 2 compulsory subjects                                                          | Core - 2 compulsory subjects                                                            |
|                                        | Local Government Powers and Practice                                                  | Applied Geotechnics                                                                      |
|                                        | Traffic and Transportation                                                            | Problematic Soils and Ground Improvement Techniques                                     |
| Choice - choose 3 subjects from the    |                                            |                                            |                                            |
| following:                             |                                            |                                            |                                            |
|                                        | Advanced Project Management                                                           |                                            |                                            |
|                                        | Environmental Assessment and Planning                                                |                                            |                                            |
|                                        | Environmental Management of Land                                                      |                                            |                                            |
|                                        | Pavement Analysis and Design                                                          |                                            |                                            |
|                                        | Road Engineering Practice                                                             |                                            |                                            |
|                                        | Traffic and Transportation                                                            |                                            |                                            |
|                                        | Urban Stormwater Design                                                               |                                            |                                            |
|                                        | Waste and Pollution Management                                                       |                                            |                                            |
|                                        | Water Supply and Wastewater Management                                               |                                            |                                            |
MANUFACTURING ENGINEERING AND MANAGEMENT

Core - 2 compulsory subjects
- Computer-aided Mechanical Design
- Design Optimisation for Manufacturing

Choice - choose 3 subjects from the following:
- Advanced Flow Modelling
- Air and Noise Pollution
- Airconditioning
- Computer-aided Mechanical Design
- Control of Mechatronic Systems
- Energy Conversion
- Internal Combustion Engines
- Managing Projects
- Materials Handling
- Sensors and Signal Processing
- Turbomachines

OPERATIONS ENGINEERING

Core - 2 compulsory subjects
- Operations Engineering
- Quality and Operations Management Systems

Choice - choose 3 subjects from the following:
- Integrated Logistic Support
- Quality Planning and Analysis
- Reliability Availability and Maintainability
- Technology and Innovation Management
- Value Chain Engineering Systems

SOFTWARE SYSTEMS ENGINEERING

Core - 2 compulsory subjects
- Advanced and Distributed Operating Systems
- Parallel and Multicore Computing

Choice - choose 3 subjects from the following:
- Cloud Computing and Software as a Service
- Object-oriented Technology
- Real-Time Computing in C++
- Web Technologies
- Wireless Sensor Networks

STRUCTURAL ENGINEERING

Core - 2 compulsory subjects
- Finite Element Analysis
- Structural Dynamics and Earthquake Engineering

Choice - choose 3 subjects from the following:
- Advanced Soil Mechanics and Foundation Design
- Application of Timber in Engineering Structures
- Bridge Design
- Concrete Technology and Practice
- Design for Durability
- Facade Engineering
- Prestressed Concrete Design

TELECOMMUNICATIONS ENGINEERING

Core - 2 compulsory subjects
- Transmission Systems
- Telecommunications Industry Management

Choice - choose 3 subjects from the following:
- 3G Mobile Communication Systems
- 4G Mobile Technologies
- Integrated Services Networks
- Satellite Communication Systems
- Telecommunications Engineering Review
- Telecommunications Signal Processing
- Wireless Networking Technologies

TELECOMMUNICATION NETWORKS

Core - 2 compulsory subjects
- Communication Protocols
- Telecommunication Networks Management

Choice - choose 3 subjects from the following:
- 3G Mobile Communication Systems
- Enterprise Software Architecture and Middleware
- Fundamentals of Software Development
- Integrated Services Networks
- Interior Routing and High Availability
- Mobile Commerce Technologies
- Mobile Communications and Computing
- Multi Protocol Label Switching
- Telecommunications Engineering Review
- Telecommunications Industry Management
- Telecommunications Signal Processing
- Web Technologies
- Wireless Networking Technologies

WATER ENGINEERING

Core - 2 compulsory subjects
- Catchment Modelling
- Urban Stormwater Design

Choice - choose 3 subjects from the following:
- Contaminated Site and Waste Remediation
- Decentralised Water and Wastewater Treatment
- Emergency Management
- Engineered Natural Water Treatment Systems
- Environmental Management of Land
- Flood Estimation
- Floodplain Risk Management in NSW

NO SPECIFIED MAJOR

See the Handbook for course structure at www.handbook.uts.edu.au/eng/pg

For a list of subjects available to students undertaking no specified major, visit www.handbook.uts.edu.au/directory/cbk90968

Disclaimer: not all subjects listed are offered every semester or year
Yuan Zhuang
PhD student, Centre for Green Energy and Vehicle Innovation

Yuan Zhuang is researching internal combustion engines in light of producing a more efficient way to utilise ethanol as fuel. His studies have already shown that utilising different engine operating conditions and a different ratio of ethanol to gasoline can achieve better engine thermal efficiency and lower emissions. “Previous pre-blended methods with a fixed ratio haven’t been able to take full advantage of the ethanol. However, using two types of fuel delivery systems in one engine means we can really improve engine performance and cut down emissions.”

“Drivers can instantaneously shift from one delivery system to the other to better suit engine cycles and fully maximise engine performance. It has been really amazing to be able to explore a new realm of the world that others have never touched.”

Read more at www.uts.edu.au/yuan-zhuang

Research within the Faculty of Engineering and Information Technology is highly advanced, industry-focused and part of a lively and rigorous research culture at UTS.

Our world-class research is focused on ‘practical innovation’, pioneering research solutions with real-world impact. Our researchers are recognised leaders in their fields, responsible for the delivery of cost-effective, innovative solutions to current national and international challenges.

The Faculty of Engineering and Information Technology is a major force in many of UTS’s research strengths. These include:

> intelligent mechatronic systems
> quantum computation and intelligent systems
> innovation in IT services and applications
> health technologies
> green energy vehicle innovation
> real-time information networks
> built infrastructure
> technology in water and wastewater
> advanced analytics
> electrical machines and power electronics
> energy policy
> human-centred technology design

Director of Research Programs – Associate Professor Mehran Abolhasan

As a Master of Engineering (Research) or PhD student, you must find an academic with expertise in your chosen field to supervise your research. As we focus on industry collaboration, proposals that involve direct working relationships with industry professionals are strongly encouraged.

Applicants must secure the agreement of a supervisor prior to lodging an application.

For more information on Research in the Faculty of Engineering and Information Technology, including research areas and academic supervisors, visit www.feit.uts.edu.au or email feit.research@uts.edu.au
MASTER OF ENGINEERING (RESEARCH)

Course duration:
Local: 2 years full-time
4 years part-time
International: 2 years full-time
Course Code: C03017
CRICOS code: 009468B
Intake: Autumn (March) / Spring (July)

This course enables you to extend and deepen your knowledge of a specialised area in engineering by undertaking research under the supervision of a member of academic staff.

DOCTOR OF PHILOSOPHY

Course duration:
Local: 4 years full-time
8 years part-time
International: 4 years full-time
Course Code: C02018
CRICOS code: 036570B
Intake: Autumn (March) / Spring (July)

A PhD involves an intense period of supervised study and research, culminating in the submission of a thesis. You must, through original investigation, make a distinct and significant contribution to the knowledge of your field of specialisation.

RESEARCH SUPPORT

The Graduate Research School provides support to research students, supervisors and early and mid-career researchers at UTS. They offer development through research education programs, policy development, advice and scholarships. For more information visit www.gradschool.uts.edu.au or contact:

UTS Graduate Research School
Tel: +61 2 9514 1336
Email: gtrs@uts.edu.au

RESEARCH SCHOLARSHIPS

UTS offers a range of scholarships for research students. For more information visit www.uts.edu.au/future-students/scholarships

HOW TO APPLY
Please refer to page 26.

“Using two types of fuel delivery systems in one engine means we can really improve engine performance and cut down emissions.”

Yuan Zhuang
OUR RESEARCH STRENGTHS IN ENGINEERING

The **Centre for Green Energy and Vehicle Innovations** combines expertise from the former Centre for Intelligent Mechatronic Systems and Centre for Electrical Machines and Power Engines. It provides solutions for the rapidly expanding high-tech and overlapping industrial sectors for green energy systems and advanced low emission vehicles. Its vision to bring eco-friendly vehicles to mainstream motoring led to the recently designed dual clutch system for the Beijing Electric Vehicle Company.

The **Centre for Technology in Water and Wastewater** ensures the sustainable management of water resources in both urban and rural environments, here in Australia and internationally. Its research programs include: innovative treatment systems and technologies for water, wastewater and storm water; sustainable desalination techniques; advanced systems for ground and surface water treatment; and flood management and catchment modelling for flood prediction.

The **Centre for Energy Policy** addresses contemporary energy and environmental policy issues in national and international contexts. It is policy-oriented, applied and cross-disciplinary, emphasising the weaving together of technical, business, economic, legal, social, political and philosophical dimensions of energy, environmental and economic policies. Key focus areas include: energy market reforms; environmental policy options; and energy-economy interactions.

The **Centre for Health Technologies** uses cutting-edge biomedical engineering and biotechnology science to develop biomedical devices and systems. It focuses on health and disease processes; the development of new devices; and advanced methods for the early detection, diagnosis and rehabilitation of cardiovascular disease, diabetes, neurological disorders and cancer. Its four research programs include: non-invasive instrumentation; bio-therapeutics; bio-electromagnetics; and nano-biotechnology.
The Centre for Real-Time Information Networks delivers practical solutions to complex distributed real world problems by applying appropriate real-time information and communication technologies to engineering systems. It focuses on applied research with the aim of providing social benefit and holds close links with both industry and research bodies working in the application domain. Its areas of research include: embedded systems; web design; wired and wireless communications; network management; and real-time systems.

The Centre for Built Infrastructure Research is one of the earliest research centres at UTS. It addresses important global issues relating to building structures, materials, design, management, improvement, safety and conservation. Its research areas include: using smart materials for dynamic and structural engineering; innovative timber engineering; earthquake engineering; geotechnical engineering; and materials engineering such as eco-friendly ‘green cement’. It also houses the largest state-of-the-art shaker table facility in Australia.

The Centre for Autonomous Systems focuses on two key issues in robotics: ‘robots in unknown and complex environments’ and ‘human robot interaction’. Its research strengths include: autonomous robots; electrical machines; automotive systems; and investigation of human-machine and human-environment interaction. Its grit-blasting robotic technology, now used to clean the Sydney Harbour Bridge, was successfully commercialised by SABRE Autonomous Solutions.

For more information, visit www.feit.uts.edu.au or email feit.research@uts.edu.au
STUDENT SERVICES

Orientation
http://uts.ac/1yKRIUI

The UTS orientation program welcomes you to university life and helps you to get the most out of your student experience. Discover the services available, find out course and subject information, tips on living in Sydney and meet new friends. All students are expected to attend orientation activities and orientation is compulsory for international students. For continuing students the Introduction/Transition to Study Weeks will provide transition to study activities and information on courses/subjects.

Peer Network
http://uts.ac/UTSpeernetwork

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

UTS International

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

An Open and Respectful Environment
http://uts.ac/1Htop98

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

Higher Education Language and Presentation Support (HELPs)

UTS provides free English language and academic literacy skills assistance to students. Services include weekly study, reading and speaking skills workshops, writing clinics and daily drop in consultation. Practise speaking English with staff and student volunteers through the daily Conversations@UTS sessions.

Peer Learning – U:PASS

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

KickStart@UTS
http://uts.ac/kickstartatuts

The KickStart@UTS program introduces new international research degree students to the various sources of support available to assist you in preparing for research study.

Your Pathway to Graduate Success

Your career is in your hands: preparation for graduate success can start from your first months at university as you begin building your professional network. UTS offers resources and tools to guide you on the path to your professional career.

To find out more about support services, visit www.uts.edu.au/current-students/support
FEES AND FINANCIAL ASSISTANCE

TUITION FEES

Local Students
All UTS: Engineering postgraduate coursework programs are fee-paying. Tuition fees are charged:
> based on the particular course in which you are enrolled
> based on the number of credit points in which you are enrolled
> at the rates set for that course for the current year (these are revised annually)

For further information on fees for postgraduate students at UTS, visit www.fees.uts.edu.au

Australian and New Zealand citizens and Australia permanent residents applying for a research degree are eligible for a Research Training Scheme (RTS) place.

International Students
Tuition fees vary from one course to another, and must be paid in advance each semester. Fees are determined by the number of credit points being undertaken in that semester. Unless noted, the quoted semester tuition fee assumes you will enrol in a standard 100% credit point load for your chosen course, which is normally 24 credit points per semester. Your actual semester course cost may differ from this figure depending on the course and the number of credit points taken per semester. Textbooks and other course materials are additional expenses.

As an international student you are required to complete your degree on time. This normally involves being enrolled full-time each semester. Note: fees are subject to increase each year.

For detailed information about tuition fees for UTS courses and the UTS Fees and Refund Protocol, visit www.international.uts.edu.au

Health Cover for International Students
To be granted a student visa by the Australian Government, Overseas Student Health Cover (OShC) is required. It is also a visa condition and your responsibility as a student to maintain this health cover throughout your stay in Australia. OSHC covers students for emergency medical attention through the public health system. The university can arrange visa-length cover for you, the cost of which is to be paid at the same time as tuition fees. As a guide, the cost for single cover without extras in 2015 was A$341.25 for 7 months and A$682.50 for 14 months.

Student Services and Amenities Fee
Local and international students are required to pay a Student Services and Amenities Fee. This fee funds services and amenities at UTS such as social and cultural clubs, services for developing students study skills, UTS food, beverage and retail outlets (including a 10% discount for students), the free legal services centre for students, and the second-hand bookstore.

In 2015 the Student Services and Amenities fee was A$143. If you’re an Australian citizen or on a humanitarian visa, this fee may be deferred through a new government loan scheme called SA-HELP. For more information see www.fees.uts.edu.au

FINANCIAL ASSISTANCE

FEE-HELP is a government loan scheme that assists eligible local students to pay their tuition fees. Using FEE-HELP means you do not have to pay your tuition fees up-front. You can inform your employer that you have a FEE-HELP loan and they will withhold your payments through the PAYG tax system. If your postgraduate degree is related to your employment, your tuition fees may be tax deductible. For more information, contact your financial advisor or the Australian Taxation Office. Or visit www.ato.gov.au

For more information about FEE-HELP visit www.studyassist.gov.au or call 1800 020 108.
APPLYING TO UTS

COURSEWORK APPLICANTS

Local students
You can submit your application for a postgraduate coursework degree:

> in person at one of our postgraduate information evenings. Normally these evenings are held in April and June for the Spring semester intake and September, November and January for the Autumn semester intake. For more information or to register to attend, visit www.eng.uts.edu.au

> online through the Universities and Admissions Centre (UAC) at www.uac.edu.au/postgraduate

Application dates

Autumn semester
(commencing March 2016)
Opens: 3 September 2015
Closes: Round 1 – 30 October 2015
Round 2 – 29 January 2016

Spring semester
(commencing August 2016)
Opens: 3 September 2015
Closes: Round 1 – 31 May 2016
Round 2 – 30 June 2016

For both Autumn and Spring semesters, offers are made progressively from late September 2015.

Applications submitted after the main closing date for each intake will be considered. Note: offers made to suitable applicants are subject to the availability of places.

International students
You may apply to UTS at any time. The closing dates for applications for particular semesters are as follows:

> Autumn semester
  (commencing March 2016)
  15 December 2015

> Spring semester
  (commencing July 2016)
  15 June 2016

Late applications will not be accepted. It is best to apply early to allow yourself plenty of time to organise your Australian student visa to study at UTS.

For information or to download the application form, visit www.international.uts.edu.au or contact UTS: International:

General enquiries
Tel: 1800 774 816 (free call within Australia)
Tel: +61 3 9627 4816 (for international calls)
Email: international@uts.edu.au

Application enquiries
Tel: +61 2 9514 1531
Email: international.applications@uts.edu.au
(for general application enquiries)
international.research@uts.edu.au
(for research application enquiries)

Face-to-face enquiries
To have your questions about studying at UTS answered face-to-face, you can:

> visit a UTS student recruitment agent: find an agent in your country by visiting www.uts.ac/AgentFind

> speak with a UTS representative at a UTS International event: check our listing at www.uts.edu.au/future-students/international/international-events

Scholarships for international students
The Faculty offers generous scholarships to international students. For further information, including eligibility criteria and application deadlines, visit www.uts.edu.au/future-students/scholarships
RESEARCH APPLICANTS

Applications for postgraduate research can be submitted to UTS’s Graduate Research School. Applicants are required to consider the area of research they want to pursue, draft a research proposal and find a supervisor prior to lodging an application.

Visit www.uts.ac/apply-for-research for more information on the application process or email feit.research@uts.edu.au

Research Application Dates

Autumn semester (commencing March 2016) – 30 October 2015

Spring semester (commencing July 2016) – 31 May 2016*

Autumn semester (commencing March 2017) – 31 October 2016*

*Closing dates to be confirmed. Please check with the website for updates.

NON-AWARD STUDY

Local students can study single Engineering subjects without committing to a full degree (this is called non-award study). This type of study may be undertaken out of personal interest or to upgrade skills or knowledge in a specific area. Successful completion of these subjects may be recognised in future study.

To apply, visit www.uts.ac/non-award-study

ENGLISH LANGUAGE REQUIREMENTS

If your previous education was not conducted in English, you may be required to demonstrate proficiency in English by completing an English language test or program recognised by UTS. As a guide, the scores required are shown below:

<table>
<thead>
<tr>
<th>TYPE OF STUDY PROGRAM</th>
<th>IELTS (ACADEMIC STRAND)</th>
<th>TOEFL (INTERNET BASED)</th>
<th>PTE (ACADEMIC)</th>
<th>CAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate coursework</td>
<td>6.5 overall with a writing score of 6.0</td>
<td>79-93 overall with a writing score of 21</td>
<td>58-64</td>
<td>176 overall with a writing score of 169</td>
</tr>
<tr>
<td>Postgraduate research</td>
<td>6.0 overall with a writing score of 6.0</td>
<td>60-78 overall with a writing score of 21</td>
<td>50-57</td>
<td>169 overall with a writing score of 169</td>
</tr>
</tbody>
</table>

TIMETABLE INFORMATION

The UTS Timetable Builder allows you to view current semester timetables to get an idea of when subjects may be scheduled and offered. Visit www.timetable.uts.edu.au

ADMISSION REQUIREMENTS

Unless otherwise stated under the course description, applicants must have completed a UTS recognised bachelor’s degree or equivalent, or submitted other evidence of general and professional qualifications that demonstrate your potential to pursue graduate studies.
CONTACT US

Local students
Tel: 1300 ASK UTS (1300 275 887)
Online inquiry ask.uts.edu.au
Email: FEITOutreach@uts.edu.au

International students
Tel: 1800 774 816
(free call within Australia)
Tel: +61 3 9627 4816
(for international calls)
Web: www.international.uts.edu.au
Email: international@uts.edu.au

Come along to a UTS: Engineering Postgraduate Information Evening.
Register at www.eng.uts.edu.au

Disclaimer: Courses and electives are offered subject to numbers. The information in this brochure is provided for Australian and New Zealand Citizens and Australian Permanent Residents. If you are an international student, please consult the International Course Guide available from UTS International. Information is correct at time of printing (June 2015) and is subject to change without notice. Changes in circumstances after this date may alter the accuracy or currency of the information. UTS reserves the right to alter any matter described in this brochure without notice. Readers are responsible for verifying information that pertains to them by contacting the university.