Information and Communications Technology (ICT) has penetrated into major functional areas of all industry sectors, such as retail, banking, health and education and requires ICT professionals with cross-disciplinary knowledge and skills. The speed of change in ICT requires professionals to update their knowledge and skills every few years. Western Sydney University recognises this and our Postgraduate ICT courses reflect the changing landscape.

WHAT YOU’LL STUDY
Our ICT courses concentrate on developing and extending your knowledge and skills needed for ICT roles within the fast-growing ICT industry and other industry sectors where ICT is used. This is reflected in our range of specialisations and rich set of units that cover core ICT discipline topics such as Networking, Distributed Computing, Web and Mobile Computing, and cross-disciplinary topics such as Data Analytics and Health Informatics.

The following specialisations are available for postgraduate students at Western Sydney University:
- Web and Mobile Computing
- Networking
- Distributed Computing
- Health Informatics
- Management
- Data Analytics
- Digital Futures
- Innovation and Entrepreneurship

CAREER OPPORTUNITIES
Western Sydney University ICT courses are designed to fulfill the skill requirements of (but not be limited to) the following roles:
- ICT consultant; data scientist; software engineer; database administrator; project manager; business analyst; ICT architect; systems administrator; systems analyst; network engineer; mobile system developer; web developer; ICT security specialist.
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<td>March and July</td>
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<tr>
<td>Admission</td>
<td>A Bachelor qualification in any discipline OR A Diploma in ICT/Computing/IS fields and five years full-time equivalent work experience in Information and Communications Technologies which includes experience in applying skills in: programming; networking; database design and development; systems analysis and design; and project management.</td>
<td></td>
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<td>Accreditation</td>
<td>Western Sydney University has a long history of providing well-designed degrees in ICT that are accredited at the professional level by the Australian Computer Society (ACS). Both Master of ICT and Advanced Master of ICT courses are fully accredited at the professional level by ACS.</td>
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<td>Pathways</td>
<td>PATHWAY A: Students who have been admitted with non-Computing/non-ICT/non-Information Systems with Bachelor qualifications.</td>
<td>PATHWAY B: Students who have been admitted with non-Computing/non-ICT/non-Information Systems Honours or Masters qualifications.</td>
<td>PATHWAY C: Students who have been admitted with Computing/ICT/Information Systems with Bachelor of with Honours or Masters qualifications.</td>
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<td>Work Integrated Learning</td>
<td>Students must complete Work Integrated Learning component → ICT Practicum</td>
<td>Students must complete Work Integrated Learning component → ICT Practicum</td>
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**Key:** F = Full-time; P = Part-time.  
**Note:** Part-time refers to study load, not to timetabling of evening classes.
ADVANCED NETWORKING

PROVIDES YOU WITH THE KNOWLEDGE, UNDERSTANDING AND SKILLS NEEDED TO PLAN, IMPLEMENT AND VERIFY ENTERPRISE NETWORKS.

The speed of change in ICT requires professionals to update their knowledge and skills every few years. Western Sydney University recognises this and our Postgraduate ICT courses reflect the changing landscape.

Our ICT courses concentrate on developing and extending your knowledge and skills needed for ICT roles within the fast-growing ICT industry and other industry sectors where ICT is used.

WHAT YOU’LL STUDY
This online Masters course consists of a Graduate Diploma in Advanced Networking and a Masters dissertation. The postgraduate diploma consists of four professional vocational units, which include the Cisco Certified Network Professional (CCNP) materials. CCNP certification is required to manage local and wide area networks. The course will provide you with the knowledge, understanding, and skills needed to plan, implement, verify and troubleshoot local and wide-area enterprise networks. You will be provided with hands-on experience of configuring networks using online tools.

The dissertation draws together the knowledge and skills in a research-based project. Professionals in IT and related fields will benefit from the completion of a dissertation, helping them develop the skills required for systematically addressing problems in their own organisations. The Masters is also relevant as a basis for further studies at doctoral level or for students working professionally requiring knowledge and experience of advanced networking and research methods.

CAREER OPPORTUNITIES
With an Information and Communications Technology degree you are equipped for different streams within the growing ICT industry:

- Networking stream roles include network specialist, network project leader, network manager, network engineer, network administrator, network security officer/specialist, security officer/specialist, multimedia engineer/specialist, mobile system developer/specialist.
<table>
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<th>MASTER OF ADVANCED NETWORKING</th>
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<td>Intakes</td>
<td>March and July</td>
<td>March and July</td>
<td>March and July</td>
</tr>
<tr>
<td>Admission</td>
<td>Applicants must have successfully completed an undergraduate degree in computing, information systems, information and communication technology or software engineering with a minimum credit average (GPA = 5) or higher. A significant part of this course is based on Cisco Certified Networking Professional (CCNP) curricula. Applicants will need an understanding of the principals covered in the Cisco Certified Networking Associate (CCNA) course before enrolment. To obtain CCNP certification a successful pass grade in both CCNP and CCNA certification examinations are required. OR Five years full-time equivalent work experience in computer networking or communications technology. A significant part of this course is based on Cisco Certified Networking Professional (CCNP) curricula. Applicants will need an understanding of the principals covered in the Cisco Certified Networking Associate (CCNA) course before enrolment. To obtain CCNP certification a successful pass grade in both CCNP and CCNA certification examinations are required. OR Three years full-time equivalent work experience in computer networking or communication technology.</td>
<td>Applicants must have successfully completed an undergraduate degree or Associate Diploma in computing, information systems, information and communication technology or software engineering with a minimum credit average (GPA = 5) or higher. OR</td>
<td>Applicants must have successfully completed an undergraduate degree or Associate Diploma in computing, information systems, information and communication technology or software engineering with a minimum credit average (GPA = 5) or higher. OR</td>
</tr>
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</table>

Key: P = Part-time.
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 clinical 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 UAC website at 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

RECOGNITION OF PRIOR LEARNING

Advanced standing may be granted to you on the basis of relevant prior studies 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 or apply direct to Western Sydney at westernsydney.uac.edu.au/ws

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

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

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

To view the full range of postgraduate courses available visit westernsydney.edu.au/postgraduate

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.

CRICOS provider code: 00917K