

WESTERN SYDNEY  
UNIVERSITY



ENGINEERING



Post Graduate



# ENGINEERING

**ENGINEERING IS OF CRITICAL IMPORTANCE. THE WESTERN SYDNEY AREA IS RECOGNISED BY INDUSTRIALISTS AND DEVELOPERS AS SUITABLE FOR ENORMOUS EXPANSION AND WITH GREAT INDUSTRIAL POTENTIAL.**

For example, the M7 toll road in Sydney's south-west was the result of a joint research project between Western Sydney University and the Maunsell SMEC design team. Privately financed at \$1.5 billion, the 40-kilometre road links the M5, M4 and M2 motorways and is an essential part of transport in Sydney.

The Centre for Infrastructure Engineering is the first of its kind in Australia and enables the School of Computing, Engineering and Mathematics to conduct unique cross-disciplinary research across the Engineering, Construction and Industrial Design programs.

## **WHAT YOU'LL STUDY**

The Engineering programs at Western Sydney University enable professionals and recent graduates to adapt to a dynamically developing and changing technological environment through the upgrading of their skills and knowledge. Engineering courses allow you to pursue a specialisation in civil, environmental, electrical, mechanical, mechatronic, and telecommunications engineering.

The Master of Engineering has been granted full accreditation at the level of Professional Engineer by Engineers Australia. It also provides you with training opportunities to foster a culture of life-long learning. Our graduates have a firm foundation to further build their skills as their specialised professional field evolves.

The Graduate Certificate in Engineering is valuable for students from a learning environment outside Australia and for those who do not currently meet entry requirements for the Master of Engineering. The course also allows practising Engineering professionals to study new techniques in the areas of their specialisation as well as in sustainable design and software applications.

## **CAREER OPPORTUNITIES**

The Master of Engineering opens up career opportunities in diverse areas such as water, roads and buildings; robotics and mechatronics; telecommunications; manufacturing and utilities; commercial, medical and industrial product design; product management, project management and consultancy; industrial or residential development; software development and database design; system analysis, design and integration; and computer network design and management.

Completion of the Graduate Certificate in Engineering opens doors for careers in civil, electrical, environmental, mechanical, mechatronic or telecommunications engineering.

	MASTER OF ENGINEERING	GRADUATE CERTIFICATE IN ENGINEERING
UAC Code	950271	950273
Apply Direct Code	3693	3695
CRICOS Code	042034J	061593J
Duration	2F/4P	1F/2P
Location	Parramatta*	Parramatta*
Intakes	March and July	March and July
Admission	<p>Applicants must have successfully completed a recognised four-year undergraduate degree, or higher, in engineering in one of the specialisations, e.g. Civil, Environmental, Mechatronic, Mechanical, Electrical, Telecommunication.</p> <p><b>Additional Information</b> Advanced standing may be granted for relevant prior studies for students who have successfully completed an Engineers Australia accredited four-year Bachelor of Engineering program.</p> <p>Students who have successfully completed a recognised three-year undergraduate degree in Science or four-year Bachelor of Engineering in a different specialisation or equivalent qualifications must undertake and complete specified non-award undergraduate Engineering units with approval of the Director of Academic Program before articulation to the Master of Engineering.</p> <p>Graduates of this program are eligible to apply for full membership of Engineers Australia. They are eligible to apply for Chartered Professional Engineering registration upon successful completion of required engineering practice period specified by Engineers Australia.</p>	<p>Applicants must have successfully completed an Engineers Australia accredited three-year undergraduate degree in Engineering Science or a recognised four-year undergraduate degree in engineering in one of the specialisations, e.g. Civil, Environmental, Mechatronic, Mechanical, Electrical, Telecommunication.</p> <p><b>Additional information</b> Advanced standing may be granted for relevant prior studies for students who have successfully completed an Engineers Australia accredited four-year Bachelor of Engineering program.</p> <p>Those who have successfully completed a recognised three-year undergraduate degree in Science or four-year Bachelor of Engineering in another specialisation or equivalent qualifications must undertake and complete specified non-award undergraduate engineering units with approval of the Director of Academic Program before articulation to the Graduate Certificate in Engineering.</p>

**Key:** F = Full-time; P = Part-time.

**Note:** Part-time refers to study load, not to timetabling of evening classes.

\*To complete some of the components within the units in this course, students may be required to travel to other Western Sydney University campuses.









# WHY POSTGRADUATE STUDY AT WESTERN SYDNEY?

## You've come a long way. Go further.

Located in the heart of one of Australia's fastest growing economic regions, Western Sydney University offers unlimited potential to postgraduate students with the drive, ambition and will to succeed.

Ranked amongst the top two per cent of universities on the globe, Western Sydney is a world-class university with a growing international reach and reputation for academic excellence and impact-driven research.

To take your career to the next level, you need more than classrooms, more than theory.

That's why we offer a combination of on-campus, online and industrial learning environments, with real-life, on-the-ground, hands-on opportunities for skill development in professional and community settings. We value academic excellence, integrity and the pursuit of knowledge.

And we continue to challenge traditional notions of what a university 'should' be by pushing the boundaries of how knowledge is exchanged.

We equip our postgrads with the means to do more than just advance their careers. We are unlocking the potential of the next generation of global citizens, leaders and change-makers.

**PROGRESS. UNLIMITED.**

## Application Information

### ENGLISH PROFICIENCY REQUIREMENTS

If you have undertaken studies overseas you may need to provide proof of proficiency in English. Minimum English proficiency requirements and acceptable proof are found on the Universities Admission Centre (UAC) website at [uac.edu.au](http://uac.edu.au)

Overseas qualifications must be deemed equivalent by the Australian Education International – National Office of Overseas Skills Recognition (AEI-NOOSR) – in order to be considered by UAC and Western Sydney University.

For information about studying at Western Sydney University, including courses, tuition fees, English requirements, intakes, assessment methods, accommodation options and living in Australia, visit [westernsydney.edu.au/international](http://westernsydney.edu.au/international)

### RECOGNITION OF PRIOR LEARNING

You may be granted special equivalence or advanced standing for academic, professional and/or any other qualifications you hold on the basis of evidence submitted at the time of application.

### HOW TO APPLY

Postgraduate course applications are processed online through the Universities Admissions Centre (UAC) at [uac.edu.au/postgraduate](http://uac.edu.au/postgraduate) or you can apply direct to Western Sydney at <https://westernsydney.uac.edu.au> Direct applications do not have an application fee.

### INTERNATIONAL STUDENTS

International students need to apply direct to Western Sydney University. Part-time mode for these courses is not available to international students due to Australian student visa regulations.

Application forms and information on admissions are available at [westernsydney.edu.au/international/admissions](http://westernsydney.edu.au/international/admissions)

### POSTGRADUATE INFORMATION SESSIONS

Postgraduate Information Sessions are held throughout the year, and give you the opportunity to meet academic and professional staff, and to ask questions about courses, admission, fees and more. At these sessions, you will gain a better understanding of course content, what you can expect from the program and possible career paths. To register for a Postgraduate Information Session, visit [westernsydney.edu.au/postgraduatesessions](http://westernsydney.edu.au/postgraduatesessions)

To view the full range of postgraduate courses available visit [westernsydney.edu.au/postgraduate](http://westernsydney.edu.au/postgraduate)

### CONTACT US

To discuss your study goals and career options, contact the Course Information Centre on **1300 897 669** or email [postgraduatestudy@westernsydney.edu.au](mailto:postgraduatestudy@westernsydney.edu.au)

### DISCLAIMER

Western Sydney University reserves the right to withdraw or vary courses listed within this publication. In the event that the course or courses are to be changed, or in the event of cancellation, applicants will be advised by mail to the address specified on their application.

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