

WESTERN SYDNEY
UNIVERSITY



URBAN FUTURES FUTURE CITIES

CITIES ALL OVER THE WORLD ARE CHANGING, BECOMING BIGGER, SMARTER, MORE CONNECTED AND MORE LIVEABLE THAN EVER BEFORE. EXPERIENCE THE TRANSFORMATION OF WESTERN SYDNEY. STUDY AND WORK IN A FAST-GROWING GLOBAL CITY. TAKE YOUR KNOWLEDGE AND SKILLS WORLDWIDE.



**3RD-LARGEST ECONOMY
IN AUSTRALIA**

**\$23 BILLION GROSS REGIONAL
PRODUCT (GRP)**

CONTINUES TO GROW AT MORE THAN
2% PER YEAR. PREDICTED TO RISE
TO 4.6% IN FIVE YEARS.



ONE IN 10 AUSTRALIANS

LIVE IN WESTERN SYDNEY.

**2.5% POPULATION GROWTH
RATE PER YEAR**

TWICE THE STATE AVERAGE.¹

170 COUNTRIES

RESIDENTS SPEAK MORE THAN 100 DIFFERENT
LANGUAGES. 60% OF NEW IMMIGRANTS SETTLE
IN WESTERN SYDNEY.



\$12 BILLION

ONCE-IN-A-LIFETIME
INFRASTRUCTURE EXPANSION.

GOVERNMENT AND PRIVATE
SECTOR INVESTMENT.²



200,000 NEW JOBS

CURRENT SIGNIFICANT SHORTAGE OF
SKILLED AND QUALIFIED WORKERS.

BUSINESS AND MANAGEMENT, FINANCE
AND ACCOUNTING, BUILDING AND
CONSTRUCTION, ELECTRO TECHNOLOGY,
ENGINEERING AND MANUFACTURING³,
LOGISTICS AND TRANSPORT, HIGH-TECH
'SMART' MANUFACTURING, ARTIFICIAL
INTELLIGENCE AND DATA MINING.

WESTERN SYDNEY JOBS EXPLOSION

As a Western Sydney University graduate you will reap the benefits of the population boom and jobs explosion fueling unprecedented investment in business, transport, health, culture, property and education in Western Sydney.

HIGH GRADUATE SALARIES

- **83.4%** of Western Sydney University undergraduates are employed within four months of graduation
- **91.5%** of postgraduates are employed within four months of graduation

POSTGRADUATE

- Business and Management – \$109,000
- IT – \$88,700
- Engineering – \$87,000
- Science and Mathematics – \$80,000⁴

Salaries quoted in Australian dollars.

WORK OPPORTUNITIES IN AUSTRALIA (POST-STUDY WORK VISA)

After graduation, you will be entitled to apply for a post-study work visa providing you with the opportunity to work in Australia using your new skills and qualifications that are in demand in the Australian labour market.⁵

UNDERGRADUATE

- Engineering – \$64,000
- IT – \$59,000
- Business and Management – \$55,200
- Science and Mathematics – \$57,500
- Architecture and Building – \$55,000

Many Western Sydney University graduates are now leaders in industry. Their successful careers highlight the value of Western Sydney University degrees in Australia and overseas. For example, our graduates have strategic responsibilities for commercial property portfolios in excess of AUD\$10 billion. These include:

- Charter Hall – Managing Director
- AMP Capital – Global Head of Real Estate
- Lend Lease Investment Management – Global Chief Investment Officer
- UBS, Hong Kong – Managing Director, Global Head of Real Estate Equities Research
- JLL, US – Chairman of the Global Corporate Solutions Board and CEO of Americas Corporate Solutions
- Greater China, Goodman – Head
- VALAD Europe – Former CEO, now CEO of Arrow Property Investment
- Heitman, Hong Kong – Managing Director
- Asia Pacific, Cushman & Wakefield – Head of Asset Services

1. cityofparramatta.nsw.gov.au/economy#
2. cityofparramatta.nsw.gov.au/economy#
3. *Skills Barometer 2015 Building a Skilled Workforce for Greater Western Sydney* TAFE Western Sydney and Western Sydney Business Connection
4. 2017 Graduate Outcomes Survey National Report - Australian Government Department of Education and Training
5. homeaffairs.gov.au/trav/visa-1/485-

URBAN FUTURES: TRANSFORMING CITIES

WESTERN SYDNEY UNIVERSITY IS AT THE EPICENTRE OF THE INFRASTRUCTURE AND JOBS BOOM.

Massive investment in Western Sydney's economy and infrastructure is supporting unprecedented growth.

Western Sydney Airport under construction at Badgerys Creek will create 13,000 new jobs during construction and 60,000 jobs when fully operational.

Badgerys Creek Aerotropolis will become Western Sydney's newest commercial and industrial hub.

New light rail networks will link the new Western Sydney Airport, Parramatta City and the Sydney CBD. **WestConnex** is the largest road transport infrastructure project in Australia⁶. This will lead to 10,000 construction jobs and roles in Engineering and IT.

Sydney Science Park will create 12,000 'smart' jobs. It will become a focus for research and development in transport, communications, logistics, aerospace, defence, health, education and agribusiness. In the midst of this development, Australia's first Science, Technology, Engineering and Mathematics (STEM) focused school from preschool to Year 12 will open in 2019.⁷

Westmead Health Precinct – the state's '**Silicon valley of health innovation**'⁸ – will generate 50,000 jobs over 20 years and commercialise world-leading medical research. Other Western Sydney hospitals at Campbelltown and Penrith are also undergoing multimillion-dollar expansions.

Tourism boom – Western Sydney visitor numbers increased 40 percent in the past five years⁹ and Parramatta City, at the heart of Western Sydney, is doubling its hotel beds and serviced apartments.¹⁰

The world-class **Museum of Arts and Applied Sciences** in Parramatta City, to open in 2022, will attract one million visitors a year. This is an opportunity if you graduate with skills in marketing, tourism and business.

Property investment and development – Corporate and private investors are putting more than \$3.4 billion into developing commercial and residential buildings. If you are an IT, engineering, business, property and construction graduate, you will be in high demand.

6. Economic Development Plan 2017-2021 – City of Parramatta
 7. *Shaping Future Cities Designing Western Sydney The story so far*, Deloitte
 8. smh.com.au/national/nsw/westmead-could-become-silicon-valley-of-health-innovation-20160718-gq82lc.html
 9. cityofparramatta.nsw.gov.au/economy#
 10. *Economic Development Plan 2017-2021* – City of Parramatta

Tourism Western Sydney

40% increase

In the past five years



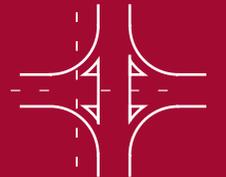
Doubled

Hotel bed & serviced apartment numbers in Parramatta



WestConnex

Australia's biggest road infrastructure project



Sydney Science Park

12,000

'Smart' jobs



1st

STEM-focused school in Australia



Western Sydney Airport

13,000

New jobs during construction



60,000

Jobs when completed



Badgerys Creek Aerotropolis

Commercial & industrial hub



New light rail networks

Will link the new Western Sydney Airport, Parramatta and the Sydney CBD



RICHMOND CITY

HAWKESBURY CAMPUS

PENRITH CITY

PENRITH CAMPUS

THE COLLEGE NIRIMBA

NIRIMBA CAMPUS

BLACKTOWN

PARRAMATTA CITY CAMPUS

PARRAMATTA CITY

PARRAMATTA CAMPUS

THE COLLEGE SYDNEY OLYMPIC PARK

SYDNEY CITY CAMPUS

SYDNEY CITY

LIVERPOOL CITY

LIVERPOOL CAMPUS

BANKSTOWN CITY

BANKSTOWN CAMPUS

CAMPBELLTOWN CITY

CAMPBELLTOWN CAMPUS

CAMPBELLTOWN

MACARTHUR

Greater Western Sydney

Greater Western Sydney

Westmead Health Precinct

50,000

Jobs over 50 years



Museum of Arts & Applied Sciences

Commercial & industrial hub



50 KM

30 KM

20 KM

10 KM



TASMAN SEA

	ROAD
	TRAIN LINE
	TRAIN STATION

STUDY AT WESTERN SYDNEY UNIVERSITY

Be part of the transformation of Greater Western Sydney.

STUDY AREAS

- Accounting UG | PG
- Applied Finance UG | PG
- Architectural Design UG
- Building Design Management UG
- Business Analytics PG
- Civil Engineering UG | PG
- Computer Science UG
- Construction Engineering UG
- Construction Management UG
- Cyber Security and Behaviour UG
- Data Science UG | PG
- Design and Technology UG
- Digital Knowledge and Innovation PG
- Economics UG
- Electrical Engineering UG | PG
- Entrepreneurship UG
- Environmental Engineering PG
- Finance and Investment PG
- Hospitality Management UG
- Human Resource Management UG | PG
- Industrial Design UG
- Information and Communications Technology UG | PG
- Information Governance PG
- Information Systems UG
- Innovation and Entrepreneurship PG
- International Business UG
- Logistics and Supply Chain Management PG
- Marketing UG | PG
- Mechanical Engineering UG | PG
- Mechatronics Engineering PG
- Policing, Public Safety and Security PG
- Project Management PG
- Property UG | PG
- Robotics and Mechatronic Engineering UG
- Sport Management UG
- Sustainable Business PG
- Telecommunications Engineering PG
- Urban Management and Planning UG | PG

UG: Undergraduate. PG: Postgraduate

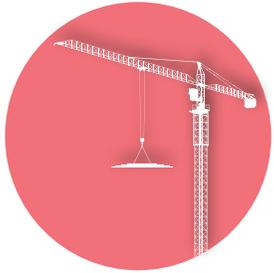
INDUSTRY ACCREDITATION

- Architects Accreditation Council of Australia (AACA)
- Association of Chartered Certified Accountants (ACCA)
- Association of Computing Machinery (ACM)
- Australian Computer Society (ACS)
- Australian Institute of Building (AIB)
- Australian Human Resources Institute (AHRI)
- Australian Institute of Quantity Surveyors (AIQS)
- Australian Property Institute (API)
- Chartered Accountants of Australia and New Zealand (CAANZ)
- Chartered Financial Analyst Institute (CFA)
- CPA Australia (CPA)
- Design Institute of Australia (DIA)
- Engineers Australia
- Financial Planning Association of Australia (FPA)
- Financial Planning Education Council (FPEC)
- Financial Services Institute of Australia (FINSIA)
- Institute of Public Accountants (IPA)
- Tax Practitioners Board (TPB)

“Western Sydney University is in an extraordinary position to equip students for urban transformation happening all over the world. Whether students are in architecture, business, engineering, construction, IT, project management or property courses, their experience of living, studying and working at the centre of an infrastructure and jobs boom will give them a real head start in their careers.”

PROFESSOR SCOTT HOLMES,
SENIOR DEPUTY VICE-
CHANCELLOR, WESTERN
SYDNEY UNIVERSITY

HUNDREDS OF THOUSANDS OF NEW JOBS IN WESTERN SYDNEY



CONSTRUCTION

- ARCHITECT • CONSTRUCTION MANAGER • CONSTRUCTION PROJECT MANAGER • CONTRACTS ADMINISTRATOR • GEOTECHNICAL ENGINEER • OPERATIONS MANAGER • PROJECT MANAGER • QUANTITY SURVEYOR/BUILDING ECONOMIST • SITE MANAGER • STRUCTURAL ENGINEER • WATER (HYDRAULICS) ENGINEER



PROPERTY

- FACILITIES MANAGEMENT • LAND VALUER • PROPERTY ANALYST • PROPERTY INVESTMENT MANAGER • PROPERTY MANAGER • RETAIL DEVELOPMENT MANAGER • ASSET MANAGER • DEVELOPMENT PRACTITIONER • PRACTISING VALUER • COMMERCIAL PROPERTY MANAGER • PROPERTY PRACTITIONER • FUNDS MANAGER



TRANSPORT AND LOGISTICS

- ARTIFICIAL INTELLIGENCE (AI) SPECIALIST • DEMAND MANAGER • DRAINAGE ENGINEER • INVENTORY MANAGER • LOGISTICS COORDINATOR • PROCUREMENT MANAGER • PURCHASING MANAGER • SUPPLY CHAIN ANALYST • TRANSPORT ENGINEER • TRANSPORT SYSTEMS ANALYST



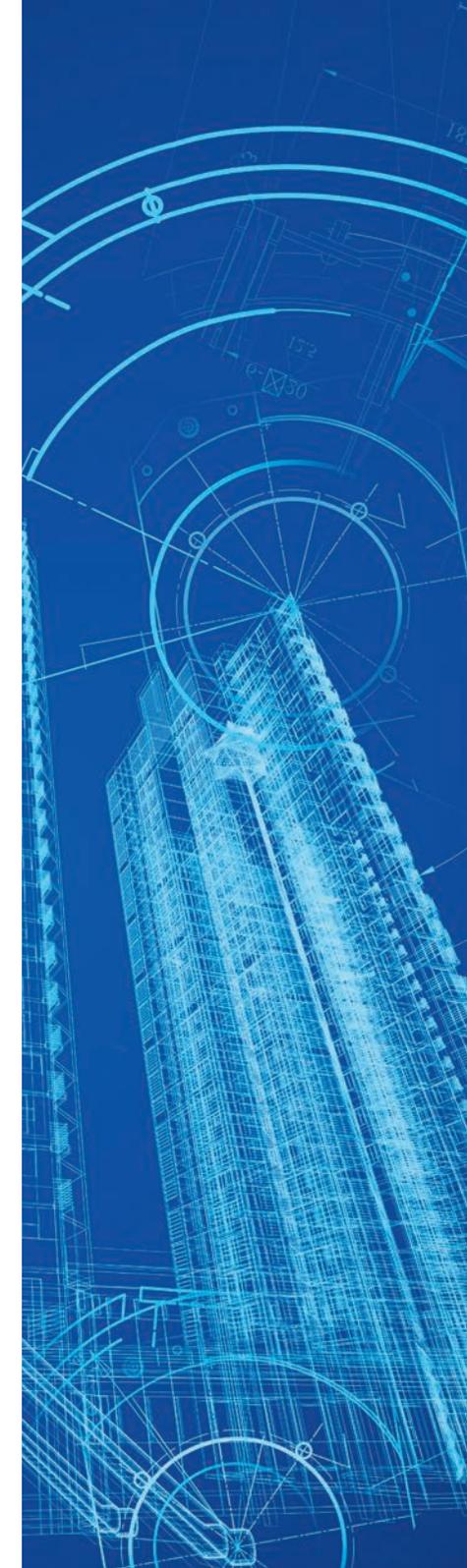
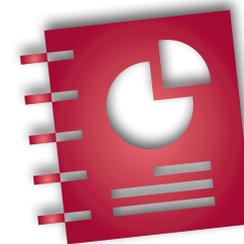
INFRASTRUCTURE AND ENGINEERING

- CIVIL ENGINEER • COMPUTER NETWORK AND SYSTEMS ENGINEER • ELECTRICAL ENGINEER • ENVIRONMENTAL ENGINEER • HYDRAULICS ENGINEER • MECHANICAL ENGINEER • MECHATRONICS ENGINEER • PROJECT MANAGER IT • PROJECT MANAGER RAIL • RAIL SYSTEMS ENGINEER • STRUCTURAL ENGINEER



BUSINESS AND IT SERVICES

- ACCOUNTANT • AUDITOR • BUSINESS ANALYST • BUSINESS CONSULTANT • BUSINESS DEVELOPMENT MANAGER • BUSINESS UNIT MANAGERS • COMPUTER NETWORK AND SYSTEMS ENGINEER • FINANCIAL ANALYST • FINANCIAL CONTROLLER • HUMAN RESOURCES MANAGER • LOGISTICS MANAGER • NETWORK ADMINISTRATOR • ORGANISATIONAL DEVELOPMENT MANAGERS • PROJECT MANAGER • SUPPLY CHAIN MANAGER • SYSTEMS ANALYST • TALENT ACQUISITION SPECIALIST





WESTERN SYDNEY UNIVERSITY: EMPOWERING FUTURE LEADERS

Ranked in the top two per cent of universities worldwide, Western Sydney University is uniquely placed to help students gain the real-life experience, practical skills and knowledge they need for their future careers in the new world of work. We equip you to lead, influence, build, support and service the new-age future cities.

CONSULT TO INDUSTRY

Engage in real consultancy projects, where lecturers and students collaborate to develop solutions for clients.

If you are at the Sydney Graduate School of Management (SGSM) completing Business Masters degrees, you might generate ideas for new businesses and try them out with internships in industry in partner organisations such as Linfox, CNHI, Deloitte or PwC.

INDUSTRY INTERNSHIPS

Industry internships help transition you into professional practice through either paid or unpaid project-based work as part of your degree.

For example, as an Entrepreneurship student, every semester you will gain hands-on experience of a startup, working in an incubator, technology park or innovation centre.

If you are an Engineering student, you will do three months of work experience, while as a Construction Management student, you will complete six months.

Sydney Graduate School of Management students will complete about 9600 hours of internship activity in 2018 alone. You can also do a career project that lasts for three or six months and base it around a real-life industry study.

SKILLS-FOCUSED

Our teaching focuses on you gaining robust technical skills and developing expert professional skills in areas such as:

- leadership and networking
- collaboration and teamwork
- resilience and resourcefulness
- agile and creative thinking
- communication, influencing and negotiating.

ACADEMICS WITH INDUSTRY AND RESEARCH EXPERIENCE

Courses are taught by experts – academics with industry and research experience. They bring real-life examples, case studies and experience into the classroom, making your study highly relevant to the workplace. Regular guest lectures from leading experts in the field help bring the work environment into the classroom.

“ I am very impressed with the way Western Sydney University is putting down roots in the business community. They want engagement to happen. ”

DAVID BORGER, WESTERN SYDNEY DIRECTOR, NEW SOUTH WALES BUSINESS CHAMBER



ENTREPRENEURSHIP

Launching a startup is another option if you aspire to become an entrepreneur. The Start-Up unit at SGSM offers you the opportunity to develop an idea into a prototype product, service and new business. Michael Quinn, managing partner of Innovation Capital – an Australian venture capital firm building global technology businesses – has formed a group of potential investors. As a student entrepreneur, you can ‘pitch’ your ideas to the group in a ‘Shark Tank’ atmosphere.

Examples of Start-Up projects include:

- Tony Tahan who developed an app to assist speech pathology online
- James Newman who developed GRIBBLE, the world’s first fully integrated online, full-service real estate agent.

LAUNCH PAD

Do you have a startup idea you want to bring to life? As a student, you can access the research and development to help a startup succeed. Launch Pad is a business accelerator and incubator that gives entrepreneurs access to meeting spaces, mentoring, events, networking and training. Entrepreneurs in the community and academics can also tap into the university’s expertise and

knowledge to develop new business opportunities through technology and innovation.

RESEARCH AND INNOVATION

Researchers are developing advanced material and smart structures, housing and supply chain, intelligent and sustainable electrical systems, sustainable construction, geotechnical, water and environmental engineering and solar energy technology.

- MakerSpace – 3D printing, polymer and fused deposition machines. Staff can provide advice and technical assistance.
- Fab Lab – Woodworking, metal workshops, laser cutting, CNC routers and other fabrication equipment. This is where students are building a solar car and other fabrication projects.
- Robotics Lab – Meet Baxter our human-interactive production robot. Learn how to assemble, build or program a robot.
- Virtual Reality Lab – Experience Liquid Galaxy, Google Cardboard and Oculus Rift.
- Structural Engineering Lab – Students have access to one of the most advanced structural labs in Australia.



CONNECTING STUDENTS TO GOVERNMENT AND INDUSTRY

About 30 per cent of Australia's top 100 businesses now have an office in Western Sydney. They are in engineering consulting, public amenities, healthcare, manufacturing, finance, scientific, retail and public administration¹¹, and include:

- National Australia Bank
- Deloitte Access Economics
- KPMG
- PwC has located 200 staff in offices in the Western Sydney University Parramatta City campus.
- AECOM
- Roads and Maritime Services
- Sydney Water Corporation

¹¹. cityofparramatta.nsw.gov.au/economy#

CASE STUDIES

MBA

MARIA VICTORIA
MALDONADO **ARGENTINA**

After five years as an engineer in her home country, Maria came to Western Sydney University to study an MBA. Her six-month internship was a big highlight. She worked with Linfox, Australia's largest privately owned logistics company, analysing their supply chain relationship with Arnott's, the country's biggest biscuit maker. "I developed a tool to allow Linfox to analyse where they want to be in the future and improve their decision-making," she says. "I couldn't be happier because it really helped me understand their whole supply chain. I had a big picture of everything, and it was really good to apply the skills and tools that I learned at uni."

MASTER OF APPLIED
FINANCE

RACHEL THOM-MANUEL
AUSTRALIA

Rachel aspires to become a financial planner. She has already taken the first step to achieve that dream. PwC, one of the global "big four" full-service firms, has hired Rachel as a financial analyst while she's in the midst of her Master of Applied Finance at SGSM. PwC has offices on the upper floors of the SGSM Parramatta City campus, so Rachel travels only a few floors between her work and classes. "It's been amazing," she says. "I'm dealing with a lot of client files. I never thought I'd be able to get this job while studying at the same time. I'm very grateful for the impact this has had on my life."

BACHELOR OF ENGINEERING
(CIVIL) HONOURS

USMAN ALTAF
PAKISTAN

Usman has always had a flair for mathematics and wanted to become an engineer. His parents saw his potential and helped him come to Australia to study at Western Sydney University. Usman found his lecturers very supportive. "They told us, 'if you ever need help then just knock on our door' - and I did that many times." He completed an internship at SD Civil Engineering. "My role was to manage the subcontractors on site," he says. "They were so happy with my work they offered me a full-time job and a good salary package. I feel like my life plan is all working out."

BACHELOR OF INFORMATION
SYSTEMS ADVANCED

SIMARDEEP SINGH SAINI
INDIA

Simardeep spent six weeks interning at the NSW Government's Roads and Maritime Services in Parramatta. He helped create a web-based system for buses with a live traffic feed so customers could see their bus journey in real time. "We worked a full day, every day, with the other employees. We would go to lunch with them and sit with them and get an idea of what they had already achieved. It was a really great experience I would never get back home," he says. "Getting on-the-job learning while I was studying was invaluable." He is in the third and final year of a Bachelor of Information Systems (Advanced),

MBA (HUMAN RESOURCES
MANAGEMENT)

NIKKI SHRESTHA
NEPAL

In her MBA, Nikki completed an internship with IKEA in Western Sydney, giving her the opportunity to go behind the scenes at the global home furnishings store and gain practical knowledge to add to what she was learning at university. "I saw Nikki grow and develop in the short time she was with us," says Nikki Turner, HR manager IKEA. "And to have a project for her to put on her resume, and to have her name on that project, which we'll be using in the store moving forward, is an exciting thing for any student to be involved in."

SOME INDUSTRY AND GOVERNMENT PARTNERS INCLUDE:

CNHI, IKEA, Coca-Cola group, Linfox, Bevchain, Crescent Wealth, Forrester Cohen, Thrive (a not-for-profit assisting refugees to build new businesses), Camden City, Southwest Community Transport, Kimberly Clark, United Nations (India), Willis Tower Watson, Weber Shandwick, Youth Action, PwC, Deloitte, Aussie Home Loan and Finance, United Cellars (United LifeStyle Group), Prime Construction Group, Hansen Yuncken, Austruss, Qanstruct, Bedrock, Weathertex, Strongbuild, XLam, CIMIC Group, UGL Consulting, Boral Australia.

“To capitalise on the Ideas Boom we must grow our connections with innovative industries.”

PROFESSOR BARNEY GLOVER, WESTERN SYDNEY
UNIVERSITY VICE-CHANCELLOR AND PRESIDENT

WESTERN SYDNEY UNIVERSITY



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Youtube

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Learn more

For information about studying at Western Sydney University including course details, how to apply, tuition fees, financial requirements, assessment methods, accommodation options and living in Australia, please visit westernsydney.edu.au/international.