



Swinburne Sydney postgraduate degrees

_2022



swinburne.edu.au/sydney



University as you know it is getting an upgrade.

With real industry experience available in many of our postgraduate degrees. And innovative courses that have been co-created with industry. Plus, free student access to over 20 Adobe apps as Australia's first Adobe Creative Campus.

At Swinburne, you'll meet the thinkers, makers and doers – not of tomorrow, but of today.

So, join the uni that's reinventing uni.

And become the next gen of yourself, now.



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Making our mark everywhere we go

With a degree from Swinburne, you can go anywhere in the world.

Sydney, Melbourne, Milan, Malaysia. Our graduates are spread around the globe and work for some of the most dynamic organisations, from startups to not-for-profits to multinationals.

A degree from Swinburne means you'll have the prestige of a globally renowned university paired with the confidence that comes from genuine workplace experience.

When you graduate, you'll become one of thousands of Swinburne graduates around the world who are writing their own success stories.

And that's all because a degree from Swinburne sets you up for life.

**TOP
20**
in Australia

**TOP
300**
globally

**TOP
50**
globally

We are
AACSB
accredited

We rank in the top 20 universities in Australia
QS World University Rankings 2022

We rank in the world's top 300 universities
Academic Ranking of World Universities 2021

We rank in the top 50 universities under 50 years old
QS World University Rankings 2021

Only 5% of the world's business schools have this prestigious accreditation from the Association to Advance Collegiate Schools of Business.



In demand and paid more

Overall PG employment

91.5%

of our graduates found employment within 4 months of finishing their course.

Business

90%

of our graduates find jobs within 4 months of finishing their course.

Information Technology

83%

of our graduates find jobs within 4 months of finishing their course.

Engineering

86%

of our graduates find jobs within 4 months of finishing their course.

Our grads work for the biggest and best

North And South America

Tesla, Microsoft, Amazon, Deloitte, Salesforce, Morgan Stanley, Pfizer, Goldman Sachs, PayPal, Facebook.

Europe

Diageo, PwC UK, University of Cambridge, British Airways, Deloitte UK, Google, American Express, HSBC, Adidas, IBM.

Asia

Ernst & Young, Shell, Intel, Nokia, Apple, Accenture, IBM, Microsoft, Dell, Deloitte, Telstra.

Africa and Middle East

Qatar Airways, Accenture, BHP, Fujita Corporation, Etihad Airways, First Abu Dhabi Bank (FAB), Emirates, Ernst & Young, Cisco, Zenith Bank International.

NAB, IBM, NBN Australia, Australia Post, Telstra, ANZ, Qantas, Deloitte, Commonwealth Bank, AGL Energy, Woolworths Group, Virgin Australia, KPMG.



Sources: QILT: Graduates Outcomes Survey 2019-2021 and LinkedIn

Why Swinburne Sydney?



Industry-aligned courses

At Swinburne Sydney, our courses provide the practical, theoretical and conceptual skills to prepare you for every stage of your career. Whether you're just starting out or moving into a leadership role, by the time you graduate you'll have the knowledge and skills you need for success.



Personalised learning

Our small class size, quality teachers, innovative learning spaces, and teaching technologies provide an exceptional learning experience. The learning environment supports students in all aspects of their learning. Our tutorials offer students the opportunity to interact with their peers and the tutor, while they can also learn about assessment requirements and receive assistance.



Facilities and services

Swinburne Sydney provides a variety of services to support your study and wellbeing, including careers and employment, academic advice, counselling, computer labs, library, disability support, campus wi-fi and prayer room.

1 Location

Swinburne Sydney is located in the City of Parramatta – the second largest city in New South Wales. Parramatta's development provides a variety of opportunities for employment, housing, schools, and higher education. It is one of the most diverse, multicultural, and fastest-growing cities in Australia.

Visit sydney.com/destinations/sydney/sydney-west/parramatta



3 Educational leaders

Swinburne's reputation for superior education and research means we attract highly qualified academics and educational leaders. You'll learn from those who are at the top of their fields with extensive experience in industry and teaching.

Our committed and passionate academics and support staff recognise the expectations of 21st century students as well as the cross-cultural differences and challenges that may affect them.



5 Friendly learning environment

The campus culture, teaching and support staff provide a friendly learning environment. Most of our faculty and students know one another and interact outside the classroom using teaching technologies. The learning environment provides a unique learning experience for students.

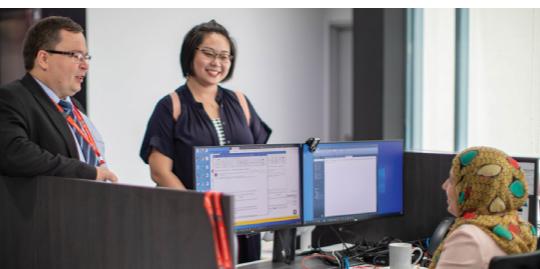


6



Strong industry connections

Our strong links with business and industry means you'll graduate with the skills that employers are seeking. We partner with leading Australian and global organisations to offer students an internship experience. Students can also network with various thought leaders and professionals across industries who are invited as guest lecturers and speakers.



End-to-end student support

Swinburne Sydney provides a range of academic and non-academic support to students. We assess student needs and develop programs to gear them up for success. Our student services offer students and staff a vibrant and, collaborative atmosphere for holistic learning and development.



International Student Advisers

Living and studying away from your home country can be challenging. That's why, at Swinburne, we have dedicated International Student Advisers available to help you at any time. Whether you've had an accident, or need advice on jobs, visas, or accommodation, Swinburne's International Student Advisers are here to help you – no matter what issues you face.

7 Student engagement

Throughout the year, students can participate in student engagement events. These events are co-created in consultation with diverse student groups, and recognises staff and student diversity.



9 We act on your feedback

We encourage students to play a key role in enhancing all aspects of learning. Through feedback, we implement changes and inform students about the improvement. Our partnership with students is genuine and we empower students to provide feedback at any time.



11 Student mentoring

We have one of the best mentoring programs for students. Student mentors support each student prior to their start as well as during their studies. Our student mentors have improved student engagement and success.



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Living in Sydney

Living costs

To live as a student in Sydney you will require approximately A\$25,000 to A\$32,000 per year for ongoing living costs – not including tuition fees or airfares. Depending on your visa, you'll be able to work while you study in Australia.

It's also important to budget for the costs of moving to Sydney and setting yourself up. We advise budgeting approximately A\$2500 to A\$5000 for these costs.

Keep in mind, your living costs will depend on your choice of accommodation, any dependents you

might have, and your type of lifestyle. Therefore, please use the information here as a rough guide only.

More information can be found at the [Study in Australia](#) website.

The Australian Government requires prospective student visa applicants and any family members accompanying them to have access to minimum funds to meet the living costs requirements. For more, visit: immi.homeaffairs.gov.au/visas/getting-a-visa/visa-listing/student-500



Finding a home

While Sydney may sometimes seem expensive, it is comparatively cheaper than other capital cities around the world. According to Insider Guides, you can expect to spend between A\$285 - A\$405 per week in an inner-city share house or serviced apartment.

Use the Insider Guides' Cost of Living Calculator to find out how much it costs to live in Sydney, depending on your lifestyle.

For more information, visit insiderguides.com.au/cost-of-living-calculator

	Private rental accommodation	Share accommodation	Homestay
Description	Renting your own unfurnished apartment or house	Sharing a rental house or apartment with other students	Living in a furnished bedroom as a guest in a local family's home
Contract	Minimum 6 months	Varies	Minimum four weeks
Advantages	<ul style="list-style-type: none"> Independent Can choose what you want 	<ul style="list-style-type: none"> Cheaper than other options Independent Meet new friends 	<ul style="list-style-type: none"> Learn about the Australian lifestyle Family-orientated environment
Disadvantages	<ul style="list-style-type: none"> Must buy furniture May have to find share mate Very difficult to break lease 	<ul style="list-style-type: none"> Living with people who you don't know and may have a different lifestyle from you 	<ul style="list-style-type: none"> Limited privacy Have to fit in with the family's lifestyle
Procedure	<ol style="list-style-type: none"> Locate property Inspect property Lodge application Sign the lease contract Connect utilities Move in 	<ol style="list-style-type: none"> Locate property Inspect property Sign the lease contract Move in 	<ol style="list-style-type: none"> Apply online Inspect property Pay fees Move in

Sydney, Australia

Sydney is home to the Sydney Opera House, Sydney Harbour Bridge and stunning beaches. It is the perfect destination to live, study and work. Swinburne Sydney is located in Parramatta – only 30 minutes by train from Sydney's city centre. Parramatta is one of Australia's

fastest-growing cities with people from many cultures and ethnicities making it their home. It is also a major business and commercial centre – bustling with retail shops and global eateries – and a popular destination for international students.

There are more than 18 parks surrounding the area. And, if that's not enough, there's a vibrant arts and culture scene, with the annual Sydney Festival, Winterlight, and Parramasala.

Amazing weather

+100
beaches

#1

TOP
10

Sydney has warm summers, sunny springs, crispy leaved autumns and cool winters.

There's something for everyone with snow in the mountains and sun at the beaches.

lining the coast, Sydney's cosmopolitan beach lifestyle soaks into the whole city.

Enjoy swimming, surfing, snorkelling, water sports and coastal walks.

Australia's safest city – and fourth safest in the world

The Economist's 2021 Safe Cities Index.

Best student cities worldwide

QS Best Student Cities Ranking 2022



Everything your résumé needs



We want your résumé to look good, like – really good!

University should be the place that makes you resilient, adaptable, driven, and employable. Which is why we arm you with this unmatched range of tools and experiences.

Adobe Creative Campus

We're the first university in Australia to become one. Why? Because we want your résumé to stand out. Whether it's creating content, solving problems or knowing fact from fake, you'll know what to do, when to do it and how. Bonus – get free access to over 20 Adobe Creative Cloud apps and free consultations with our Adobe Digital Coaches!



Real clients, real experience

Whether you plan to work in Australia or return to your home country, you'll gain valuable industry experience with a professional master degree. What sets it apart is the opportunity to apply your knowledge and problem-solving skills to an industry project, which will be a genuine challenge posed by a real client. You may even have the chance to work within their office.

Careers and employment services

Our Jobs and Careers Program provides a range of free career services for current students and recent graduates. The program also offers a range of additional services to assist students with employment, including:

- résumé-checking
- interview practice sessions
- on-campus employment fairs
- job workshops
- access to free online short courses provided by LinkedIn Learning.

For more, visit swinburne.edu.au/sydney/students/student-services/

Scholarships

Excited about moving here to study?

We're just as thrilled to welcome you.

When you apply for a Swinburne course, we'll automatically consider you for an international scholarship. If you are successful, we'll advise you of both your course application and scholarship success by email.

Swinburne International Excellence Pathway Scholarship

You could be eligible to receive A\$2500 if you apply for the Postgraduate Qualification Program (PQP) + an eligible postgraduate degree.

How much is available?

- Fixed scholarship amount of A\$2500 a year off your course fees for a maximum of two years.

George Swinburne Postgraduate Scholarship

30% off your course fees for the duration of the course

You'll receive 30% off your course fees for the duration of your masters degree by course work.

For more information visit swinburne.edu.au/sydney/about/scholarships/



"I am extremely happy with the high quality of Swinburne Sydney's team and their remarkable support. So far, it has been an amazing experience."

Gabriela (Brazil)

Master of Construction and Infrastructure Management

Our student testimonials



What some of our students and graduates say about Swinburne Sydney.

"I made the right decision in selecting the Master of Information Technology (Professional Computing) at Swinburne Sydney. The course has enhanced my skills and knowledge and provided opportunities to explore a career with high employment prospects in the Information and Communication Technology industry."

Yuting

Master of Information Technology [Professional Computing]

"Swinburne Sydney's amazing staff made me feel at home. I have been pleased with the experience so far, particularly with the expertise of the team."

Nazif

Master of Construction and Infrastructure Management



"Swinburne Sydney has excellent teaching, staff support, and a unique learning environment. Staff and faculty are extremely friendly and ready to help students at all times."

Prabesh

Master of Information Technology



"I did my internship as part of my degree at Swinburne Sydney. The university was helpful in finding me a suitable organisation where I could apply my theoretical knowledge and gain experience. Furthermore, the university went above and beyond by listening to our challenges caused by COVID-19, and the providing solutions that enabled us to finish our internship on time."

Moeed

Master of Information Technology [Professional Computing]



"Swinburne Sydney's teaching and staff were extremely helpful during my studies. Their support helped me feel I could succeed and build a solid professional career even without an IT background."

Pardeep

Master of Information Technology



"At Swinburne Sydney, the teaching environment, academic staff, and student mentors are really helpful. One of the best aspects of the Swinburne experience is the link with the practical work environment. I am very confident that my degree has equipped me with the skills and knowledge to work anywhere in the world."

Shabina

Master of Information Technology



"I have an internship opportunity to gain local experience. I am so happy I made the right choice to study with Swinburne Sydney."

Uma

Master of Construction and Infrastructure Management

Postgraduate Qualifying Program

The Postgraduate Qualifying Program (PQP) prepares students, who do not meet Swinburne's English language and/or academic entry requirements, to undertake postgraduate study at Swinburne.

Successful completion of the program offers guaranteed entry into the Master of Information Technology, Master of Business Administration or Master of Data Science offered at Swinburne Sydney.

By combining English language training and academic studies, students are equipped with the skills they need to succeed in postgraduate study.

Course snapshot

Duration	Six months
Intake	June and September 2022
Tuition fee	A\$14,100 (total for 2022)*
<small>*Fees displayed are relevant to 2022 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more information.</small>	
Entry requirements	Satisfactory completion of a three-year post-secondary qualification (equivalent to Australian post-Year 12).
English language requirements	Satisfactory completion of one of the following: • IELTS (Academic Module): Overall 6.0 with no individual band below 5.5 • Swinburne English Language Centre: EAP 5 Advanced level with overall 65% and all skills 60% or above • or equivalent measures available at swinburne.edu.au/sydney/about/english-language-requirements/



Course overview

To complete the Postgraduate Qualifying Program (PQP) students must complete all four non-award units:

- COM10010 Academic Practices and Communication Skills
- LAL10003 Applied Academic Literacies
- MFP30001 Critical Thinking for Further Study
- MFP30002 Research Techniques for Further Study

Upon completion of the Postgraduate Qualifying Program, students' English competency will be deemed equivalent of IELTS 6.5 to proceed to their masters destination program.

Progression requirement

Students must successfully complete all units to progress to their preferred master degree program. Visit the website for more information about academic progress.

International Excellence Pathway Scholarship

You may be eligible for our International Excellence Pathway Scholarship and get A\$2500 deducted off your pathway program fees. See page 11 for more information.

Aims and objectives

The purpose of the Postgraduate Qualifying Program (POP) is to provide an entry pathway to students who have completed a non-NOOSR (National Office of Overseas Skills Recognition) accredited degree. This program builds on students' prior study to prepare them for entry into a Swinburne postgraduate coursework program.

You can find more information about our Postgraduate Qualifying Program at swinburne.edu.au/sydney-pqp or by scanning the QR code below.



Master of Construction and Infrastructure Management

The Master of Construction and Infrastructure Management aims to prepare graduates for future roles managing people, equipment, materials, technological processes and funds in the construction, management and maintenance of buildings and assets. This is achieved through the study of advanced management and engineering techniques in the fields of construction, building and maintenance.

Students gain significant knowledge and skills in procurement and project delivery, resource planning and management, project costing, health and safety, and risk management. They also learn about the environmental, financial, legal and contractual considerations associated with project-based industries and responsibility for all personal work outputs.

Scholarship opportunities

Scholarships are available for selected students who apply for and begin this two-year master by coursework program. For more on scholarships visit swinburne.edu.au/sydney/about/scholarships

Aims and objectives

Upon completion of the Master of Construction and Infrastructure Management course, graduates will be able to:

- apply high-level advanced knowledge and skills in Construction and Infrastructure Management practice related to design, construction, operation and maintenance of buildings and civil infrastructure
- plan and execute an independent research project in a relevant Construction and Infrastructure Management topic by applying appropriate research principles, sound methods and research skills

Course snapshot

Duration	Two years full-time
Intake	February, June and September 2022
Tuition fee	A\$38,600 (annual fee for 2022)*
	<small>*Fees displayed are relevant to 2022 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more information.</small>
Entry requirements	A recognised bachelor degree in one of the following allied fields: civil engineering, building, architecture, quantity surveying, construction management, real estate; or other cognate engineering/technology disciplines assessed to be appropriate; or approved equivalent.
English language requirements	Satisfactory completion of one of the following: <ul style="list-style-type: none"> IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0 Swinburne's English for Academic Purposes (EAP 5 Advanced level) with overall 70%, all skills 65% or equivalent measures available at swinburne.edu.au/sydney/about/english-language-requirements/

Course overview

To qualify for the award of Master of Construction and Infrastructure Management students must complete 200 credit points comprising:

- 3 Foundation units (37.5 credit points)
- 5 Technical units (62.5 credit points)
- 3 Research units (50 credit points)
- 4 Elective units (50 credit points)

Units of study**

Foundation units

Complete all three units (37.5 credit points):

- CSM80001 Project Costing
- CSM80006 Engineering Project Management
- CSM80007 Construction Site Operations

Research units

Complete all three units (50 credit points):

- ICT80011 Research Methods*
- CVE80001 Research Paper*
- ENG80001 Engineering Master Thesis* (25 credit points)

Elective units

Complete all four units (50 credit points):

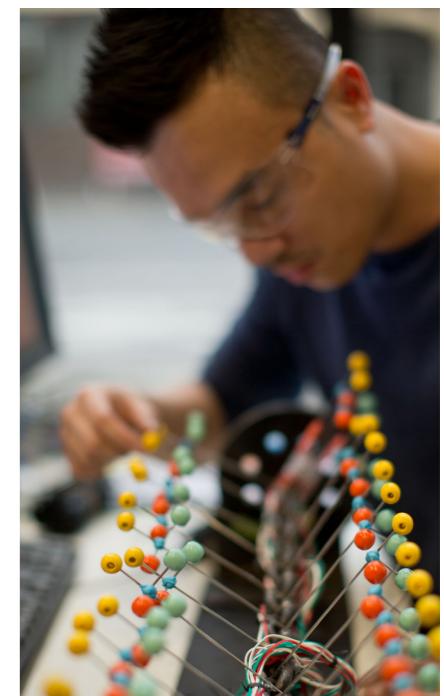
- CVE80010 Principles of Sustainability
- EDU80011 Professional Masters Career Management
- MME80003 Maintenance Management of Engineering Assets
- RSK80006 Risk Management

*Outcome units - matched exemptions are generally not granted for higher education outcome units.
**Units are subject to regular review and may change.

Career opportunities

This program will provide graduates with an opportunity to gain advanced theoretical and practical knowledge of construction and infrastructure management principles, procurement and cost analysis.

Graduates can pursue careers as construction managers, project engineers/managers, civil engineers and asset management engineers in a range of industries including consulting engineering, construction, research organisations, private sector, local and other government authorities.



You can find more information about our Master of Construction and Infrastructure Management course at swinburne.edu.au/sydney-mcim or by scanning the QR code below.



TOP
200
globally

TOP
100
globally

For engineering and technology

Times Higher Education World University Rankings by Subject 2022

For civil engineering

Academic Ranking of World Universities (ARWU) by Subject 2021

Master of Data Science

The Master of Data Science is designed to prepare students to work on the forefront of data-driven decision-making and forecasting.

Build on your existing undergraduate qualification and/or industry experience as you develop an in-depth understanding of activities and processes related to managing, interpreting, understanding and deriving knowledge from large data sets.

In this course, you'll learn how to gain meaningful insight from data obtained from business, government, scientific and other sources. Expand your knowledge and understanding of computer science and data analytics, develop skills in state-of-the-art techniques and contemporary tools covering the entire data management lifecycle.

Scholarship opportunities

Scholarships are available for selected students who apply for and begin this two-year master by coursework program. For more on scholarships visit swinburne.edu.au/sydney/about/scholarships

Aims and objectives

Upon completion of the Master of Data Science course, graduates will be able to:

- demonstrate personal discipline, scholarship of the field, critical thinking, and judgment by completing substantial projects with industry relevance
- communicate information proficiently to technical and non-technical audiences, including industry practitioners
- apply knowledge of research principles and methods to solve diverse Data Science problems from scenarios relevant to science and/or industry and critically reflect on the appropriateness of the solution
- reflect on, and take responsibility for their own learning, manage their own time and processes effectively by regularly reviewing personal performance as a means of managing continuing professional development.

Course snapshot

Duration	Two years full-time
Intake	February, June and September 2022
Tuition fee	A\$37,080 (annual fee for 2022)*

*Fees displayed are relevant to 2022 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more information.

Entry requirements	Applicants are required to have completed one of the following:
	<ul style="list-style-type: none"> • a bachelor degree (or higher award) in any discipline from a recognised higher education institution or equivalent. • the Postgraduate Qualifying Program.

English language requirements	Satisfactory completion of one of the following:
	<ul style="list-style-type: none"> • IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0 • Swinburne's English for Academic Purposes (EAP 5 Advanced level) with overall 70%, all skills 65% • or equivalent measures available at swinburne.edu.au/sydney/about/english-language-requirements/

Course overview

To qualify for the award of Master of Data Science students must complete 200 credit points comprising:

- 12 Core units (175 credit points)
- 2 Elective units (25 credit points)
- ICT80007 Research Paper

The Graduate Certificate and Graduate Diploma are exit awards (not by admission).

Units of study

Core units

Complete all 12 units (175 credit points):

- COS60004 Creating Web Applications
- COS60008 Introduction to Data Science
- COS60009 Data Management for the Big Data Age
- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project*
- COS70004 User-Centred Design
- COS70008 Technology Innovation Project* (25 credit points)
- COS80001 Cloud Computing Architecture
- COS80023 Big Data*
- COS80025 Data Visualisation
- COS80027 Machine Learning*
- COS80029 Technology Application Project* (25 credit points)

Elective units

Complete all two units (25 credit points):

- COS70006 Object-Oriented Programming
- ICT80004 Internship Project**
- ICT80007 Research Paper

*Outcome units - matched exemptions are generally not granted for higher education outcome units.

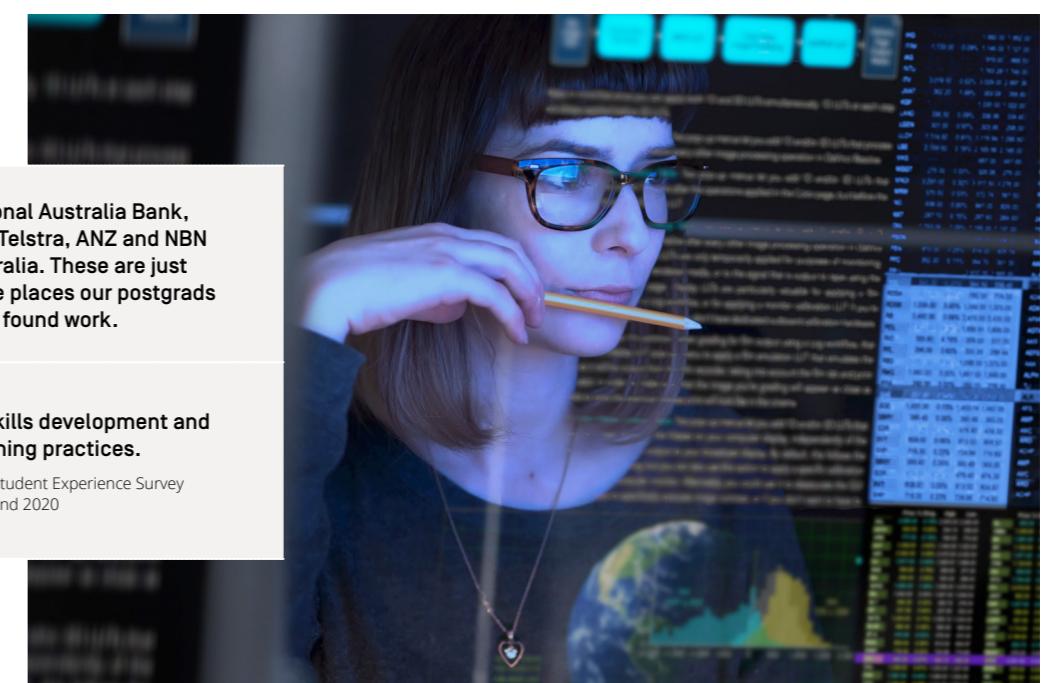
**Unit available by application only – only one Industry Engagement elective unit may be undertaken.

You can find more information about our Master of Data Science course at swinburne.edu.au/sydney-mds or by scanning the QR code below.



Career opportunities

Graduates will have skills in state-of-the-art techniques and experience in contemporary tools covering a variety of aspects of the entire data management lifecycle, allowing them to work on the forefront of data-driven decision making and forecasting.



You could work for

#1

National Australia Bank, IBM, Telstra, ANZ and NBN Australia. These are just some places our postgrads have found work.

for skills development and teaching practices.

QILT: Student Experience Survey 2019 and 2020

Master of Information Technology

The Master of Information Technology provides the knowledge and skills required to design, develop and maintain complex systems using state-of-the-art technologies and methodologies. It includes a general introduction to ICT and provides the opportunity for students to gain advanced specialist skills in areas such as networks, software development, and information systems analysis and management.

Students also have the opportunity to apply their skills through industry-related project work, including industry-linked projects for real clients. This project work can demonstrate students' skills and knowledge to potential future employers.

The course incorporates units from the Graduate Diploma of Information Technology and Graduate Certificate of Information Technology.

Scholarship opportunities

Scholarships are available for selected students who apply for and begin this two-year master by coursework program. For more on scholarships visit swinburne.edu.au/sydney/about/scholarships

Aims and objectives

- Upon completion of the Master of Information of Technology course, graduates will be able to:
- demonstrate a coherent understanding of the fundamental aspects of ICT solutions including the use of a range of tools and techniques for requirements capture, solution design and construction, and project management
 - apply knowledge of research principles and methods to plan and execute a piece of research with independence, demonstrating the ability to analyse, process and synthesise complex information
 - communicate information proficiently to a variety of audiences, demonstrating scholarship of ICT foundations, as well

Course snapshot

Duration	Two years full-time
Intake	February, June and September 2022
Tuition fee	A\$36,150 (annual fee for 2022)*
	<small>*Fees displayed are relevant to 2022 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more information.</small>
Entry requirements	<p>Applicants are required to have completed one of the following:</p> <ul style="list-style-type: none"> a bachelor degree (or higher award) in any discipline from a recognised higher education institution or equivalent; or the Graduate Certificate or Graduate Diploma of Information Technology or Information Technology; or the Postgraduate Qualifying Program.
English language requirements	<p>Satisfactory completion of one of the following:</p> <ul style="list-style-type: none"> IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0 Swinburne's English for Academic Purposes (EAP 5 Advanced level) with overall 70%, all skills 65% or equivalent measures available at swinburne.edu.au/sydney/about/english-language-requirements/

Industry leaders

This course is professionally accredited by the Australian Computer Society (ACS).



as recent advances in the ICT field within the context of specialisation (Software Development, Information Systems or Networking)

- apply a coherent and advanced knowledge of Information Technology, critically evaluate trade-offs, and create innovative solutions to complex problems with intellectual independence
- demonstrate personal discipline, scholarship of the field, critical thinking, and judgment by completing a substantial capstone project using contemporary techniques
- reflect on, and take responsibility for their own learning, manage their own time and processes effectively by regularly reviewing personal performance as a means of managing continuing professional development.



Course overview

To qualify for the award of Master of Information Technology students must complete 200 credit points comprising:

- 6 Core units (75 credit points)

1 Specialisation (100 credit points) consisting of:

- 2 Core units (25 credit points)
- 4 Technology projects (75 credit points)
- 2 Electives (25 credit points)

Units of study

Core units

Complete all six units (75 credit points):

- COS60004 Creating Web Applications
- COS60009 Data Management for the Big Data Age
- COS70004 User-Centred Design
- COS80001 Cloud Computing Architecture
- COS80021 Web Application Development*
- COS80023 Big Data*

Specialisations

Complete one of the following specialisations (100 credit points):

Data Analytics

- COS60008 Introduction to Data Science
- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project*
- COS70008 Technology Innovation Project* (25 credit points)
- COS80025 Data Visualisation
- COS80029 Technology Application Project* (25 credit points)

Software Development

- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project
- COS70006 Object-Oriented Programming
- COS70008 Technology Innovation Project* (25 credit points)
- COS80022 Software Quality and Testing
- COS80029 Technology Application Project* (25 credit points)

Cybersecurity

- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project
- COS70008 Technology Innovation Project* (25 credit points)
- CYB60004 Networks and Cybersecurity Frameworks
- ICT60001 Operating System Management

Elective units

- Complete all two units (25 credit points):
- COS80013 Internet Security
 - COS80027 Machine Learning
 - ICT80004 Internship Project.

*Outcome units - matched exemptions are generally not granted for higher education outcome units.

Career opportunities

This course provides graduates with knowledge and skills equipping them to undertake professional work at an advanced level in field of Information and Communication Technologies (ICT), and as a pathway for research and further learning.

The Master of Information Technology provides graduates from non-IT backgrounds a path to move into a career in IT.

You can find more information about our Master of Information Technology course at swinburne.edu.au/sydney-mit or by scanning the QR code below.



Master of Information Technology (Professional Computing)

The Master of Information Technology (Professional Computing) course is concerned with the mastery of theoretical knowledge and practical skills related to the design, construction, operation, support and maintenance of Information Technology (IT) solutions.

This course will provide students with advanced skills and state-of-the-art techniques used in the design and construction of IT solutions, as well as research skills needed to assess the effectiveness of IT solution or technology. Students will gain specialist skills and become capable of working with information technology solutions at an advanced level.

Scholarship opportunities

Scholarships are available for selected students who apply for and begin this two-year master by coursework program. For more on scholarships visit swinburne.edu.au/sydney/about/scholarships

Course snapshot

Duration	Two years full-time
Intake	February, June and September 2022
Tuition fee	A\$27,112.50 (annual fee for 2022)*
	<small>*Fees displayed are relevant to 2022 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more information.</small>
Entry requirements	A recognised bachelor degree in an IT-related discipline covering at least the fundamental knowledge of computer programming, web system development, database, and business applications of computer systems.
English language requirements	Satisfactory completion of one of the following: <ul style="list-style-type: none"> • IELTS overall band of 6.5 (Academic Module) with no individual band below 6.0 • Swinburne's English for Academic Purposes (EAP 5 Advanced level) with overall 70%, all skills 65% • or equivalent measures available at swinburne.edu.au/sydney/about/english-language-requirements/

Industry leaders

This course is professionally accredited by the Australian Computer Society (ACS).



Aims and objectives

Upon completion of the Master of Information of Technology (Professional Computing) course, graduates will be able to:

- apply knowledge of research principles and methods to plan and execute a piece of research with independence demonstrating the ability to analyse, process and synthesise complex information
- communicate information proficiently to a variety of audiences, demonstrating scholarship of ICT foundations, as well as recent advances in the ICT (Software Development, Information Systems or Networking)

- apply a coherent and advanced knowledge of Information Technology, critically evaluate trade-offs, and create innovative solutions to complex problems with intellectual independence
- demonstrate personal discipline, scholarship of the field, critical thinking, and judgment by completing a substantial capstone project using contemporary techniques
- reflect on, and take responsibility for their own learning, manage their own time and processes effectively by regularly reviewing personal performance as a means of managing continuing professional development.

Course overview

To qualify for the award of Master of Information Technology (Professional Computing) students must complete 150 credit points comprising:

- 4 Core units (50 credit points)
- 1 Specialisation (100 credit points) consisting of:
 - 2 Core units (25 credit points)
 - 4 Technology projects (75 credit points)

Units of study

Core units

Complete all four units (50 credit points):

- COS70004 User-Centred Design
- COS80001 Cloud Computing Architecture
- COS80021 Web Application Development*
- COS80023 Big Data*

Specialisations

Complete one of the following specialisations (100 credit points):

Data Analytics

- COS60008 Introduction to Data Science
- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project*
- COS70008 Technology Innovation Project* (25 credit points)
- COS80025 Data Visualisation
- COS80029 Technology Application Project* (25 credit points)

Software Development

- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project
- COS70006 Object-Oriented Programming
- COS70008 Technology Innovation Project* (25 credit points)
- COS80022 Software Quality and Testing
- COS80029 Technology Application Project* (25 credit points)

Cybersecurity

- COS60010 Technology Enquiry Project
- COS60011 Technology Design Project
- COS70008 Technology Innovation Project* (25 credit points)
- COS80029 Technology Application Project* (25 credit points)
- YB60004 Networks and Cybersecurity Frameworks
- ICT60001 Operating System Management

*Outcome units - matched exemptions are generally not granted for higher education outcome units.

Career opportunities

This course provides graduates with knowledge and skills allowing them to undertake professional work at an advanced level in field of Information and Communication Technologies (ICT), and as a pathway for research and further learning. The Master of Information Technology (Professional Computing) allows IT graduates to further specialise or supplement their knowledge in selected IT areas.

You can find more information about our Master of Information Technology (Professional Computing) course at swinburne.edu.au/sydney-mit-pc or by scanning the QR code below.



How to apply

Follow these steps carefully to ensure your application is processed properly.

1 Check your start date

Visit swinburne.edu.au/sydney/about/academic-calendar/ to check start dates for intakes. If you're an offshore international student, you should apply at least 3 months before your intake's start date.

2 Gather your documents

- Certified academic transcripts with grading system
- English translations where applicable
- Certified English proficiency test results
- Referee reports (if applicable)
- Course or unit syllabus if you're applying for credit transfer or Recognition of Prior Learning
- Copy of passport (photo page and relevant visa page).

3 Complete your application

Visit student-swinburne.studylink.com If you need help, please speak to your registered Swinburne representative in your home country.

4 Wait for your offer

We will assess your application. If you're successful, you will receive a letter of offer via email. The letter will indicate the:

- course you've been offered
- annual tuition fee
- course commencement date
- course duration
- deposit you need to pay
- fee for your visa-length overseas student health cover
- conditions to the offer.

Note: If you receive a conditional offer, you need to meet the condition(s) outlined in your offer letter.

5 Accept your offer

Accept by the date specified in your offer letter. For more information on how to accept your offer, visit swinburne.edu.au/sydney/students/offer/

Visit swinburne.edu.au/study/international/apply for detailed application instructions.

If you need help with your application, email our application adviser at applyswin@eca.edu.au

You can also speak with a registered Swinburne representative in your home country. Visit swinburne.edu.au/study/international/connect/representatives to search for a list of Swinburne representatives in your country.

Applying for credit transfer

What is credit transfer?

Credit transfer is exemption from certain course requirements in recognition for previous study. The term 'credit' is used interchangeably with 'Recognition of Prior Learning', 'advanced standing' and/or 'status' in Australian universities.

How to apply for credit transfer

You can apply for credit transfer by submitting a course or unit (subject) syllabus or other evidence of your skills with your application. You must also indicate on your application form that you're applying for credit transfer.

If you're applying for credit transfer for a design course you may need to submit a portfolio.

If your application for credit transfer is successful, your letter of offer will state the updated course duration and the amount of credit for which you have been assessed. If you do not apply for credit transfer when you submit your application, you can do so within the first week of commencing your course. Applications for credit transfer made after this time may not be approved.

Visit swinburne.edu.au/sydney/about/transfer-swinburne/

Applying for your student visa

You will need to obtain an Overseas Student Confirmation of Enrolment (CoE) from Swinburne to complete your student visa application. Your CoE must accompany your application. Visit homeaffairs.gov.au for more information.

Overseas student health cover

All student visa holders must have overseas student health cover (OSHC) for the duration of their study.

Swinburne will arrange your visa-length OSHC membership with our preferred provider, Medibank Private. The OSHC fee will be included with your deposit indicated in your letter of offer.

Visa-length OSHC membership is a once-only payment that provides rate protection for the duration of the visa. This means that even if OSHC fees increase during the duration of your visa, you do not have to pay any increase.

If you need to extend your OSHC (for example, if you fail some units and need to extend your stay in Australia to complete your course), it is your



Your rights and responsibilities

The Educational Services for Overseas Students (ESOS) Act regulates the

education and training sector's involvement with overseas students studying in Australia on student visas.

Visit studyinaustralia.gov.au/global-australian-education/education-system/esos-act to read a description of the ESOS framework.

Restrictions may apply if you wish to change your enrolment. Visit swinburne.edu.au/sydney/students/offer-understanding/ for more information about deferring, suspending or cancelling your enrolment.

Visit swinburne.edu.au/courses/fees-fees-for-international-students-refunds/ to read Swinburne's refund provisions, which are outlined in the offer acceptance form.

Campus

Sydney | 1-3 Fitzwilliam St, Parramatta NSW 2150

Further information

- 📞 +61 2 9160 7788 [worldwide]
- 📞 1800 595 333 [within Australia]
- ✉️ sydneyinfo@swinburne.com.au
- 👉 swinburne.edu.au/sydney

- 🌐 facebook.com/SwinburneSydney
- 🌐 linkedin.com/school/swinburne-university-of-technology-sydney



The information contained in this course guide was correct at the time of publication, February 2022. The university reserves the right to alter or amend the material contained in this guide. For the most up-to-date course information please visit our website.

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