UTS: ENGINEERING

POSTGRADUATE COURSES 2013

eng.uts.edu.au
CONTENTS

3 Why Postgraduate Engineering at UTS?

MANAGEMENT COURSES
MANAGEMENT
4 Master of Engineering Management
6 Master of Engineering Management/ Master of Business Administration
6 Graduate Certificate in Engineering Management

ENVIRONMENTAL
8 Master of Environmental Engineering Management
9 Graduate Certificate in Environmental Engineering Management

TECHNICAL COURSES
10 Master of Engineering Studies
12 Master of Engineering
14 Graduate Certificate in Engineering
16 Alcatel-Lucent Certification
18 Postgraduate Engineering Majors

RESEARCH DEGREES
24 Master of Engineering (Research)
24 Doctor of Philosophy

HOW TO APPLY
26 Credit recognition
26 How to apply
26 Fees
26 Semester dates
26 Timetable information
27 Contact us

FACULTY SNAPSHOT
7354 students
1979 postgraduate coursework students
415 higher degree research students
347 staff across the Faculty of Engineering and IT

UTS AT A GLANCE
35,772 students
31,264 students at the City campus
9301 international students
23,196 undergraduate students
11,331 postgraduate coursework students
1245 higher degree research students
2797 staff

UTS STUDENT DIVERSITY
41% are 25 years or older
180+ languages other than English are spoken by the UTS student body
RIGOROUS, INDUSTRY-RELEVANT AND HIGHLY PRACTICAL, UTS:ENGINEERING WILL TAKE YOUR CAREER TO THE NEXT LEVEL.

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.

BY ENGINEERS, FOR ENGINEERS
All UTS: Engineering courses are reviewed regularly by our Industry Advisory Network which ensures that they remain completely in line with current industry practice. Our postgraduate management courses are designed by professionals and academics with a thorough knowledge of management in technical environments. People who understand the industry teach subjects using real-life examples relevant to your profession.

INTERNATIONAL COLLABORATION
UTS: Engineering is actively engaged with institutions around the world, such as MIT, through adjunct professors, collaborative research and technology sharing. This means that our teaching is always up to date with the latest developments in the field, nationally and internationally.

OUTSTANDING FACILITIES
In 2010, Alcatel-Lucent chose UTS as its first co-located higher education partner in the world, giving you access to a state-of-the-art million dollar carrier-class networking laboratory located on the UTS campus.

In addition, a new A$229 million, environmentally friendly building to house the Faculty of Engineering and Information Technology is currently under construction and is scheduled for completion in 2014.

STRIKE A WORK-LIFE BALANCE
Benefit from classes scheduled to minimise disruption to your professional commitments. All courses are available part or full-time, and you can vary the number of subjects you take per semester if you have more or less time available to study.

Courses are delivered through a combination of distance, block and weekly attendance and most classes are held during the evening.

RECOGNITION OF YOUR PREVIOUS STUDIES...
If you have completed an engineering or general postgraduate degree prior to embarking on a UTS:Engineering postgraduate course, you can apply to have up to 12 credit points – two subjects – credited towards your qualification.

UTS Bachelor of Engineering graduates who completed postgraduate subjects as part of their bachelor’s degree can apply for up to 18 credit points to be credited towards their master’s.

...AND EXPERIENCE
UTS recognises that you may have developed your skills through on-the-job training, vocational training or a combination of both. In this case, your prior learning can still be taken into account. Your likely pathway is to begin with a graduate certificate, articulating into a master’s program with no time lost.

ARTICULATED PROGRAMS TO FIT YOUR NEEDS
The majority of our courses are fully articulated, meaning that you can begin with a four subject (24 credit point) graduate certificate and apply to have your points credited towards an appropriate master’s degree. Or, if you complete the first 24 credit points of the master’s and choose not to continue with your studies, you may still graduate with a graduate certificate.

UNBEATABLE LOCATION
The UTS City campus is in the heart of Sydney. Just five minutes’ walk from Central Station, it’s close to the CBD and easily accessible by bus and train. There are also a number of parking stations close to campus that offer discounted student rates.

1 Note that delivery options vary by subject, and not all delivery modes are available for all subjects.
2 On the condition that the subjects for which credit is granted are appropriate for the award being studied.
“Studying the Masters of Engineering Management degree gave me a broader understanding of engineering management techniques which are applicable across various industries.”

Monica Yee
MASTER OF ENGINEERING MANAGEMENT (MEM)

Course Code: C04094
CRICOS Code: 008685A
Study load: 8 subjects (48 credit points)
Duration: 1 yr full-time, 2 yrs part-time
Admission requirements: A recognised bachelor’s degree.

The Master of Engineering Management (MEM) is a course specifically designed for engineers, technical specialists and others who want to develop their management capability in a technical environment.

The course is well established, having run for over 20 years. It is popular and highly regarded in industry, both locally and internationally. It is rigorous, industry-relevant and taught by experienced professionals.

Our flexible approach to course delivery means that you can select subjects that fit your career aspirations, and a mode of delivery that suits your schedule. The program is structured for evening attendance or distance learning, and some subjects may be offered through intensive block or summer session classes.

Course structure
Choose six of the following subjects (36 cp)
> Accounting for Managerial Decisions
> Economic Evaluation
> Engineering Financial Control
> Judgment and Decision Making
> Leadership and Responsibility
> Managing Work and People
> Managing Projects
> Quality Planning and Analysis
> Systems Engineering for Managers
> Value Chain Engineering Systems
+ Two electives (12 cp)
Choose two electives from the list of UTS:Engineering postgraduate subjects (see the Handbook www.handbook.uts.edu.au/eng)

MONICA YEE
Masters of Engineering Management
Civil Engineer, Opus International Consultants

“I decided to undertake a postgraduate engineering degree because I am aiming for chartered engineering status. I did my undergraduate engineering at UTS and felt that they employed effective teaching techniques. Studying the Masters of Engineering Management degree gave me a broader understanding of engineering management techniques which are applicable across various industries. Most of all, the leadership skills I gained have helped me appreciate the non-technical side of engineering which is critical for the overall success of any project.

As many postgraduates do, I worked full-time while studying via correspondence which is challenging and requires precise time management, personal management and the need to keep on track with achieving your goals.

To get the most out of the degree, I feel that it is advisable to do postgraduate studies right after an undergraduate degree, but essentially, the most important thing that I can advise future students is to remember that what you put in is what you get out.”
GRADUATE CERTIFICATE IN ENGINEERING MANAGEMENT

Course Code: C11054
CRICOS Code: 024395M
Study load: 4 subjects (24 credit points)
Duration: 0.5 yr full-time, 1 yr part-time
Admission requirements: A recognised bachelor’s degree, or equivalent or higher qualification. Applicants without a degree who have a TAFE Diploma or equivalent with relevant work experience in the field may also apply.

This course will enable you to extend the knowledge and skills gained in your first degree, and is ideal for working engineers and technologists who wish to update their knowledge with recent advances in engineering, technology and business practice.

You can tailor the course to fit your needs, selecting three core subjects (18 cp) plus either another core subject or one elective subject.

All subjects in the GradCertEM are taken from the Master of Engineering Management (MEM), which means that this course can be fully credited towards completion of the MEM, 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).

The course is offered part or full-time, by on-campus classes (typically in the evenings) or distance mode.

Course structure
Choose three of the following subjects (18 cp)
> Accounting for Managerial Decisions
> Economic Evaluation
> Engineering Financial Control
> Judgment and Decision Making
> Leadership and Responsibility
> Managing Work and People
> Managing Projects
> Quality Planning and Analysis
> Systems Engineering for Managers
> Value Chain Engineering Systems

+ One elective (6 cp)

DOUBLE YOUR DEGREE
MASTER OF ENGINEERING MANAGEMENT (MEM)/MASTER OF BUSINESS ADMINISTRATION (MBA)

MEM Course Code: C04094
MEM CRICOS Code: 008685A
MBA Course Code: C04018
MBA CRICOS Code: 025004A
Study load: 16 subjects (96 credit points)
Duration: 2 yrs full-time, 4 yrs part-time
MEM Admission requirements: A recognised bachelor’s degree.

If your career is moving into management, your completed Master of Engineering Management can be used as credit towards a Master of Business Administration (Technology Management).

In collaboration with the UTS Business School we have developed a unique pathway which provides both the advantage of a generalist MBA and our flagship MEM.

By undertaking a specific set of subjects in the MEM, you can maximise your credit (8 subjects, or 48 credit points) towards the Master of Business Administration (Technology Management), and complete the degrees back to back and in the same time as an MBA alone.

Course structure
Choose the following
MEM subjects (36 cp)
> Accounting for Managerial Decisions
> Judgment and Decision Making
> Managing Work and People
> Managing Projects
> Quality Planning and Analysis
> Systems Engineering for Managers

MBA subjects (36 cp)
> Economics for Business
> Financial Management
> Management and Organisations
> Marketing Management
> Organisational Dialogue: Theory and Practice
> Strategic Management

+ Two of the following subjects for the MEM and another two for the MBA (24 cp)
> Managing Information Technology in Engineering
> Risk Management in Engineering
> Quality and Operations Management Systems
> Technology and Innovation Management
“The MEM has a very strong reputation in industry. The course has been established for over 20 years and the teaching staff, on average, have over 18 years of industry experience to draw on.”

Associate Professor Tom Anderson

ASSOCIATE PROFESSOR TOM ANDERSON
School of Systems, Management and Leadership

Tom Anderson is a lecturer in the Master of Engineering Management. He was appointed directly from industry in 1987, where he had spent 17 years with the RTA as a design engineer, construction project manager and contract administrator. He co-developed the AUSTROADS range of standard PSC Trough Girders and was directly responsible for supervising the contract for the Mooney Mooney Creek twin bridges – at the time the second-longest cantilever box-girders in the world.

Once appointed to UTS:Engineering, Tom modernised and streamlined all of the postgraduate coursework programs, which improved integration between courses, enhanced the teaching program and dramatically improved their popularity.

He has since introduced the Master of Engineering Management (MEM) into China and Taiwan and has led the development of the Bachelor of Engineering Science in Hong Kong, articulating it from higher diploma to undergraduate degree.

Tom is the recipient of a number of teaching excellence awards, including the Australian National Award for university teaching and the IEAust (Engineers Australia) Excellence Award for Engineering training.
MASTER OF ENVIRONMENTAL ENGINEERING MANAGEMENT

Course code: C04098
CRICOS Code: 027917K
Study load: 8 subjects (48 credit points)
Duration: 1 yr full-time, 2 yrs part-time
Admission requirements: An engineering or other technological/applied science degree from a recognised tertiary institution.

This course is designed for engineers and technical specialists who want to take a leadership role in the area of environmental engineering. It combines key environmental subjects with management and policy subjects to enable you to lead multidisciplinary teams working in environmental engineering, within government agencies, private corporations or as an external consultant.

The course is offered part or full-time, by a mixture of on-campus classes (typically in the evenings), block or distance mode.

Course structure
Choose six of the following subjects (36 cp)
> Air and Noise Pollution
> Contaminated Site and Waste Remediation
> Ecology and Sustainability
> Environmental Assessment and Planning
> Environmental Management of Land
> Engineered Natural Water Treatment Systems
> Environmental Risk Assessment
> Geographic Information Systems
> On-site Water and Wastewater Treatment
> Waste and Pollution Management

+ Two of the following subjects (12 cp)
> Economic Evaluation
> Judgment and Decision Making
> Local Government Powers and Practice
> Managing Projects
GRADUATE CERTIFICATE IN ENVIRONMENTAL ENGINEERING MANAGEMENT

Course Code: C11051
CRICOS Code: 025809G
Study load: 4 subjects (24 credit points)
Duration: 0.5 yr full-time, 1 yr part-time
Admission requirements: A recognised bachelors degree, or equivalent or higher qualification. Previous qualifications in engineering, science, design, architecture, building, surveying or planning are considered. Applicants without a degree who have a TAFE Diploma or equivalent with relevant work experience in the field may also apply.

This course will enable you to develop a background and competence in environmental management to address issues that are high on the political and professional agenda. The course is relevant to practising professionals in engineering science, architecture, building, health, law, planning and surveying.

This course can be fully credited towards completion of the Master of Environmental Engineering Management, 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).

The course is offered part or full-time, by on-campus classes, block or distance mode.

Course structure
Choose three of the following subjects (18 cp)
- Air and Noise Pollution
- Contaminated Site and Waste Remediation
- Ecology and Sustainability
- Engineered Natural Water Treatment Systems
- Environmental Assessment and Planning
- Environmental Management of Land
- Environmental Risk Assessment
- Geographic Information Systems
- On-site Water and Wastewater Treatment
- Waste and Pollution Management
+ One of the following subjects (6 cp)
- Economic Evaluation
- Judgment and Decision Making
- Local Government Powers and Practice
- Managing Projects

"My degree is already taking me on the career path I wanted."

Katrina Moore

KATRINA MOORE
Master of Environmental Engineering Management

"In considering my career goals, I wanted to undertake further study that aligned with my interest in resource management and sound sustainability decision making, to compliment my Bachelor of Business (Marketing)/Bachelor of Laws degree from UTS and my commercial litigation skills as a practising lawyer in this field.

One of the many reasons I liked this degree was the breadth and diversity of the subjects. The course has provided me with practical, relevant environmental engineering knowledge and a technical understanding of a range of environmental issues encountered by organisations and the community, many of which were dealt with on a regular basis in the Land and Environment Court.

I enjoyed the flexibility of being able to study most of the course by distance mode as I was living in Japan when I started, and I can’t speak highly enough of the support and nurturing given to me by my lecturers who have practical professional experience, and are experts in their fields.

My degree is already taking me on the career path I wanted because I will be shortly starting my dream job where my legal and analytical skills, environmental engineering knowledge and keen interest in sustainable strategic decisions are combined."
MASTER OF ENGINEERING STUDIES (MESstud)

Course code: C04097
CRICOS Code: 028689J
Study load: 8 subjects (48 credit points)
Duration: 1 yr full-time, 2 yrs part-time
Admission requirements: An engineering or other technological/applied science degree from a recognised tertiary institution.

The Master of Engineering Studies (MESstud) is a flexible postgraduate course that will enable you to both deepen the technical knowledge gained in your first degree and expand your managerial and policy knowledge. You will study a combination of eight technical and non-technical broadening subjects.

This will be determined by your major of which there are 19 to choose from. Detailed course information can be found by visiting the online handbook: www.handbook.uts.edu.au/eng

The MESstud can also be taken with no specified major, allowing you to combine subjects that fit with your specific role or career aims. The course is aimed at technical specialists and recent graduates.

This course is offered part or full-time, by on-campus classes (typically in the evenings) or distance mode (distance mode available in the management subjects only).

Some majors in the MESstud have compulsory subjects.

For a list of available majors and subjects see pages 18-22.

“I have been able to apply the knowledge gained from my degree at UTS to my work and rely less on my colleagues for help as I gained expertise from my studies.”

Steve Hanna
COURSE STRUCTURE  MASTER OF ENGINEERING STUDIES [48]

With Major:

<table>
<thead>
<tr>
<th>3 NON TECHNICAL BROADENING SUBJECTS</th>
<th>4 SUBJECTS FROM 'MAJOR' LIST</th>
<th>1 ELECTIVE SUBJECT OR SUBJECT FROM 'MAJOR' LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPS 18</td>
<td>CPS 24</td>
<td>CPS 6</td>
</tr>
</tbody>
</table>

Non Technical Broadening subjects:
> Judgment and Decision Making
> Managing Information Technology in Engineering
> Technology and Innovation Management
> Quality and Operations Management Systems

Note for the following majors, all 8 subjects (48 cp) are taken from the major:
> Civil and Geotechnical Engineering
> Civil Engineering and Structural Engineering
> Energy Planning and Policy
> Integrated Logistic Support and Engineering Management
> Local Government Engineering and Environmental Engineering
> Operations
> Telecommunications Engineering and Telecommunication Networks

No Specified Major:

<table>
<thead>
<tr>
<th>8 SUBJECTS FROM POSTGRADUATE ENGINEERING*</th>
<th>4 SUBJECTS FROM 'MAJOR' LIST</th>
<th>1 ELECTIVE SUBJECT OR SUBJECT FROM 'MAJOR' LIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPS 48</td>
<td>CPS 24</td>
<td>CPS 6</td>
</tr>
</tbody>
</table>

A study plan of intended subjects* should be submitted when applying for the no specified major.

*Provided you have pre-requisite knowledge and subject to approval.

STEVEN HANNA
Master of Engineering Studies
Engineer, H & H Consulting Engineers P/L

“I am a civil engineer who decided to undertake postgraduate studies to further my professional development. I have been able to apply the knowledge gained from my degree at UTS to my work. As the course progressed, I became able to rely less on my colleagues for help as I gained expertise from my studies, and from the professional and experienced academics who taught me.

An invitation to join the Golden Key International Honour Society, in recognition of my academic achievements, was a privilege and an added bonus to my UTS studies. The Society recognises students from all academic disciplines, and encourages scholastic achievement and excellence. It’s a lifelong membership, and I’m regularly kept up-to-date with academic news and the opportunity for scholarships and further education.

I can highly recommend UTS for postgraduate studies as it has strong industry connections making the university’s courses very practical and relevant, and it also utilises all the latest technologies. In fact, I am thinking about returning to UTS to undertake PhD research.”
The Master of Engineering (ME) is a flexible postgraduate course that will enable you to deepen and expand the technical knowledge gained in your first degree. The degree offers 16 majors, achieved by completing four subjects (24 cp) and an approved research project (18-30 cp) within a particular major, supervised by an experienced academic in that field.

Management majors are also offered, allowing you to add some management knowledge to supplement your technical expertise. The ME can also be taken with no specified major, allowing you to combine subjects that fit with your specific role or career aims. The course is aimed at professional engineers with a minimum of two years of relevant work experience.

This course is offered part or full time, by on-campus classes (typically in the evenings), block or distance mode (distance mode available in the management subjects only). A minimum of 4 subjects must be completed within the particular Postgraduate Program Major as described on pages 18-22, together with an approved Graduate Project in the Major of your choice between 18 to 30 credit points. Some majors in the ME have compulsory subjects.

For a list of available majors and subjects see pages 18-22.

Graduate Project
The project is a course requirement taken over one or two semesters or, in exceptional circumstances, three. It is undertaken on an individual basis, except in special circumstances approved in advance by the Faculty Board, and provides opportunity for the integration and application of advanced skills and knowledge gained in part through other subjects taken during the course.

The depth and extent of the project varies with credit point requirements. These are set on the basis of an agreed project plan submitted by the student to the supervisor, and approved by the Director, Postgraduate Coursework Programs.

The project may involve:
> the development of new technology (hardware and/or software)
> the application of technology
> research addressing a significant technical or engineering management issue
> a critical review in the area of the major, describing key contributions in the field covered by the project work undertaken, results achieved and a discussion of their significance and implications

For further information please visit the UTS:Engineering Handbook: www.handbook.uts.edu.au/eng

UTS:Engineering also offers a Master of Engineering by research (see page 24).

“My Master of Engineering degree has complemented my existing qualifications, training and experience to put me in the position to undertake future projects in this field.”

Alex Pelser
Some majors may have compulsory subjects.

No Specified Major:

A study plan of intended subjects should be submitted when applying for the no specified major.

**Graduate profile**

*Provided you have pre-requisite knowledge and subject to approval.*
GRADUATE CERTIFICATE IN ENGINEERING (GCE)

Course Code: C11048
CRICOS Code: 016935K
Study load: 4 subjects (24 credit points)
Duration: 0.5 yr full-time, 1 yr part-time
Admission requirement: An engineering or other technological/applied science degree from a recognised tertiary institution. Applicants without a degree who have a TAFE Diploma or equivalent with relevant work experience in the field may also apply.

The Graduate Certificate in Engineering will enable you to extend your engineering knowledge and update your skills. If you are a graduate of a cognate discipline, this course allows you to undertake formal study in engineering.

In consultation with your UTS academic adviser, you will tailor the course to your individual needs. The degree offers 15 technical or management majors, achieved by completing three subjects (18 cp) within a particular major.

The course can also be taken with no specified major, allowing you to combine subjects that fit with your specified role or career aims.

This course can be fully credited towards completion of the Master of Engineering or the Master of Engineering Studies, 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).

Some postgraduate program majors may require students to complete a number of prescribed subjects with or without an opportunity for electives.

This course is offered part or full-time, by on-campus classes (typically in the evenings) or distance mode (distance mode available in the management subjects only).

For a list of available majors and subjects see pages 18-22.
### COURSE STRUCTURE: GRADUATE CERTIFICATE IN ENGINEERING [24CP]

#### With Major:

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 SUBJECTS FROM ‘MAJOR’ LIST</td>
<td>18 CPS</td>
</tr>
<tr>
<td>1 ELECTIVE SUBJECT OR FROM ‘MAJOR’ LIST</td>
<td>6 CPS</td>
</tr>
</tbody>
</table>

Some majors may have compulsory subjects.

Elective subjects are taken from postgraduate level faculty subjects*.

#### No Specified Major:

A study plan of intended subjects should be submitted when applying for the no specified major.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANY 4 SUBJECTS FROM POSTGRADUATE ENGINEERING*</td>
<td>24 CPS</td>
</tr>
</tbody>
</table>

*provided you have pre-requisite knowledge and subject to approval.

---

**“I found the UTS degree a perfect fit. I started with the UTS Graduate Certificate in Engineering and then progressed to the Masters degree.”**

Brian Doyle

---

**BRIAN DOYLE**  
Master of Engineering Studies  
Technical Expert, Telstra Australia

“I work as a technical expert at Telstra with cellular mobile platforms. I started with this company in 1982 as a trainee technical officer, so felt a need to pursue further studies to extend my knowledge with up-to-date practical information. I found the UTS degree a perfect fit. I started with the UTS Graduate Certificate in Engineering and then progressed to the Masters degree program, finding the transition far less onerous than I expected!

I’ve been able to apply what I learnt in the course to my job and workplace. One subject studied, Communication Protocols, has been particularly useful in my investigative role into data throughput issues in wireless networks.

I was able to balance work, study and family commitments by studying one subject per semester and had support from my family, Telstra and my manager. I was also surprised that I found there were no barriers as a result of the long gap between my studies aided by excellent support from approachable and knowledgeable lecturers.”
GAIN ALCATEL-LUCENT CERTIFICATION AS PART OF YOUR UTS DEGREE

UTS is the first university in the world to offer the Alcatel-Lucent industry certification Networking Routing Specialist 1 (NRS1) and II (NRS2). You can obtain this certification in conjunction with a UTS Master of Engineering Studies majoring in Telecommunication Networks or in Telecommunication Engineering and Telecommunication Networks or Master of Engineering majoring in Telecommunication Networks.

The certification is ideal for those wanting to work with the most advanced carrier-grade IP networks in the world, including the National Broadband Network company in Australia. The program is based on the Alcatel-Lucent 7750 Service Router family, which is a carrier-grade IP/MPLS router currently being deployed by most ISPs in the world. For more information on the Service Router Certification (SRC) program, visit www.alcatel-lucent.com/src.

To gain the NRS1 and/or NRS2 certification at UTS, you need to enrol in specific UTS:Engineering subjects as part of your major and complete additional activities below:

<table>
<thead>
<tr>
<th>ALCATEL-LUCENT CERTIFICATION</th>
<th>UTS SUBJECT TO BE COMPLETED</th>
<th>ADDITIONAL ACTIVITY REQUIRED FOR CERTIFICATION</th>
</tr>
</thead>
</table>
| NRS1                         | 49202 Communication Protocols (Scalable IP Networks) | > Attend a 2 day Short Course (SC1)  
> Complete external Alcatel-Lucent exam 4A0-100 |
| NRS2                         | 49202 Communication Protocols (Scalable IP Networks) | > Attend a 2 day Short Course (SC1)  
> Complete external Alcatel-Lucent exam 4A0-100 |
|                             | 49201 Integrated Services Networks (Services Architecture) | > Attend a 2 day Short Course (SC2)  
> Complete external Alcatel-Lucent exam 4A0-104 |
|                             | 42902 Interior Routing and High Availability | > Complete external Alcatel-Lucent exam 4A0-101 |
|                             | 42903 Multi-Protocol Label Switching | > Complete external Alcatel-Lucent exam 4A0-103 |

External Alcatel-Lucent exams can be completed at any global Prometric testing centre. They are multiple choice online exams (approximate cost in 2012 was $168 per exam). The 3.5 hour NRS2 lab exam is conducted by Alcatel-Lucent and can be arranged through UTS at no additional cost. UTS runs 2 day short courses (SC1 and SC2) at a cost of approximately $500.

The subjects will be offered in block mode format in 2013. Each subject consists of three 2-day blocks.

Credit Recognition
UTS can give you credit for up to 3 subjects if you have NRS2 or some of the SRC courses and if your certification is up-to-date.
“We’ve developed subjects in conjunction with Alcatel-Lucent that are equivalent to modules from their own training program. It really is about industry relevance.”

Anthony Kadi

ANTHONY KADI
Senior Lecturer, School of Computing and Communications

Anthony Kadi worked in medical diagnostic ultrasonics research with the CSIRO for six years prior to joining UTS as a full-time member of academic staff. His research interests include telecommunication engineering and networks, signal processing, and engineering practice. He is the course coordinator for postgraduate coursework courses in telecommunication engineering and has previously held the roles of Director of Postgraduate Coursework Programs for the Faculty of Engineering and Coordinator of International and Enterprise Development. Anthony is a member of the Australasian Association for Engineering Education.

“Alcatel-Lucent chose UTS as the site for its new networking labs. That was a world first, so it’s pretty exciting. For students, it not only means they have access to these Alcatel-Lucent facilities, but they’ll be working towards industry certification. We’ve developed subjects in conjunction with Alcatel-Lucent that are equivalent to modules from their own training program and students can take these as part of the Master of Engineering Studies in Telecommunication Networks. It really is about industry relevance.”
## MAJORS

<table>
<thead>
<tr>
<th>Major/Course</th>
<th>Master of Engineering (ME) (60 cp) C04090</th>
<th>Master of Engineering Studies (MEStud) (48 cp) C04097</th>
<th>Graduate Certificate in Engineering (24 cp) C11048</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Specified Major</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Biomedical Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Civil and Geotechnical Engineering</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Civil Engineering &amp; Structural Engineering</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Computer Control Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Energy Planning and Policy</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Engineering Management</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>●</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geotechnical Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Integrated Logistic Support &amp; Engineering Management</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Local Government and Environmental Engineering*</td>
<td></td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Local Government Engineering*</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Manufacturing Engineering and Management</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Operations</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Software Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Structural Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Systems Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Telecommunications Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Telecommunications Engineering and Telecommunication Networks</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Telecommunication Networks</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Water Engineering</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**Disclaimer:** not all subjects listed are offered every semester or year or in all study modes.

* This major is not available to international students.
The following gives you an overview of some of the subjects available in each major. For detailed course structure and requirements for majors and degrees, visit the online handbook at handbook.uts.edu.au/eng

Please note, subject choice is limited for some majors in the Masters and Graduate Certificate programs.

**BIOMEDICAL ENGINEERING**
*Available ME, MEStud, GCE*
- Advanced Robotics
- Biomedical Instrumentation
- BioNanotechnology
- Human Anatomy and Physiology
- Human Pathophysiology
- Medical Devices and Diagnostics
- Medical Imaging
- Neural Networks and Fuzzy Logic
- Physiological Bases of Human Movement
- Wireless Networking Technologies

**CIVIL ENGINEERING**
*Available ME, MEStud, GCE*
- Advanced Soil Mechanics and Foundation Design
- Application of Timber in Engineering Structures
- Applied Geotechnics
- Bridge Design
- Engineered Natural Water Treatment Systems
- Environmental Assessment and Planning
- Environmental Management of Land
- Facade Engineering
- Managing Projects
- Pavement Analysis and Design
- Prestressed Concrete Design
- Road Engineering Practice
- Traffic and Transportation
- Urban Stormwater Design
- Water Supply and Wastewater Management

**CIVIL AND GEOTECHNICAL ENGINEERING**
*Available MEStud*
MEStud non-technical broadening subjects do not apply to this major.
- Advanced Soil Mechanics and Foundation Design
- Application of Timber in Engineering Structures
- Applied Geotechnics
- Bridge Design
- Catchment Modelling
- Concrete Technology and Practice
- Contaminated Site and Waste Remediation
- Environmental Management of Land
- Engineered Natural Water Treatment Systems
- Facade Engineering
- Finite Element Analysis
- Flood Estimation
- Geographic Information Systems
- Managing Projects
- Pavement Analysis and Design
- Prestressed Concrete Design
- Problematic Soils and Ground Improvement Techniques
- Road Engineering Practice
- Structural Dynamics and Earthquake Engineering
- Traffic and Transportation
- Urban Stormwater Design
- Wind Engineering
CIVIL ENGINEERING AND STRUCTURAL ENGINEERING

Available ME, MEstud, GCE

MEStud non-technical broadening subjects do not apply to this major.

> Advanced Soil Mechanics and Foundation Design
> Application of Timber in Engineering Structures
> Bridge Design
> Engineered Natural Water Treatment Systems
> Environmental Assessment and Planning
> Environmental Management of Land
> Facade Engineering
> Finite Element Analysis
> Managing Projects
> Pavement Analysis and Design
> Prestressed Concrete Design
> Problematic Soils and Ground Improvement Techniques
> Road Engineering Practice
> Structural Dynamics and Earthquake Engineering
> Traffic and Transportation
> Urban Stormwater Design
> Water Supply and Wastewater Management

COMPUTER CONTROL ENGINEERING

Available ME, MEstud, GCE

> Advanced Robotics
> Biomedical Instrumentation
> Fundamentals of Software Development
> Neural Networks and Fuzzy Logic
> Software Analysis and Design
> Systems Quality Management
> Web Technologies
> Wireless Networking Technologies

ENERGY PLANNING AND POLICY

Available ME, MEstud, GCE

MEStud non-technical broadening subjects do not apply to this major.

> Electricity Sector Planning and Restructuring
> Energy Modelling
> Evaluation of Infrastructure Investments
> Judgment and Decision Making
> Regulatory Economics
> Systems Engineering for Managers

Subjects offered when adequate demand:

> Energy and Environmental Economics
> Energy Demand Analysis and Forecasting
> Energy Resources and Technology
> Methods for Energy Analysis
> Policy and Planning of Energy Conservation

ENGINEERING MANAGEMENT

Available ME

> Economic Evaluation
> Engineering Financial Control
> Leadership and Responsibility
> Managing Projects
> Quality and Operations Management Systems
> Quality Planning and Analysis
> Risk Management in Engineering
> Technology and Innovation Management
> Value Chain Engineering Systems

ENVIRONMENTAL ENGINEERING

Available ME

> Air and Noise Pollution
> Ecology and Sustainability
> Engineered Natural Water Treatment Systems
> Environmental Assessment and Planning
> Environmental Management of Land
> Environmental Risk Assessment
> Geographic Information Systems
> On-site Water and Wastewater Treatment
> Waste and Pollution Management

GEOTECHNICAL ENGINEERING

Available ME, MEstud, GCE

> Advanced Soil Mechanics and Foundation Design
> Applied Geotechnics
> Contaminated Site and Waste Remediation
> Environmental Management of Land
> Geographic Information Systems
> Pavement Analysis and Design
> Problematic Soils and Ground Improvement Techniques
> Road Engineering Practice
> Traffic and Transportation

* This major is not available to international students.

Disclaimer: not all subjects listed are offered every semester or year.
INTEGRATED LOGISTIC SUPPORT AND ENGINEERING MANAGEMENT
Available ME, MEstud, GCE
MESestud non-technical broadening subjects do not apply to this major.
> Engineering Financial Control
> Integrated Logistic Support
> Judgment and Decision Making
> Leadership and Responsibility
> Quality Planning and Analysis
> Reliability, Availability and Maintainability
> Systems Engineering for Managers
> Value Chain Engineering Systems

LOCAL GOVERNMENT ENGINEERING*
Available ME, MEstud, GCE
> Environmental Assessment and Planning
> Environmental Management of Land
> Local Government Powers and Practice
> Road Engineering Practice
> Traffic and Transportation
> Pavement Analysis and Design
> Urban Stormwater Design

LOCAL GOVERNMENT AND ENVIRONMENTAL ENGINEERING*
Available ME, MEstud
MESestud non-technical broadening subjects do not apply to this major.
> Air and Noise Pollution
> Ecology and Sustainability
> Engineered Natural Water Treatment Systems
> Environmental Assessment and Planning
> Environmental Management of Land
> Environmental Risk Assessment
> Local Government Powers and Practice
> On-site Water and Wastewater Treatment
> Road Engineering Practice
> Traffic and Transportation
> Urban Stormwater Design
> Waste and Pollution Management

MANUFACTURING ENGINEERING AND MANAGEMENT
Available ME, MEstud, GCE
> Advanced Flow Modelling
> Air and Noise Pollution
> Airconditioning
> Computer Aided Mechanical Design
> Design Optimisation for Manufacturing
> Energy Conversion
> Internal Combustion Engines
> Managing Projects
> Materials Handling
> Turbomachines

SOFTWARE ENGINEERING
Available ME, MEstud, GCE
> Managing Projects
> Software Analysis and Design
> Systems Quality Management
> Fundamentals of Software Development
> Wireless Sensor Networks
> Web Technologies

OPERATIONS
Available ME, MEstud, GCE
> Managing Projects
> Quality and Operations Management Systems
> Quality Planning and Analysis
> Operations Engineering
> Judgment and Decision Making
> Systems Engineering for Managers
> Risk Management in Engineering
> Technology and Innovation Management
> Leadership and Responsibility
> Integrated Logistic Support
> Reliability Availability and Maintainability
> Value Chain Engineering Systems
MAJORS CONTINUED

SYSTEMS ENGINEERING
Available ME, MEStud, GCE
MEStud non-technical broadening subjects do not apply to this major:
> Economic Evaluation
> Enterprise Business Requirements
> Integrated Logistics Support
> Judgement and Decision Making
> Managing Projects
> Systems Engineering for Managers

STRUCTURAL ENGINEERING
Available ME, MEStud, GCE
> Advanced Soil Mechanics and Foundation Design
> Application of Timber in Engineering Structures
> Applied Geotechnics
> Concrete Technology and Practice
> Wind Engineering
> Facade Engineering
> Finite Element Analysis
> Managing Projects
> Prestressed Concrete Design
> Problematic Soils and Ground Improvement Techniques
> Structural Dynamics and Earthquake Engineering

TELECOMMUNICATIONS ENGINEERING
Available ME, MEStud, GCE
> GSM, GPRS & EDGE Technologies
> Integrated Services Networks
> Satellite Communication Systems
> Telecommunications Industry Management
> Telecommunications Signal Processing
> Transmission Systems
> Wireless Networking Technologies
> 3G Mobile Communication Systems

TELECOMMUNICATIONS ENGINEERING AND TELECOMMUNICATION NETWORKS
Available MEStud
MEStud non-technical broadening subjects do not apply to this major:
> Communication Protocols
> Fundamentals of Software Development
> GSM, GPRS and EDGE Technologies
> Integrated Services Networks
> Interior Routing and High Availability
> Multi Protocol Label Switching
> Satellite Communication Systems
> Enterprise Software Architecture and Middleware
> Telecommunications Industry Management
> Telecommunication Networks Management
> Telecommunications Signal Processing
> Transmission Systems
> Web Technologies
> Wireless Networking Technologies
> 3G Mobile Communication Systems

TELECOMMUNICATION NETWORKS
Available ME, MEStud, GCE
> Communication Protocols
> Integrated Services Networks
> Interior Routing and High Availability
> Fundamentals of Software Development
> Mobile Commerce Technologies
> Mobile Communications and Computing
> Multi Protocol Label Switching
> Enterprise Software Architecture and Middleware
> Telecommunications Industry Management
> Telecommunication Networks Management
> Telecommunications Signal Processing
> Web Technologies
> Wireless Networking Technologies
> 3G Mobile Communication Systems

WATER ENGINEERING
Available ME, MEStud, GCE
> Catchment Modelling
> Contaminated Site and Waste Remediation
> Ecology and Sustainability
> Emergency Management
> Engineered Natural Water Treatment Systems
> Environmental Management of Land
> Flood Estimation
> Floodplain Risk Management in NSW
> Urban Stormwater Design

Disclaimer: not all subjects listed are offered every semester or year.
“I wouldn’t have been offered my new senior position with Camden Council if I had not completed my Master of Engineering at UTS.”

Paul Lunniss

PAUL LUNNISS
Master of Engineering
(Civil Engineering)
Project Manager Capital Works,
Camden Council

“I wouldn’t have been offered my new senior position with Camden Council if I had not completed my Master of Engineering at UTS. Having worked in the civil construction industry in local government for the last ten years, one of the main reasons I decided to do this degree was to formalise my work experience and broaden my career opportunities with an industry recognised qualification.

The degree allowed me to combine study with local government experience, and with the practical knowledge gained, I have been able to deliver improved services at work and achieve high quality outcomes. Applying what I learned in the course to the day-to-day management and delivery of construction and maintenance services, while operating within the legal framework that governs local government, has been rewarding and fulfilling.

My new position at Camden involves working to support population projections by the delivery of large scale capital works to accommodate expected population growth. Additional knowledge and skills gained from the degree will be used to successfully project manage large scale infrastructure in one of Sydney’s fastest growing councils.”
## RESEARCH DEGREES

<table>
<thead>
<tr>
<th>Master of Engineering (Research)</th>
<th>Doctor of Philosophy (PhD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Code: C03017</td>
<td>Course Code: C02018</td>
</tr>
<tr>
<td>CRICOS Code: 009468B</td>
<td>CRICOS Code: 036570B</td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td></td>
</tr>
<tr>
<td>2 years full time</td>
<td>4 years full time</td>
</tr>
<tr>
<td>4 years part time</td>
<td>8 years part time</td>
</tr>
<tr>
<td><strong>Overview</strong></td>
<td></td>
</tr>
<tr>
<td>Individual program of supervised work culminated in a thesis embodying the results. A number of candidates undertake topics with the active support of an industry partner. The ME provides practising engineers with the opportunity to solve an engineering problem in depth beyond the scope of a Bachelor’s degree. There are no coursework subjects in this course but one or two subjects can be added if required. There is a formal assessment of progress at the end of the first two semesters.</td>
<td>A University wide degree involving an intense period of supervised study and research, culminating in the submission of a thesis that makes an original, distinct and significant contribution to knowledge in the candidates chosen field.</td>
</tr>
<tr>
<td><strong>Admission Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Completed a UTS recognised bachelor’s degree</td>
<td>A UTS recognised master’s degree (with research component)</td>
</tr>
<tr>
<td>OR an equivalent or higher qualification</td>
<td>OR bachelor’s degree with first or second class honours (division 1)</td>
</tr>
<tr>
<td>OR submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies</td>
<td>OR an equivalent or higher qualification,</td>
</tr>
<tr>
<td>OR submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies</td>
<td>OR submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies</td>
</tr>
<tr>
<td><strong>Fees and scholarships</strong></td>
<td></td>
</tr>
<tr>
<td>Full fees apply unless a research scholarship or sponsored place is secured. Government funded places are available for Australian and New Zealand Citizens and Permanent Residents. For further information visit: <a href="http://www.feit.uts.edu.au/research">www.feit.uts.edu.au/research</a></td>
<td>Full fees apply unless a research scholarship or sponsored place is secured. Government funded places are available for Australian and New Zealand Citizens and Permanent Residents. For further information visit: <a href="http://www.feit.uts.edu.au/research">www.feit.uts.edu.au/research</a></td>
</tr>
<tr>
<td><strong>2013 Course intake</strong></td>
<td></td>
</tr>
<tr>
<td>Autumn Semester applications close: 31 October 2012</td>
<td>Spring Semesters applications close: 31 May 2013</td>
</tr>
<tr>
<td><strong>For a list of current research areas and academic research supervisors, visit</strong> <a href="http://www.feit.uts.edu.au/research">www.feit.uts.edu.au/research</a></td>
<td></td>
</tr>
<tr>
<td><strong>Enquiries</strong></td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:phyllis.agius@uts.edu.au">phyllis.agius@uts.edu.au</a></td>
<td></td>
</tr>
<tr>
<td>Web: <a href="http://www.feit.uts.edu.au/research">www.feit.uts.edu.au/research</a></td>
<td></td>
</tr>
</tbody>
</table>
Research in the UTS Faculty of Engineering and Information Technology is highly advanced, industry focused and part of the lively and rigorous research culture at the university.

UTS research is focused on ‘practical innovation’ pioneering research solution with real-world impact. Our researchers are recognised leaders in their fields, responsible for 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 the university’s research strengths, such as:

> intelligent mechatronic systems
> quantum computation and intelligent systems
> innovation in IT services and applications
> human-centred technology design
> real-time information networks
> sustainable futures, built infrastructure
> technology in water and wastewater.

The Master of Engineering (Research) and PhD candidates are supervised by academic research staff with expertise in the candidate’s chosen field. With a focus on industry collaboration, proposals that involve direct working relationships with industry professionals are strongly encouraged.

DOCTORAL EDUCATIONAL FRAMEWORK

The recently developed UTS Framework for Doctoral Education is a structured researcher support program for PhD students. It is aimed at developing well-rounded, workforce ready researchers who have a range of research and professional skills. Through the framework, you will work with your supervisor/s to develop a doctoral study plan (DSP) that is individually tailored to your knowledge and development needs. The DSP maps out your studies for the duration of your PhD, specifies timeframes for progression and identifies which researcher development modules you intend to undertake.

The researcher development modules include a range of subject areas and research skills that are relevant to your research focus. It covers disciplinary knowledge and research methods, as well as research practice.

The framework puts a focus on the collaborative aspects of research. It facilitates your development as a researcher through participation in and contribution to UTS and the research community.

MARC CARMICHAEL
PhD Student
School of Electrical, Mechanical and Mechatronic Systems

“Inspired partly by a fondness for the cargo-loader robot from the movie Aliens, I got interested in robotics during my undergraduate Capstone project at UTS, which led to my current research degree in health care robotics. This involves control systems for robotic exoskeletons that provide assistance in applications such as rehabilitation. These robots physically interact with the human operating it and need to be controlled in very specific ways. This work requires a wide range of specialities which is why I enjoy it so much – it’s both challenging and rewarding.

I am very motivated by the potential my research has to benefit the health care industry. The forecast ageing population in Australia and around the world is set to place increasing pressure on our health care system, and robotic systems have the potential to alleviate this pressure. Health care robotics will become a major industry of the near future.”

“I got interested in robotics during my undergraduate Capstone project at UTS, which led to my current research degree in health care robotics.”  Marc Carmichael
HOW TO APPLY

FOR FURTHER INFORMATION
visit www.eng.uts.edu.au
www.handbook.uts.edu.au/eng/pg
Come to our UTS Postgraduate Engineering Info Session, register at
www.eng.uts.edu.au
www.pg.uts.edu.au

ENGLISH LANGUAGE PROFICIENCY
If your previous studies were undertaken in an overseas country you may need to provide evidence of English proficiency
For details please visit
www.postgraduate.uts.edu.au/applying

CREDIT RECOGNITION
Exemptions are granted on the basis of the successful completion of equivalent subjects at an equivalent level at a tertiary institution. Conditions apply. Application for credit recognition can be made during enrolment.
Credit recognition is not granted on the basis of work experience.

LOCAL APPLICANTS
Applications for postgraduate coursework can be submitted:
> online through the Universities Admissions Centre (UAC).
> in-person at one of our Postgraduate Information Sessions held in April, June, September, November and January, register at
www.eng.uts.edu.au
To apply through UAC please visit
www.uac.edu.au or call (02) 9752 0200

Coursework Application dates:
Opens – 6 Sept 2012
Closes:
Round 1 – 31 October 2012
Round 2 – 30 November 2012
Round 3 – 31 January 2013
Autumn semester commences 25 February 2013
Second semester closing dates:
Opens – Early April 2013
Closes:
Round 1 – 31 May 2013
Round 2 – 28 June 2013
Spring Semester commences 29 July 2013

FEES
All UTS: Engineering postgraduate coursework programs are fee paying.
For further information on fees for postgraduate students at UTS, visit
www.fees.uts.edu.au

FEE-HELP
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 for 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 adviser or the Australian Tax Office (ATO) www.ato.gov.au
For more information about FEE-HELP visit http://studyassist.gov.au or call 1800 020 108.

MODE OF STUDY
> Distance learning normally requires no attendance on campus. Contact and assessment is by email, fax, phone or UTSONline.
> Block attendance normally means you will attend campus for a block of full-day study, usually three blocks of 1.5 days per semester per subject.
> Weekly attendance normally means you will attend campus weekly for one class of two or three hours per subject per semester. Most classes are held during the evening.
All courses are available part or full-time, and you can vary the number of subjects you take per semester if you have more or less time available to study.
Note delivery options vary by subject, and not all delivery modes are available for all subjects.
Visit timetable.uts.edu.au for subject availability and subject study modes offered.

Semester dates:
Autumn Semester
25 February – 28 June 2013
Spring Semester
29 July – 29 November 2013
Summer Session
December – February
**RESEARCH APPLICANTS**

Applications for postgraduate research are made through the UTS Graduate Research School, for more information visit www.gradschool.uts.edu.au

Before submitting your application, it is essential that you consider the area of research you want to pursue, draft a research proposal and secure a Research Academic Supervisor. For further information visit www.feit.uts.edu.au/research

**INTERNATIONAL APPLICANTS**

Please note this guide is not intended for international students and not all courses are available to international students.

Course information for international students is available in the relevant UTS International Course Guide and online at www.uts.edu.au/international

Applicants who are not citizens or permanent residents of Australia or citizens of New Zealand must apply as International students directly through UTS International.

Free call within Australia: 1800 774 816
Tel outside Australia: [+61 3] 9627 4816
Email: international@uts.edu.au
Web: www.uts.edu.au/international

**Application closing dates**

First semester 2013 – 15 December 2012
Second semester 2013 – 15 June 2013

For further information, please contact UTS International:
Tel outside Australia: [+61 3] 9627 4816
Freecall within Australia: 1800 774 816
Email: international@uts.edu.au
Web: www.uts.edu.au/international

**SINGLE SUBJECT STUDY**

Engineering Subjects are also offered on a non-award basis – enrolling into a single subject. Successful completion of these subjects may be recognised in future study. To apply, visit www.uts.edu.au/study/nonaward.html

**CONTACT US**

UTS Student Centre
Tel: 1300 ASK UTS
Online enquiry: www.ask.uts.edu.au
For further information visit our website www.eng.uts.edu.au or the handbook www.handbook.uts.edu.au/eng/pg/

City campus

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 (August 2012) 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.