



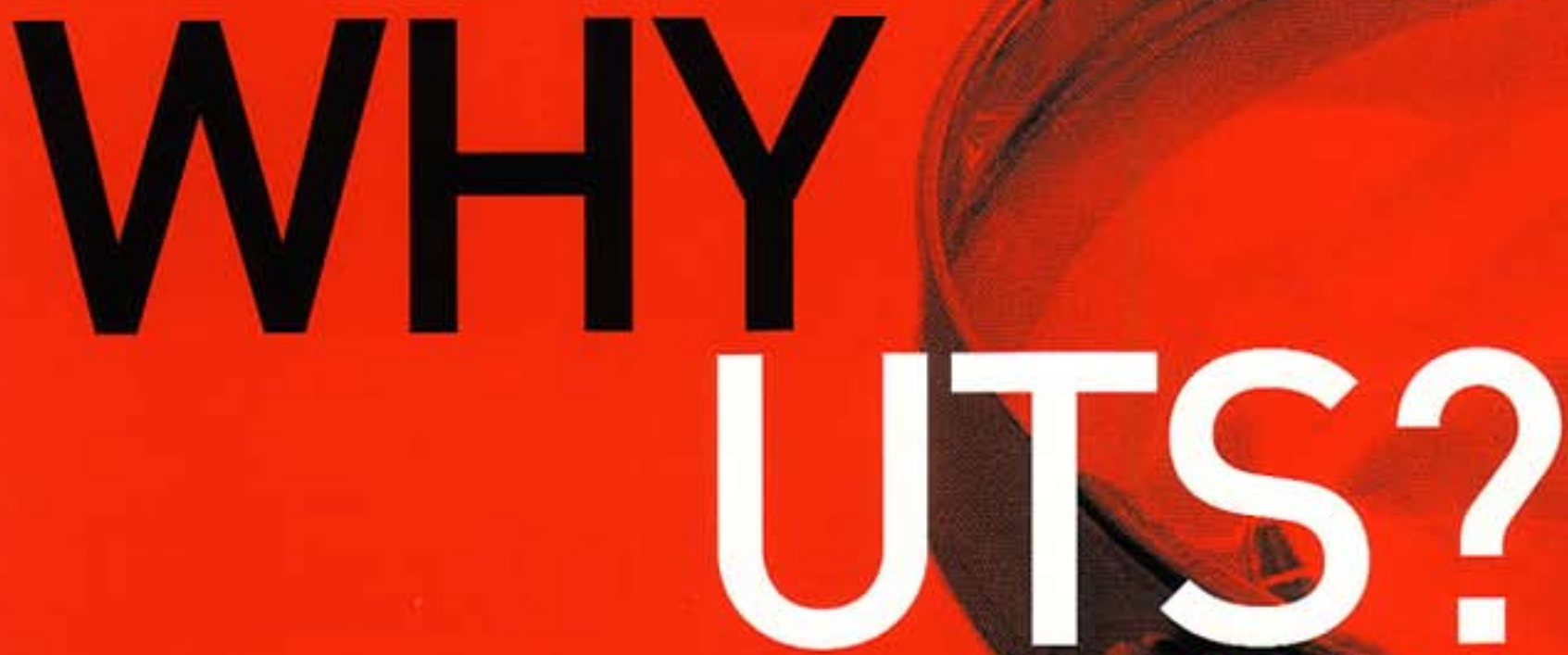
UNIVERSITY OF
TECHNOLOGY SYDNEY

ENG-

UTS

UNDERGRADUATE COURSE GUIDE 2003

ENGINEERING



WHY UTS?

It's big

Currently more than 26,000 people are studying at the University of Technology, Sydney, making UTS one of the biggest universities in Australia. You can study either full-time or part-time in a choice of nine faculties. More than 100 undergraduate degree programs are on offer. People with degrees can select from more than 195 postgraduate courses.

Entry is very competitive. You have to have good grades and be keen to get involved in advanced coursework and industrial experience.

It's up-to-date

UTS courses not only keep pace but often lead the way into new areas of investigation, new technologies, new industry practices, emerging career paths and social change. Teaching methods are innovative and students have access to excellent computing and information resources. And childcare centres operate on both our major campuses.

It's career-focused

At UTS, we work for your future by producing the kind of graduates that reputable employers want. The figures prove it. In 2001, 95% of all UTS Engineering first-degree graduates were in full-time employment according to the 2001 Graduate Destination Survey conducted by the Graduate Careers Council of Australia.

It's international

UTS welcomes over 2000 international students each year and reflects Australia's multicultural mix. Around a third of all UTS students and a quarter of the staff come from non English-speaking backgrounds.

It's fun

If it's not in Sydney it's probably not going to be in Australia. Live bands, the arts, cafes, Chinatown, Darling Harbour and its museums are all within easy walking distance of the city campus.

UTS is only 10 minutes walk from Central Station and the Central bus interchange and closer to the light rail, which makes the UTS City campus so easy to get to. It's the most accessible campus in NSW.

closer → → → →

look ← ← ← ←

Looking for an opportunity to make a difference in the world?

Everything we use, from the humble paper clip to the latest in solar technology, is engineered.

More than ever our rapidly changing society depends on innovators and inventors who can make sense of the world's complexities; engineers who use cutting-edge technology to find creative solutions to improve life for everyone. World sustainability relies on the work of engineers.

UTS Engineering trains leaders. It develops confidence, people skills and the ability to work as part of a team to solve problems.

With its dynamic and interactive environment, the Engineering course at UTS is a constant journey of discovery. You learn from your peers and your industry experiences as well as from the progressive teaching staff.

WHY DO ENGINEERING AT UTS?

Flexibility

At UTS Engineering, you set your own learning pace. Subjects and timetables are flexible so that you can match your work, family and financial commitments. Courses are offered to both full-time and part-time students with day, evening and weekend class times.

Choice

You can choose your major field of study – civil, civil and environmental, computer systems, construction engineering, electrical, mechanical, mechanical and mechatronic, software or telecommunications engineering – when you begin or as you progress. You can specialise or broaden your studies by completing a designated sub-major or individual electives. Options include language studies, international studies, computing sciences, design, law, business, science and education as well as specialist engineering fields such as biomedical, mechatronics and materials science.

Innovation

UTS Engineering offers innovative teaching. Practical, work-based learning ensures understanding, builds confidence and teaches teamwork. You'll learn how to solve problems, deal with complexities, communicate effectively, and think critically and creatively.

Internships

Unlike any other course, your engineering degree includes two extended periods of practical experience (Engineering Internships) – working with professional engineers, as a trainee engineer. These paid six-month internships offer real-world experience and the opportunity to build on and develop your applied knowledge.

It also gives you a better idea of where you want your career to go. By sandwiching these practice sessions within the five year degree, UTS turns experience into learning and allows you to begin your career before you graduate. (see "Internship" page for further information).

Global focus

These enable our students to become engineers who can work in a global context. Not only are they at the leading edge of technology, they also develop the business and entrepreneurial skills to apply and manage that technology.

UTS Engineering offers combined degrees in both business and international studies as well as opportunities to pick up business, management and language skills as part of the Engineering degree. Combined degrees with Science & Law are also available.

With these highly portable skills and its international focus, an Engineering degree from UTS opens up opportunities to work on exciting and challenging projects overseas.

Student support

UTS Engineering has Learning and Design Centres to provide students with access to tutors, reference material as well as software and hardware resources.

In addition, the Women in Engineering Program is a long standing equity initiative which communicates the possibilities of engineering as a choice of study and career to young women; supports female students in the faculty and networks with professional organisations.

most UTS engineering students get a job before they graduate