100 years of innovation

Architecture, Design and Planning

Undergraduate and postgraduate guide 2019

Contact us

sydney.edu.au/ask
1800 SYD UNI (1800 793 864)
+61 2 8627 1444 (outside Australia)

THE UNIVERSITY OF
SYDNEY

1st in Australia and 16th in the world for Architecture/Built Environment*

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THE UNIVERSITY OF
SYDNEY

WHY CHOOSE SYDNEY

As Australia's top-ranked school in the field of architecture/built environment,* we strive for intellectual excellence, creative thinking and evidence-based research. Much of our work, and yours, will be centred on answering the global challenges of urbanisation and sustainability – the foundation of a healthy, productive future.

A Small Exhibition, curated by panovscott Architects

Emmy Omagari, Master of Architecture, 2015

* QS World University Rankings by Subject, 2018

Architecture Graduation Exhibition, 2017

History of innovation

For 100 years we have been pioneers in teaching and research across the built environment.

Outstanding facilities

Benefit from the latest facilities – the only indoor environment quality (IEQ) laboratory in the southern hemisphere, an extensive research lighting laboratory and outstanding audio and acoustic facilities, including an anechoic chamber and recording studio.

The Wilkinson Building has one of the best-equipped design, modelling and fabrication labs in the country and provides dedicated studio spaces for students.

Choice and flexibility

Core and optional units of study taken from within the school can be supplemented by a broad range of electives from across the University.

Vibrant campus life

The University of Sydney School of Architecture, Design and Planning is large enough to attract world-renowned researchers and teachers, yet small enough to provide a distinct, collegiate environment.

A calendar of extracurricular events ensures there is always something stimulating happening, including exhibitions at the school's Tin Sheds Gallery.

– sydney.edu.au/architecture/tinsheds

Students from the Sydney School of Architecture, Design and Planning and the Freswind community of Ohlen, Vanuatu, designed and built a new school in Port Vila.

MailboX, Isabella Bain and Christopher Simpson, Bachelor of Design Computing, 2016

Social justice

We are committed to providing you with an education that promotes architecture, design and planning as ways of improving environmental and social outcomes.

You can apply classroom knowledge to real-world problems that engage with communities across Australia, Vanuatu and Indonesia, continuing the legacy of the late Col James, whose work in Redfern in the 1960s and '70s was instrumental in improving Indigenous outcomes.

Rewarding the best

The school offers a broad range of scholarships and prizes to support and reward talented students.

– sydney.edu.au/scholarships

International opportunities

During your studies, you can take advantage of exchange programs with leading universities and international elective units of study, to visit destinations across North and South America, Scandinavia, China, Indonesia, Japan and the UK.

Temple, Sophie Lanigan and Isobel Lord, Bachelor of Design in Architecture, *Sculpture by the Sea*, 2017

Benjamin Shand, Master of Architecture, 2016

UNDERGRADUATE ARCHITECTURE AT SYDNEY

We offer a choice of undergraduate architectural programs, supporting a variety of career pathways, further study opportunities and personal ambitions.

At the School of Architecture, Design and Planning, you will benefit from a unique and flexible course structure. To further support your studies you can use our state-of-the-art computer laboratories and digital fabrication equipment, alongside traditional modelling and prototyping.

Opportunities for industry internships and international travel will further broaden your thinking as a design professional.

– **Bachelor of Architecture and Environments** is a fast-paced degree exploring the fundamentals of architecture within the context of the broader built environment. Graduates have great choice of specialist postgraduate study for careers in architecture, urban design, design, property development, architectural and building technology.

– **Bachelor of Design in Architecture** is a forward-thinking, studio-based program and your first step to becoming a registered architect when followed by the Master of Architecture degree.

– **Bachelor of Design in Architecture (Honours)/ Master of Architecture** is a new, five-year, double degree with embedded honours, suitable for high-performing students seeking to develop the capabilities for groundbreaking practice in design innovation.

The University of Sydney

Sydney Recomposition, Benjamin Charlton, Master of Architecture, 2017

Sophie Lanigan, Bachelor of Design in Architecture

Skins, Luke Hannaford, Bachelor of Design in Architecture, 2017

I'm interested in …	I'd like to be a …	I will study …	Further options …
design, building construction, urban environments, architecture heritage	**design manager, project manager, property developer, urban planner, building designer, urban designer or architect**	**Bachelor of Architecture and Environments** (3 years full time)	**Master's degree** – Architecture – Audio and Acoustics – Heritage Conservation – High Performance Buildings – Illumination Design – Sustainable Design – Urban Design – Urban and Regional Planning – Urbanism
architecture, art, design or technology	**architect**	**Bachelor of Design in Architecture** (3 years full time)	**Master's degree** – Architecture
architecture, architectural theory or research	**design researcher and strategist or academic**	**Double degree: Bachelor of Design in Architecture (Honours)/Master of Architecture** (5 years full time)	

DOUBLE DEGREE: BACHELOR OF DESIGN IN ARCHITECTURE (HONOURS)/ MASTER OF ARCHITECTURE

If you are a dedicated learner and aspire to be an innovator in the practice of architecture, this five-year double degree will help you to realise your ambitions.

Coupling the undergraduate Bachelor of Design in Architecture with the postgraduate Master of Architecture, this vertical double degree is tailored to empower a small group of highly capable students to become leaders in the architecture profession.

You will undertake all subjects that are core to the two standalone degrees and at the same time undertake a select suite of research-rich subjects. This will lead to the attainment of undergraduate honours, which otherwise requires an additional full year of study. Students will also work closely with prominent visiting architects in intensive workshops. In 2017, Professor Tom Heneghan from the Tokyo University of the Arts visited Sydney to lead a week-long design studio exclusively for the double-degree students.

The culmination of the honours component is an architecture dissertation, which will provide you with the opportunity to carry out a substantial piece of research on a topic in architecture of your own choosing, under the individual supervision of an academic with expertise in the area.

The dissertation may take the form of a traditional thesis, scientific report, or an innovative architectural proposal backed up by a theoretical text, demonstrating both creativity and critical thinking – attributes that are in high demand in architectural practice.

Students who meet the required academic threshold upon completion of the Bachelor of Design in Architecture component of the degree are assured automatic admission into the Master of Architecture course. Domestic students are assured a Commonwealth-supported place.

Course details

Lowest ATAR to receive an offer in 2019: 97.00
Portfolio scheme available for domestic students
UAC course code: 511104
Duration: 5 years full time
Entry: Semester 1 only
CRICOS code: 093745M
English language requirements for international students:
IELTS 7.0, no band under 6.0

Intensive Architecture Studio Workshop with Professor Tom Heneghan

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
BDES1026	Architecture Studio 1A	1	12
BDES1011	Architectural History/Theory 1	1	6
AWSS1001	Architectural Sketching and Drawing*	1	6
BDES1027	Architecture Studio 1B	2	12
BDES1023	Architectural Technologies 1	2	6
BDES1028	Honours Intensive Studio 1	2	6
Year 2			
BDES2026	Architecture Studio 2A	1	12
BDES2013	Architectural Technologies 2	1	6
DESA3003	Architectural Detailing	1	6
BDES2027	Architecture Studio 2B	2	12
BDES2024	Art Processes	2	6
BDES2028	Honours Intensive Studio 2	2	6
Year 3			
BDES3026	Architecture Studio 3A	1	12
BDES3011	Architectural History/Theory 3	1	6
	Critical Thinking in Architecture	1	6
BDES3027	Architecture Studio 3B	2	12
BDES3025	Architectural Professional Practice	2	6
	Architecture research areas: 1. Design 2. History and Theory 3. Technologies	2	6
Year 4			
MARC4003	Digital Architecture Research Studio	1	12
MARC4101	Advanced Technologies 1	1	6
	Research Methods in Architecture	1	6
MARC4001	Urban Architecture Research Studio	2	12
	Architecture Dissertation	2	12
Year 5			
MARC4002	Sustainable Architecture Research Studio	1	12
MARC4201	Modern Architectural History	1	12
MARC5101	Advanced Technologies 2	1	12
MARC5001	Graduation Studio	2	12
MARC4102	Modern Architectural Theory	2	6
MARC5102	Contract Documentation	2	6

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Credit points required per semester: 24
Total credit points required to complete degree: 240
Indicative progression based on a Semester 1 enrolment.

* These units are electives; you can choose other options.

For a full course description, visit:
sydney.edu.au/courses/bachelor-architecture-master-architecture
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"What I find most interesting about the degree is both the creative freedom of the study and the sense of relationship to the architectural tradition.

"There is so much scope to take your project in any direction which interests you; from a design itself, to how you communicate your ideas, there is little prescription of what you must do. Rather there is lots of help available in producing high-quality work while developing a style which is uniquely yours.

"Meanwhile, with experienced or working architects as tutors and lecturers there is a very strong connection to the actual practice of architecture embedded in all our work."

Caleb Niethe
Bachelor of Architecture (Honours) and
Master of Architecture (second year)

BACHELOR OF DESIGN IN ARCHITECTURE
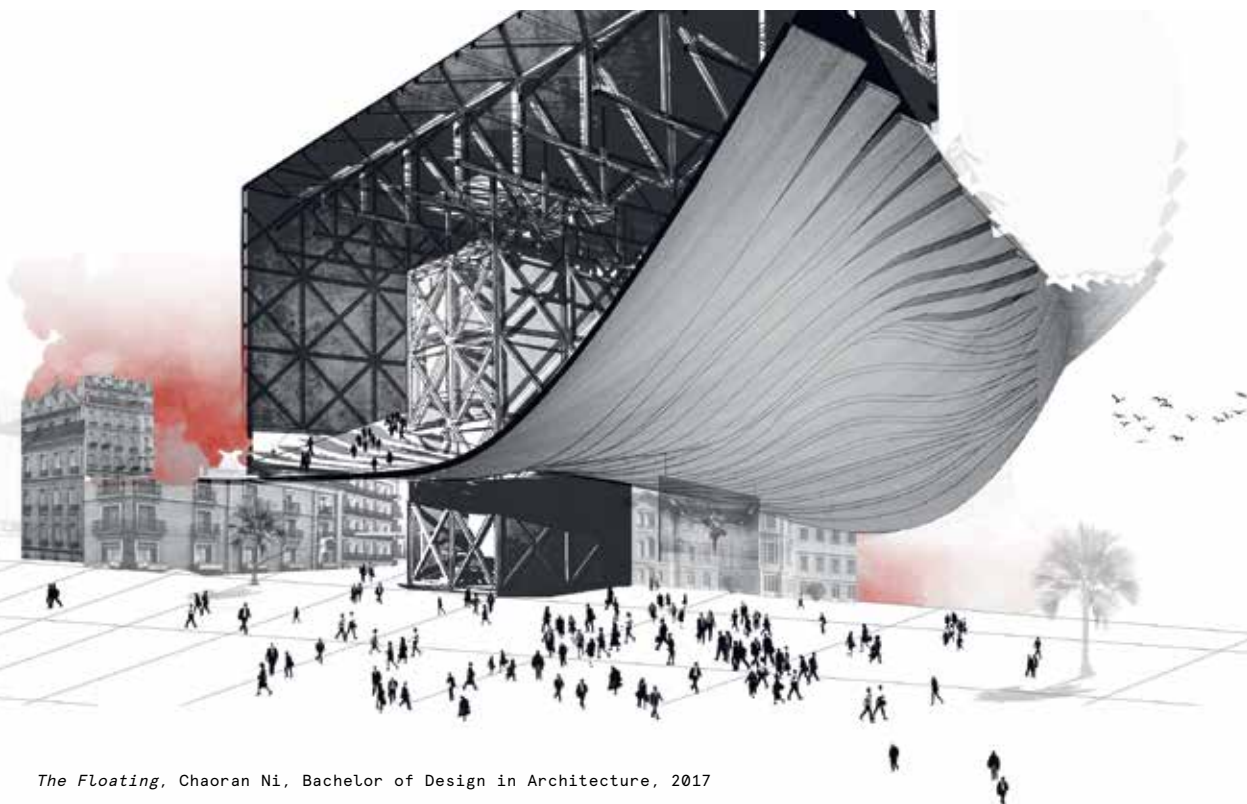
The Floating, Chaoran Ni, Bachelor of Design in Architecture, 2017

This degree introduces you to the rewarding discipline of architecture and is your first step to becoming an architect.

The program enables you to conceptualise designs, test assumptions, evaluate results and refine your craft. You will undertake a core program in history and theory, communications, technology, and design workshops. Through a studio–based program, you will work with fellow students to solve design challenges and test assumptions.

A range of other opportunities, including international exchange, student exhibitions, design competitions and industry presentations, are also available to you.

Upon completion, most students enrol in the Master of Architecture to achieve professional certification, followed by the requisite registration process.

Course details

Lowest ATAR to receive an offer in 2019: 95.00
Portfolio scheme available for domestic students
UAC course code: 511101
Duration: 3 years full time
Entry: Semester 1 only
CRICOS code: 052456D
English language requirements for international students: IELTS 7.0, no band under 6.0

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
BDES1011	Architectural History/Theory 1	1	6
BDES1026	Architecture Studio 1A	1	12
DESA1555	Safety Induction and Competency Unit	1	0
AWSS1001	Architectural Sketching and Drawing*	1	6
BDES1023	Architectural Technologies 1	2	6
BDES1027	Architecture Studio 1B	2	12
	Elective	2	6
Year 2			
BDES2013	Architectural Technologies 2	1	6
BDES2026	Architecture Studio 2A	1	12
	Elective	1	6
BDES2024	Art Processes	2	6
BDES2027	Architecture Studio 2B	2	12
	Elective	2	6
Year 3			
BDES3011	Architectural History/Theory 3	1	6
BDES3026	Architecture Studio 3A	1	12
	Elective	1	6
BDES3025	Architectural Professional Practice (prerequisite unit for admission into Master of Architecture)	2	6
BDES3027	Architecture Studio 3B	2	12
	Elective	2	6

Credit points required per semester: 24
Total credit points required to complete degree: 144

For a full course description, visit:
sydney.edu.au/courses/bachelor-design-architecture

"Architecture has become more than just buildings to me. It has become a way of creating an atmosphere, of resolving social issues and supporting the community. Seeing the power of architecture and the potential for good design to change the social fabric has fuelled my desire to work in public spaces, where I am able to contribute to the resolution of social issues and create more convivial and engaging conversations within communities."

Zahin Chowdhury
Bachelor of Design in Architecture
(second-year student)

Left: Students showcase their talent at
DesignBUILD 2017

BACHELOR OF ARCHITECTURE AND ENVIRONMENTS

This degree offers you a career pathway into the future of architecture, design, construction and urban planning.

Architecture Graduation Exhibition, 2017

The Bachelor of Architecture and Environments provides a broad overview of architecture and the built environment through a range of projects, including sustainable design, building science, architecture, heritage, urban design and planning.

With this multidisciplinary program you can access a wide range of professions in the built environment field, including a career as an architect, property developer or urban planner. Whether you choose to graduate with this course or proceed to one of our range of professional master's courses, this degree provides you with the skills and knowledge to operate successfully in today's complex and globalised built environment industries.

Course details
Lowest ATAR to receive an offer in 2019: 85.00
Portfolio scheme available for domestic students
UAC course code: 511103
Duration: 3 years full time
Entry: Semester 1 only
CRICOS code: 082879K
English language requirements for international students: IELTS 7.0, no band under 6.0

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
DECO1006	Design Processes and Methods	1	6
BDES1011	Architectural History/Theory 1	1	6
AWSS1001	Architectural Sketching and Drawing	1	6
BDES1012	Architectural Communications 1	1	6
DESA1555	Safety Induction and Competency Unit	1	0
BADP1001	Empirical Thinking	2	6
BDES1023	Architectural Technologies 1	2	6
DAAE1001	Living Cities	2	6
BAEN1001	Design in Architecture	2	6
Year 2			
BAEN2001	Design Integration Lab: Materials	1	6
BADP2002	City Form and Development	1	6
BADP2003	Light and Sound	1	6
DAAE2005	Designing with Colour*	1	6
BAEN2002	Design Integration Lab: Energy	2	6
BDES2013	Architectural Technologies 2	2	6
BADP2001	Algorithmic Architecture	2	6
DECO2015	Design for Innovation*	2	6
Year 3			
BDES3023	Architectural Technologies 3	1	6
BAEN3001	Design Integration Lab: Urban	1	6
BADP3001	Designing for Environmental Quality	1	6
	Elective	1	6
BADP3002	Property and the Built Environment	2	6
BAEN3002	Design Integration Lab: Capstone	2	12
BDES3025	Architectural Professional Practice (recommended elective)	2	6

Credit points required per semester: 24
Total credit points required to complete degree: 144
Indicative progression based on a Semester 1 enrolment.

* These units are electives; you can choose other options

For a full course description, visit:
sydney.edu.au/courses/bachelor-architecture-environments

"In my first year I was extremely fortunate to intern at Arup in the firm's Integrated Design and Planning Team as well as working closely with their International Development Team. This was made possible through CareerTrackers, an Indigenous Leadership program at the University of Sydney.

"This internship has helped with my confidence and design capabilities. It became the practical application of what I'm studying and has helped to build on my skills. I have experienced first-hand how I can apply the units I have already taken and the concepts I've learned from them, and how they are relevant to career options."

Nicoletta Andreou
Bachelor of Architecture and Environments
(second year)

BACHELOR OF DESIGN COMPUTING

From websites and mobile apps to the internet of things and virtual reality, you will be at the leading edge of today's user experience (UX) design world when you study with us.

By taking the Bachelor of Design Computing, you will learn how to create human-centred products and services. You will gain a toolbox of skills in visual design, digital media production, coding, prototyping and UX design.

Most importantly, you will be taught to recognise and use tools that address specific social and commercial challenges and to solve real-world problems.

As a graduate, your skills in design thinking coupled with technical skills, including coding, will make you highly sought after by a range of employers, from digital start-ups to major multinational corporations.

Course details
Lowest ATAR to receive an offer in 2019: 80.00
Portfolio scheme available for domestic students
UAC course code: 511102
Duration: 3 years full time
Entry: Semester 1 and 2
CRICOS code: 036730B
English language requirement for international students: IELTS 7.0, no band under 6.0

REALM, Rohann Dorabjee

University of Sydney

LEO, created by Heidi Laidler, Mark Ollis and Annabelle Pound, is a smart-home bedside table lamp designed to help stressed people to relax before bed using light and sound and by guiding users through breathing exercises.

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
DECO1012	Design Programming	1	6
DECO1006	Design Processes and Methods	1	6
DECO1014	Digital Media Production	1	6
DECO1015	Visual Communication	1	6
DECO1008	3D Modelling and Fabrication	2	6
DECO1013	Physical Computing	2	6
DECO1016	Web Design and Technologies	2	6
DECO1017	Principles of Animation	2	6
DESA1555	Safety Induction and Competency Unit	2	0
Year 2			
DECO2014	User Experience Design Studio	1	12
DECO2010	Designing Social Media*	1	6
ARIN2640	Games and Play*	1	6
DECO2200	Interaction Design Studio	2	12
DECO2015	Design for Innovation*	2	6
INFS2010	People, Information and Knowledge*	2	6
Year 3			
DECO3100	Information Visualisation Design Studio	1	12
DECO3101	Innovation Design Studio*	1	6
ARIN3610	Technology and Culture*	1	6
DECO3200	Interactive Product Design Studio	2	12
INFO3315	Human-Computer Interaction*	2	6
COMP3419	Graphics and Multimedia*	2	6

* These units are electives; you can choose other options

Credit points required per semester: 24
Total credit points required to complete degree: 144
Indicative progression based on a Semester 1 enrolment.

For a full course description, visit:
sydney.edu.au/courses/bachelor-design-computing

"My Design Studio tutor works for Google and encouraged me to apply for an internship. I'm now a user experience designer on the Android Google Maps team. We work with researchers and engineers to design new products and features. It's heaps of fun!

"Working here is very similar to what I do in my degree. At university we have to collaborate with other designers and work to a brief while still being creative and willing to try new things. We are always asking each other questions or helping each other out. It's very similar to how things work at Google, where everyone is encouraged to collaborate and bounce ideas off each other.

"The internship has countless benefits. It's helped me to understand the kind of job I want. Being able to apply what I've learned in my degree has been very rewarding and I'm learning new things every day."

Sophie Gardner
Bachelor of Design Computing (2017)

THE COMBINED BACHELOR OF ADVANCED STUDIES

The Bachelor of Design Computing, taken in combination with the new Bachelor of Advanced Studies supercharges your undergraduate experience at Sydney.

Over four years, you will:

- design your own degree by combining majors from a range of disciplines

- complete a second major from either your primary study area or the shared pool of majors and minors

- complete advanced coursework to build on your expertise and leadership skills, or complete an honours project

- work on real-world industry, community and research challenges across disciplines.

- **sydney.edu.au/ bachelor-advanced-studies**

Bachelor's degree	Degree	Combined Bachelor of Advanced Studies
3 years	Duration	4 years
	Components	
● Double major optional	Major	●
●	Minor (or second major)	
●	Open Learning Environment	●
●	Electives	●
●	Exchange (available)	●
●	Third-year project (per major)	●
	Advanced coursework	●
	Substantial fourth-year project	●
●	Honours (available)	●

For studies in arts, commerce, design computing, economics, science and visual arts.

BACHELOR OF DESIGN COMPUTING/ BACHELOR OF ADVANCED STUDIES

This degree will provide you with specialised training for a career in interaction design and creative technologies. It will build your skills in entrepreneurship, leadership and innovation, broaden your opportunities and prepare you for future success.

In this degree, you will learn how to use design to define the interactions between people and technology by understanding users' needs and desires to create human-centred products and services. You will gain a toolbox of skills in design process and methods, coding, object design, digital media production, prototyping and user experience (UX) design. Most importantly, you will be taught to recognise and use tools that address specific social and commercial challenges, to solve real-world problems.

The degree includes four design studios that focus on user experience (UX) design, interaction design, information visualisation, and interactive product design. Through these you will build your portfolio and be well prepared for a career in this exciting, high-growth and highly paid industry. You can also take electives from other faculties.

Combine studies from a range of disciplines, undertake advanced coursework, and get involved in cross-disciplinary community, professional, research or entrepreneurial project work.

Jack Zhao and Andrea Lau, Directors, Co-Founders, Data Visualisation Specialists, Small Multiples


Architecture, Design and Planning

Stephanie Grace
Interaction Designer,
Bloomberg LP, New York
Bachelor of Design Computing
(Hons, 1st Class), 2009

"The University of Sydney is a pioneer in this area with its design computing course. The curriculum covers everything from art to deep-end technology. Since the students study the full spectrum, they not only have a choice of careers ahead of them, they are also fantastic collaborators.

"The graduates emerging from this course are in very high demand. It's a great position to be in."

Hurol Inan
CEO, Wunderman–Bienalto

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INSIDE VIEW

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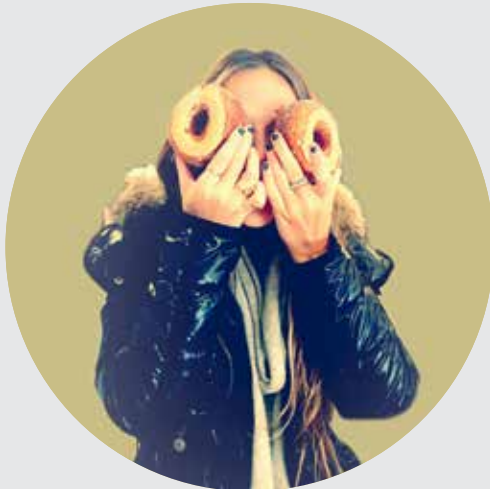
"I don't think people realise all the amazing career opportunities this degree opens you up to. More companies are realising and harnessing the power of design, and designers are now sitting at the table in strategic discussions."

Britt Friede
Product Designer, Facebook, San Francisco
Bachelor of Design Computing, 2015

"The program covers a broad range of design principles, which ultimately helped me to realise my passion for motion picture visual effects. A career highlight was working on *Avengers: Age of Ultron* and *Mad Max: Fury Road*."

Arthur Jing
Virtual Art Department Proxy Modeller, Weta Digital
Bachelor of Design Computing, 2011

DALYELL SCHOLARS PROGRAM

For students in the Bachelor of Design Computing/ Bachelor of Advanced Studies, Dalyell Scholars have access to a range of enrichment opportunities that will challenge you alongside your most promising and talented peers.

As a Dalyell Scholar you can draw on the rich interdisciplinary depth and breadth on offer at the University, cultivating the leadership and professional expertise to become part of our global network of leaders.

Named after Elsie Jean Dalyell OBE (1881–1948), a distinguished medical graduate of the University, Dalyell Scholars will have the opportunity to collaborate and network with like-minded world influencers.

In addition to completing distinctive Dalyell units of study, you will have access to enrichment opportunities, including:

– accelerated learning options, such as early access to advanced units of study

– access to specialised language (arts) and mathematical sciences (science) programs (optional)

– tailored mentoring and professional skills development to enhance your study and career opportunities

– international experiences to develop your global perspective, including a $2000 global mobility scholarship.

The following course in architecture and interaction design is available to study through the Dalyell Scholars program:

– Bachelor of Design Computing/ Bachelor of Advanced Studies.

Visit our website for a full list of Dalyell Scholars courses available:
– sydney.edu.au/dalyell-scholars

INDUSTRY ENGAGEMENT

To ensure you graduate with relevant professional insights, you will have the opportunity to engage with partners across the built environment and interactive design industries.

Rob|Arch 2016

Many of our staff have roles in leading industry organisations, including the Australian Institute of Architects, NSW Architects Registration Board, Planning Institute of Australia, and national accreditation panels.

Our adjunct academics bring their expertise to teaching and offer opportunities for engagement and employment.

As a student here, you will be able to participate in real-life industry projects driven by innovation and focusing on elements such as architectural design, prefabrication, manufacturing, advanced building technologies, computational prototyping, robotics and more.

Collaborate with leading organisations and practices such as Arup, BVN, Lendlease, Bates Smart, Neeson Murcutt, NSW Government Architect, Gehl, Atlassian, Cox Architecture, FJMT and Tonkin Zulaikha Greer.

We also host exhibitions, visiting international scholars for symposiums, workshops and lectures.

INTERNATIONAL TRAVEL

Expand your personal, academic and professional experience through a wide range of international travel opportunities available when you study with us.

From 2014 to 2016, more than 300 students visited 17 countries including Japan, Sweden, Germany, Denmark, the United Kingdom, Italy, France and the United States. In 2016, 15 students from the Master of Architecture program exhibited at the Venice Architecture Biennale as part of their studies.

In July 2017, a group of architecture students and tutors travelled to Port Vila, Vanuatu, to begin the process of designing and building a new school for the Ohlen Freswind Community. This ongoing project engages students in cultural and community consultation, along with disaster-resistant building techniques.

Whether you are an undergraduate, postgraduate or research student there is a broad range of international studios, exchange programs and travel for research purposes on offer each year.

Exchange program

Participating in an exchange program is available to students in most of our degrees. Our international exchange program enables you to graduate with a truly global perspective while having your studies overseas credited towards your degree at Sydney.

– sydney.edu.au/student-exchange

International Studio units

There are many opportunities for you to travel as part of your study, and new options are arising on a continual basis.

International Studio units of study, for example, can be counted as credit towards your degree.

Top left: Master of Architecture students' exhibition at the Venice Architecture Biennale

Top middle: Master of Urban and Regional Planning students in Bandung, Indonesia

Top right: Camilla Phillips, Master of Architecture, Lund University Semester 2

Postgraduate study
Where will postgraduate study lead you?

Whether you want to gain professional qualifications, change your career direction or pursue a personal ambition, the University of Sydney will steer you to places you've never imagined.

Our coursework and research degrees offer far more than knowledge. You'll join leading thinkers to challenge the known and explore the unknown, in a stimulating environment that encourages both learning and networking. To support research and teaching excellence, we are investing in the latest innovative technology and exceptional facilities.

Our regular ranking in the top 50 universities worldwide reflects our outstanding reputation.*

Graduates from the University of Sydney are among the world's most sought-after employees – we are ranked first in Australia and fourth in the world for graduate employability.**

Postgraduate coursework options

Master's degrees are ideal if you need specialised knowledge and skills, and want to take the next step in your career. You can gain professional qualifications for your next job, upskill for your current role, develop academic expertise in your chosen field, and expand your breadth of knowledge.

Master's degrees typically require between one and two years' full-time study. If you can't commit to a full-time master's degree straight away because of family or work commitments, we also offer the flexibility of part-time study for domestic students.

Graduate diplomas and graduate certificates are usually based on master's degrees and offer a subset of the master's units. They are worth considering if you want to try out postgraduate study to suit your own circumstances – financial or time constraints – increase the breadth of your expertise and knowledge, or if you don't quite meet the admission criteria for a master's degree.

Once you finish the graduate certificate (usually six months' full-time study) you may then be able to progress to the equivalent graduate diploma (usually one year full time) and a master's degree (see the progression diagram below as a guide – please note that progressions requirements can vary).

A graduate certificate or diploma is also an excellent option if you don't want to commit to a full master's, but would still like a solid grounding in your chosen field.

Graduate certificate
Complete some of the essential units of study towards a master's degree
Usually six months of full-time study

Graduate diploma
Complete more units of study that you can count towards a master's degree
Usually one year of full-time study

Master's degree
Gain specialised skills and knowledge or professional qualifications
Usually one or two years of full-time study

Short courses

If you are not sure about studying a full degree or are interested in professional development, you can choose to take a single unit of study in a 'non-award' course.

We offer hundreds of units of study across selected faculties, including many that you can use to earn continuing professional development points or explore subjects of general interest.

You will receive an official academic transcript at the end of your studies, and may be able to use it to request credit for a longer course, such as a master's degree, at the University.

– sydney.edu.au/study/short-courses

Credit for previous studies

You may be eligible for credit if we assess your previous studies as being directly equivalent to our units of study. In some cases you may be granted a block of credit if it is in the same subject area.

How do I apply for credit?
You need to apply when completing your online course application. We will let you know in your offer letter if you have been successful. For more information, visit:

– sydney.edu.au/study/credit

A world of opportunity

We'll connect you to the world through our exchange programs, helping you gain real-world experience to enhance your career prospects and build your networks.

Exchange programs
The University has 300 exchange partners in 42 countries. All of them broaden your horizons and immerse you in different cultures and environments. More than 120 of these partners are listed among the top 200 universities in the world.*

If you are eligible to become an exchange student** you remain enrolled full time at the University while you are overseas and continue to pay your usual tuition fees. A student from your host institution will come to Sydney, and the result is an exchange of students and places.

To find out more about exchange programs, visit:

– sydney.edu.au/sydney-abroad

* Times Higher Education World University Rankings, 2018

** Postgraduate students can go on exchange if their course has a minimum of 72 credit points (to allow enough lead time to apply), and if it does not have specific accreditation requirements that must be completed here in Sydney (which will then allow space for electives).

Master of Architecture

To meet the global challenges faced by contemporary architectural practice and discourse, you will develop a diverse skillset that allows you to invent new design, intellectual, and technological concepts to put you at the forefront of your discipline.

The Master of Architecture builds on your undergraduate experience and emphasises integration and research-led design inquiry through studio-based projects. Architectural history, theory and philosophy are course foundations.

During the course, you will develop working knowledge and expertise across a sequence of three architectural research studios that focus on urban, sustainable and digital themes.

At the culmination of your studies you will be able to integrate the theoretical, historical, technical and design knowledge and skills you have acquired. You will also be able to expand your perspectives on architectural practice by completing one semester of international exchange during the first three semesters of the program.

Outcome of this course

Graduates may apply to register as an architect with the NSW Architects Registration Board and pursue a range of fields including architecture, design and the wider built environment.

The Master of Architecture, preceded by the Bachelor of Design in Architecture, Bachelor of Architecture and Environments or another equivalent degree, is recognised by both the Australian Institute of Architects and the Commonwealth Association of Architects.

Modes of study

You can take the Master of Architecture full time or part time. The maximum time for part-time study is six years. International applicants must be enrolled full time.

Course details

Course name	Credit points	Duration (full time)
Master of Architecture	96	2 years

Architecture Graduate Exhibition, 2017

The University of Sydney

Sydney Recomposition, Benjamin Charlton, Master of Architecture 2017

Indicative course progression

The following is an indicative progression for the Master of Architecture, for students seeking an emphasis on Digital Architecture.

Unit code	Unit of study	Sem	CP
Year 1			
MARC400*	Research Studio*	1	12
MARC4201	Modern Architectural History	1	6
MARC4101	Advanced Technologies 1	1	6
MARC400*	Research Studio*	2	12
ARCH9113	Advanced Topics in Australian Architecture**	2	6
DESC9169	Daylight in Buildings**	2	6
Year 2			
MARC400*	Research Studio*	1	12
MARC6102	3D Computer Design Modelling (or other elective unit of study)	1	6
MARC5101	Advanced Technologies 2	1	6
MARC5001	Graduation Studio	2	12
MARC5102	Contract Documentation	2	6
MARC4102	Modern Architectural Theory	2	6

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Credit points required per semester: 24
Total credit points required to complete degree: 96
Indicative progression based on a Semester 1 enrolment.

* You will undertake the Research Studio unit of study
in Semester 1 and 2 of Year 1, and Semester 1 of Year 2.
Each time, you will choose one of the following:
MARC4001  Urban Architecture Research Studio
MARC4002  Sustainable Architecture Research Studio
MARC4003  Digital Architecture Research Studio

** These are electives; you can take other options.

For a full course description, visit:
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sydney.edu.au/courses/master-architecture

Admission requirements

For admission to the Master of Architecture, you need to hold a Bachelor of Design in Architecture, or a Bachelor of Architecture and Environments or equivalent from another university.

Students who have completed the Bachelor of Design in Architecture at the University of Sydney need to have completed the Master of Architecture prerequisite unit of study BDES3025 (Architectural Professional Practice) and have a weighted average mark (WAM) of 65.

Students who have completed the Bachelor of Architecture and Environments or an equivalent undergraduate architecture degree at another university will need a credit average (65 percent or equivalent) over the final two years of their degree, and must submit a portfolio of work to the faculty and/or demonstrate practical experience.

Precariat Social Housing, Ana Subotic, Master of Architecture, 2017
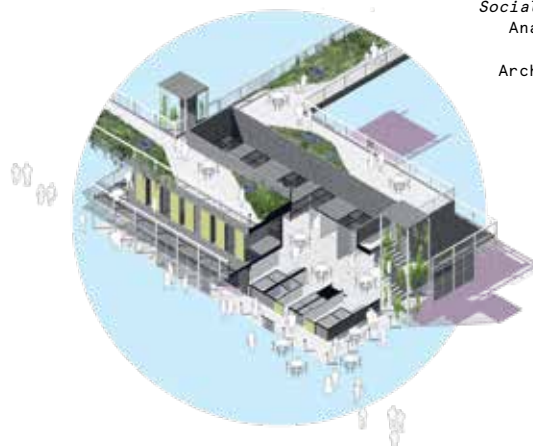
Inside view from our
Master of Architecture graduates

"The Master of Architecture program presented a once-in-a lifetime opportunity to research and learn a broad range of subjects from an internationally acclaimed university. The course was filled with highlights; one that stands out was the International Intensive Workshop in Bandung, Indonesia.

"This was an exceptional experience as it helped me to engage with complex social issues and develop resolutions with a combination of digital tools and vernacular design principles."

Amelie Devaux
Master of Architecture, 2017
Supercontext (architecture studio)

"I'm working as a Graduate Architect at Populous. Since joining the firm, I've been lucky enough to be involved in one of Sydney's major developments, the Western Sydney Stadium.

"In my role, I'm responsible for coordinating the services and sustainable design aspects of the building, giving me the opportunity to work with a wide range of industry professionals.

"I'm tasked with ensuring our design intent is integrated with the technical aspects of the building, from design stage through to construction."

Danna Rasyad Priyatna
Master of Architecture, 2016
Architectural Graduate, Populous
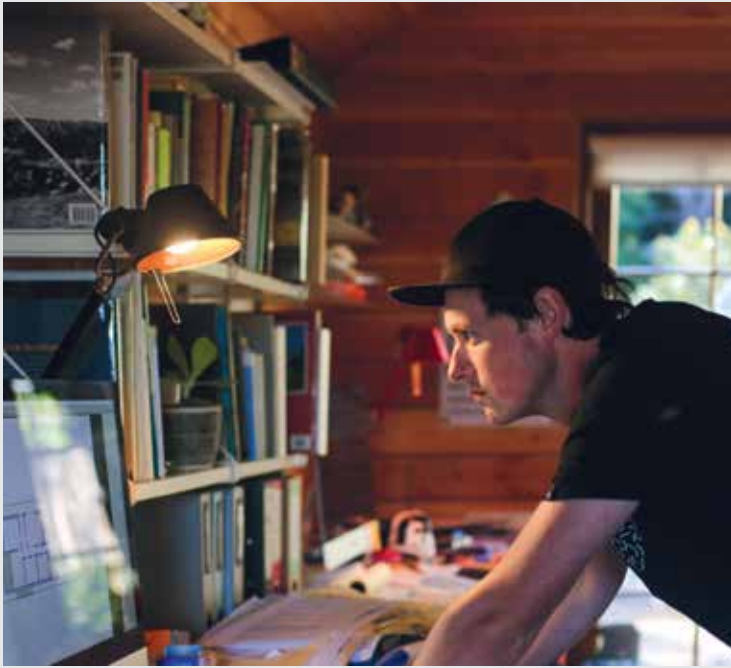
"The highlight of my postgraduate studies at Sydney was the winter elective. I was accepted into a position under the Hezlet Bequest Travelling Scholarship whereby I went to Philadelphia in the United States to study how the city has changed over time.

"It was an opportunity to observe, interact and witness the visible effects of abandonment, collection and re-use upon the US's historic cities."

Henry Charles Brown
Master of Architecture, 2018
Architectural Assistant, Team B

"In both my undergraduate and postgraduate degrees at the University of Sydney, I was afforded the opportunity to live and study in Denmark. During this time I was exposed to a different education system, design mentality and way of living.

"I quickly had to re-evaluate my habits and rituals and embrace a new form of living and spatial understanding. Exposure to this vibrant lifestyle and culture taught me the value of architecture in the daily lives of a city's inhabitants and its cultural identity.

"I explored this idea closer to home at Yarrabah, an Aboriginal community near Cairns, Queensland. Here, in contrast to the Danish example, a lack of cultural understanding had led to miscommunications between residents and designer – and to a housing crisis.

"By talking with local representatives, elders and prominent regional architects, we worked to develop culturally and socially specific proposals to bridge the divide.

"These moments helped build my education on a foundation of intense theoretical and historical study refined through exposure and experience."

Kingsley May
Bachelor of Design in Architecture, 2013
Master of Architecture, 2017
Graduate Architect, CO–AP Architects

Architecture, Design and Planning

Audio and Acoustics
Master of Architectural Science

Sound informs and shapes our experience of communication, entertainment and architectural spaces. Our audio and acoustics program offers a solid foundation in the design, measurement and theory of sound and environmental acoustics.

Throughout this program you will combine sound recording, design and new media with acoustic engineering, signal processing, audio systems, computational modelling and psychoacoustics. You will build on a foundational understanding of the broader aspects of architectural science, including illumination, building services, sustainable design and indoor environmental quality.

Facilities and equipment

The school has extensive audio and acoustic facilities including:

– spatial audio lab for recording and production
– anechoic chamber and reverberant room
– 196-loudspeaker hemispherical array
– field-measurement kits
– the only indoor environmental quality laboratory in the southern hemisphere.

Who should choose this course?

The program is ideal for audio engineers, architects, interior designers, sustainability designers, music-industry professionals and graduates of the Bachelor of Architecture and Environments who wish to broaden and deepen their expertise. Units are taught in the evening to cater for working students.

Many students use this program to build high technical capabilities on their broader creative or professional background, particularly in building acoustics and audio systems.

The University of Sydney

1:6 scale model reverberant room for measuring scattering coefficient of architectural forms
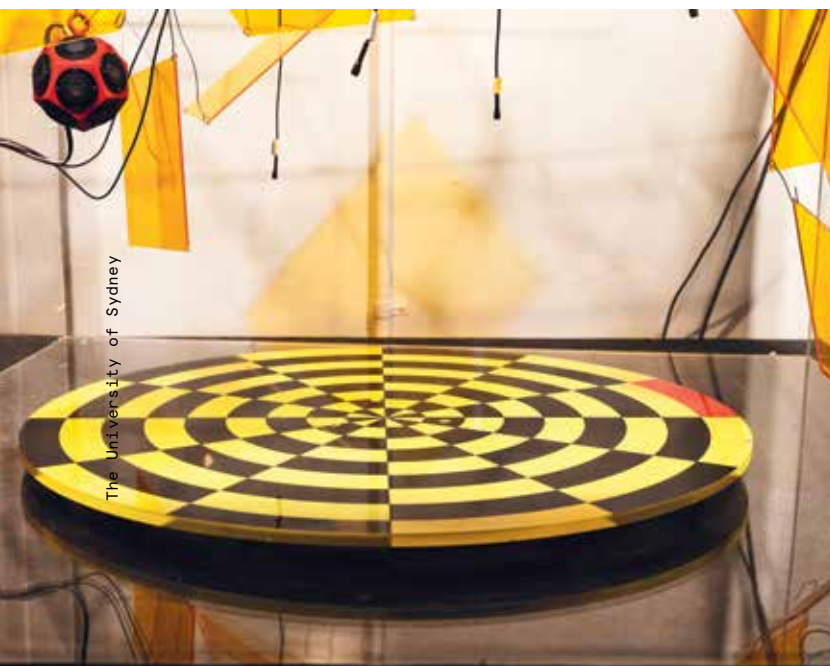
196-loudspeaker hemispherical array used to measure detailed reflections from surfaces
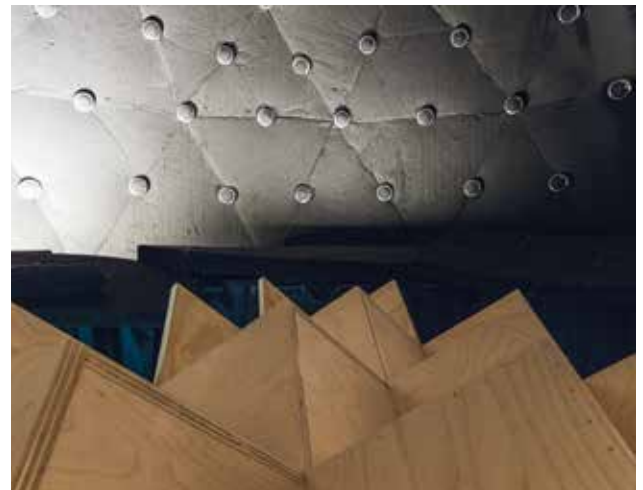
"My internship at JHA Engineers was a rewarding and invaluable experience. It not only led me to full-time employment as an acoustics consultant, but taught me so much about the industry and acoustics in practice by supplementing and consolidating my understanding of the concepts I learned in class.

"I am looking forward to starting my research project in open plan office acoustics this year. My hope is to use the knowledge and findings from my research project in the work I do every day."

Isabella Marie Adlington
Master of Architectural Science
(Audio and Acoustics)
Acoustics Consultant, JHA Engineers

What will you achieve?

You will graduate with a specialist education in audio and acoustics that could lead to career opportunities in audio production, system design and environmental acoustic consulting.

Part-time study is available for Australian citizens and permanent residents. You may also take individual units as continuing professional development short courses without enrolling in a degree.

Course details

Course name	Credit points	Duration (full time)
Master of Architectural Science (Audio and Acoustics)	72	1.5 years
Master of Architectural Science (Audio and Acoustics) with second stream	96	2 years
Graduate Diploma in Architectural Science (Audio and Acoustics)	48	1 year
Graduate Certificate in Architectural Science (Audio and Acoustics)	24	0.5 year

Indicative course progression

The following is an indicative progression for Audio and Acoustics, assuming a focus on practice.*

Unit code	Unit of study	Sem	CP
Year 1			
DESC9200	Introduction to Architectural Science	1	6
DESC9011	Audio Production	1	6
DESC9115	Digital Audio Systems	1	6
DESC9138	Architectural and Audio Acoustics	1	6
DESC9201	Indoor Environmental Quality	2	6
DESC9117	Sound Design for New Media	2	6
DESC9090	Audio Systems and Measurement	2	6
DESC9133	Architectural Acoustics Practice	2	6
Year 2			
DESC9134	Audio and Acoustics Seminar	1	6
DESC9137	Spatial Audio	1	6
	Elective	1	6
	Elective	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

* Full-time students with a research focus should undertake DESC9300 (Research in Architectural and Design Science) in Semester 2 and ARCH9031 (Research Report) in Year 2.

For a full course description, visit:
sydney.edu.au/courses/master-architectural-science-audio-acoustics

High-Performance Buildings
Master of Architectural Science

With more than 40 percent of energy costs tied up in buildings, the need for sustainable, operationally efficient solutions that don't compromise performance or occupant comfort is vital.

By bringing together the myriad streams of environmental performance, building economics and indoor environmental quality, this program produces built environment professionals with a strategic grasp of the challenges of building design, service provision and operations.

Facilities and equipment

You will have access to the latest equipment and facilities, such as our indoor environmental quality laboratory, where you can research the interaction of key factors such as temperature, humidity, air movement, ventilation rates, air quality, daylight, electric lighting, sound and acoustics.

Who should choose this course?

This course is open to graduates from a range of disciplines including the Bachelor of Architecture and Environments as well as science, engineering, architecture, building and planning.

Property Council of Australia

Students who have completed the Operations and Facilities Management (Advanced) program with the Property Council of Australia are eligible for six credit points toward the diploma or master's degree in High-Performance Buildings.

What will you achieve?

This unique specialisation allows you to pursue a career in a wide range of areas, including building management, design and development of building services that require an architectural engineering solution, architectural practice, business, sustainable design, commercial development and more.

The University of Sydney

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Intensive units

All core units are taught in block-mode intensives over several full days.
Part-time study is available for Australian citizens and permanent residents.

Course details

Course name	Credit points	Duration (full time)
Master of Architectural Science (High-Performance Buildings)	72	1.5 years
Master of Architectural Science (High-Performance Buildings) with second stream	96	2 years
Graduate Diploma in Architectural Science (High-Performance Buildings)	48	1 year
Graduate Certificate in Architectural Science (High-Performance Buildings)	24	0.5 year

For a full course description, visit:
sydney.edu.au/courses/master-architectural-science-high-performance

Indicative course progression

The following is an indicative progression for High-Performance Buildings, assuming a focus on practice.*

Unit code	Unit of study	Sem	CP
Year 1			
DESC9200	Introduction to Architectural Science	1	6
DESC9014	Building Construction Technology	1	6
DESC9147	Sustainable Building Design Principles	1	6
DESC9015	Building Energy Analysis	1	6
DESC9195	Building Economics	2	6
DESC9201	Indoor Environmental Quality	2	6
DESC9067	Mechanical Services	2	6
	Elective	2	6
Year 2			
DESC9134	Building Information Management	1	6
DESC9675	High Performance Facades	1	6
DESC9673	Intelligent Building Control Systems	1	6
	Elective	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

* Full-time students with a research focus should undertake DESC9300 (Research in Architectural and Design Science) in Semester 2 and ARCH9031 (Research Report) in Year 2.

For a full course description, visit:
sydney.edu.au/courses/master-architectural-science-high-performance

"The Master of Architectural Science (High-Performance Buildings) has enabled me to become an acoustic consultant in one of the leading acoustic consulting firms in Australia.

"I've been fortunate to work on some of the largest building and infrastructure projects underway in NSW. These projects include Sydney Metro Northwest, Sydney Metro City and Southwest, WestConnex, Northern Beaches Hospital, Australian Technology Park and many more. Through these projects I've worked alongside many multidisciplinary construction and design firms to provide best-practice solutions."

Terrence Wong
Master of Architectural Science (High-Performance Buildings)
Graduate Engineer, Renzo Tonin & Associates

Illumination Design
Master of Architectural Science

Our entire visual experience depends on light. It has an important impact on the function and aesthetics of the environment and architectural spaces. There is growing demand for lighting specialists to oversee the implementation of sustainable and innovative solutions for large-scale architecture and property projects.

This program offers strong technical education in human visual perception, methods for quantifying light, lighting technologies, and sustainability. Using biology and physics, the coursework gives you a deep appreciation of the ways that light shapes the human experience of the built environment. This is complemented by a practical curriculum to prepare you for a career in the lighting industry.

Who should choose this course?

This professional program is open to students from diverse backgrounds including architecture, engineering, computer science, interior design and psychology. It is ideal for graduates of the Bachelor of Architecture and Environments.

What will you achieve?

Career pathways for graduates include employment in lighting design practices, engineering firms, lighting equipment manufacturers, architectural and design offices, lighting distributors and independent consultancies.

Subject to required practical experience, once you successfully complete this master's coursework program, you will be qualified for full membership of the Illuminating Engineering Society of Australia and New Zealand.

Intensive units

All Illumination Design core units are taught in block mode intensives over several full days rather than weekly lectures.

Part-time study is available for Australian citizens and permanent residents.

You may take individual subjects as continuing professional development short courses without enrolling in a degree.

The University of Sydney

"This degree has equipped me with knowledge and practical experience to be a qualified lighting designer, giving me an insight of the scientific aspects behind design. More importantly, it also enhances my self-education ability so that I can adapt to the fast-changing lighting technologies in my future career."

Shixiong Zhou
Master of Architectural Science (Illumination Design)
Lighting and Electrical intern, Lighting, Art & Science

Course details

Course name	Credit points	Duration (full time)
Master of Architectural Science (Illumination Design)	72	1.5 years
Master of Architectural Science (Illumination Design) with second stream	96	2 years
Graduate Diploma in Architectural Science (Illumination Design)	48	1 year
Graduate Certificate in Architectural Science (Illumination Design)	24	0.5 year

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
DESC9200	Introduction to Architectural Science	1	6
DESC9167	Light and Vision	1	6
DESC9166	Photometry and Colorimetry	1	6
	Elective	1	6
DESC9201	Indoor Environmental Quality	2	6
DESC9164	Lighting Technologies	2	6
DESC9154	Lighting Design Software	2	6
DESC9198	Subjective Analysis in Lighting Design	2	6
Year 2			
DESC9152	Practice of Lighting Design	1	6
	Elective	1	6
	Elective	1	6
	Elective	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

For a full course description, visit:
sydney.edu.au/courses/master-architectural-science-illumination-design

Sustainable Design
Master of Architectural Science

Develop your professional capabilities in sustainability. Sustainable design involves creating buildings that meet the world's need to reduce human impact on ecological systems.

The integrated approach of this program will give you the knowledge to address sustainability issues at the cutting edge of the building industry. The course integrates units from the architectural sciences and emphasises rigour, quality and evidence–based design.

Who should choose this course?

This program is tailored for design and related built–environment professionals who wish to improve their knowledge and skills in sustainable design, and for graduates of the Bachelor of Architecture and Environments and Bachelor of Design in Architecture.

"Coming off construction site-based roles, the Master of Sustainable Design revitalised my skillset and assisted with my smooth career transition.

"As sustainability is a fast-evolving sector, you can find yourself getting involved with different aspects of built environment design, as well as the emerging opportunities within business strategies and operations. Sustainable Design is a unique profession with access to a wide range of career pathways."

Greg Zheng
Master of Architectural Science (Sustainable Design)
Sustainability Consultant, Arcadis

Sustainable Atrium Design (render), Andrew Hogan and Daniel Nolan

What will you achieve?

Our program produces graduates who are leaders in sustainable design in many of the best-known professional firms and consultancies across Australia and internationally.

Part-time study is available for Australian citizens and permanent residents. You can take individual units as continuing professional development short courses without enrolling in a degree.

Intensive units
Most Sustainable Design core units are taught in block mode intensives over several full days rather than weekly lectures.

Course details

Course name	Credit points	Duration (full time)
Master of Architectural Science (Sustainable Design)	72	1.5 years
Master of Architectural Science (Sustainable Design) with second stream	96	2 years
Graduate Diploma in Architectural Science (Sustainable Design)	48	1 year
Graduate Certificate in Architectural Science (Sustainable Design)	24	0.5 year

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
DESC9200	Introduction to Architectural Science	1	6
DESC9014	Building Construction Technology	1	6
DESC9147	Sustainable Building Design Principles	1	6
	Elective	1	6
DESC9169	Daylight in Buildings	2	6
DESC9201	Indoor Environmental Quality	2	6
ARCH9080	Urban Ecology, Design and Planning	2	6
	Elective	2	6
Year 2			
DESC9148	Sustainable Building Design Practice	1	6
DESC9015	Building Energy Analysis	1	6
	Elective	1	6
	Elective	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

For a full course description, visit:
sydney.edu.au/courses/master-architectural-science-sustainable-design

Master of Interaction Design and Electronic Arts

The Interaction Design and Electronic Arts program enables you to design for the future using the emergent technologies of today.

This program infuses technological innovation with human-centred design thinking. The result is an understanding of ways to design interactive products and systems that will have lasting cultural and commercial importance.

Learn to design across multiple platforms and scales – from wearable computing and mobile applications to interactive architecture, responsive environments and urban informatics. Your ideas may become the basis of prototype products, patents or startup services.

Through a series of collaborative design studios and technical workshops, you will acquire the essential knowledge and skills for envisioning, creating and evaluating innovative solutions to a range of design challenges.

You can adapt this program to suit your interests by taking electives from other faculties. You will also build a compelling portfolio showcasing not only your design skills, but also your understanding of how best to convey the user experience of new products and services.

The course culminates in a capstone research project, industry internship or graduation design project.

Who should choose this course?

This degree is aimed at talented people who are seeking a career in user experience, interaction design, or who wish to use technology creatively for design and commercial purposes. It is ideal for graduates of the Bachelor of Architecture and Environments.

Telecubies, by Xitong Huang, Baoling Han and You Wu; a digital placemaking interaction design project created as part of IDEA9102 Studio 2017

"The MIDEA course imparted a wide range of technical skills and design principles that developed me into a holistic designer. From conceptualisation to prototyping, my proficiency in the various software and hardware required to design and program digital solutions was increased tremendously through constant practice in the studio-based learning environment.

"Surrounded by an amazing batch of highly driven students and academics, I was also challenged to always push my limits and found great joy in developing my own design style. Needless to say, from both theoretical and practical perspectives, I am now more prepared and confident to take on future career progression."

Hong An Louis Chew
Master of Interaction Design and Electronic Arts
PhD Candidate, Design Lab

What will you achieve?

Students become proficient in the design of interactive experiences and the creative use of new technologies that they can then apply to a wide range of professional, design and industry settings.

Diversify your course

You can add a specialisation in Audio and Acoustics or Illumination Design. This will differentiate your skill set and enable you to work in the emerging area of interactive sound and lighting in entertainment, buildings and public spaces.

Course details

Course name	Credit points	Duration (full time)
Master of Interaction Design and Electronic Arts	72	1.5 years
Master of Interaction Design and Electronic Arts (specialisation)	96	2 years
Graduate Diploma in Interaction Design and Electronic Arts	48	1 year
Graduate Certificate in Interaction Design and Electronic Arts	24	0.5 years

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
IDEA9103	Design Programming	1	6
IDEA9105	Interface Design	1	6
IDEA9106	Design Thinking	1	6
ARIN6905	New Media Audiences**	1	6
IDEA9201	IDEA Laboratory*	2	6
IDEA9202	IDEA Studio*	2	12
DESC9117	Sound Design for New Media**	2	6
Year 2			
IDEA9301	Graduation Studio	1	12
IDEA9311	IDEA Research Internship	1	12

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

* These units are corequisites
** These units are electives; you can choose other options.

Note: In Year 2, Semester 1, you may pursue a capstone research project as a pathway to PhD research instead of the Graduation Studio unit.

You can further tailor your degree by replacing either of the 12 credit point capstone units (Graduation Studio or IDEA Research Internship) with two 6 credit point electives.

For a full course description, visit:
sydney.edu.au/courses/master-interaction-design

Master of Heritage Conservation

Paddington Reservoir, Tonkin Zulaikha Greer Architects

In this program, you will develop your skills in best practice conservation, adaptive reuse of buildings and management of culturally significant places.

This course will equip you with a deep understanding of cultural continuity and place identity while challenging you to imagine how to regenerate and renew buildings, urban areas and cultural landscapes through architectural intervention and urban strategy.

You will develop the ability to assess heritage significance and how this assessment translates into policies that facilitate or constrain development. You will also gain techniques for documentation, management and interpretation of culturally important places and about the regulatory and policy framework for local and international heritage conservation.

Gain industry relevant experience via a graduate internship and benefit from mentoring by heritage professionals through the International Council of Monuments and Sites.

Who should choose this course?

If you come from an architectural, urban planning, archaeological, historical, engineering or related background, or are a graduate of the Bachelor of Architecture and Environments, this course will develop your specialist conservation and adaptive reuse skills. We also welcome applicants from other disciplines.

What will you achieve?

Career pathways include conservation specialist, architecture, planning, archaeology, history or heritage consultancy.

Modes of study

Part-time study is available for Australian citizens and permanent residents. You may also take individual units as continuing professional development short courses without enrolling in a degree.

Course details

Course name	Credit points	Duration (full time)
Master of Heritage Conservation	72	1.5 years
Graduate Diploma in Heritage Conservation	48	1 year
Graduate Certificate in Heritage Conservation	24	0.5 year

For students seeking a two-year, 96 credit point program, refer to the Master of Urbanism on page 44.

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
ARCH9074	Principles of Heritage Conservation	1	6
ARCH9083	Conservation of Modern Buildings	1	6
MARC4201	Modern Architectural History	1	6
	Elective	1	6
ARCH9028	Conservation Methods and Practices	2	12
ARCH9081	Heritage Law and Policy	2	6
ARCH9084	Conservation Design Studio	2	6
Year 2			
ARCH9075	New Design in Old Settings	1	6
ARCH9031	Research Report	1	12
	Elective	1	6

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Credit points required per semester: 24
Indicative progression based on a 72 credit point master's
degree with a Semester 1 enrolment.

For a full course description, visit:
sydney.edu.au/courses/master-heritage-conservation
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"The degree in heritage conservation gave me a substantial step up in my career. The subject content and qualification led to job opportunities in the United States and here in Australia that I wouldn't have had with out it.

"I am currently working at the Sydney Opera House as the Planning and Heritage Policy Officer. This is a new position that was created to provide support and heritage advice across the business areas to conserve and promote the cultural significance for this world heritage site. The role responsibilities include the implementation of the fourth edition of the conservation management plan, project management, relationship building, interpretation projects, and planning and heritage compliance."

Laura Matarese
Master of Heritage Conservation
Planning and Heritage Policy Officer, Sydney Opera House

Master of Urban Design

Urban designers operate at the nexus of architecture and the urban and regional planning profession.

The Master of Urban Design will help you to develop expertise in different types of urban projects, and inform your professional practice with a thorough understanding of the policy environment that drives design and development.

This program offers an appreciation of the historical and theoretical dimensions of urbanism and design, and expands your understanding and design skills at both sub-urban and metropolitan levels.

You will develop the ability to analyse contexts, define principles and provide guidance for designers and architects of buildings, landscape, and the public domain. You will be trained to refine and focus your skills in spatial thinking and visual communication.

Who should choose this course?

Professionals and graduates in architecture, landscape architecture, urban planning or closely related areas will develop and extend their professional expertise; but we also welcome applicants from other disciplines. This course is ideal for graduates of the Bachelor of Architecture and Environments.

What will you achieve?

This program produces skilled graduates who work in design, management, policy development, and teaching roles in Australia and overseas.

Admission requirements

Applicants for the graduate certificate need to hold a bachelor's degree with a credit average and/or relevant work experience.

Admission to the graduate diploma or master's degree requires a bachelor's degree in architecture, urban planning or related field, with a weighted average mark (WAM) of at least 65. You could also go straight from the graduate certificate to the diploma or master's degree with a WAM of least 65.

We recently updated our admission criteria to enable graduates from a range of design backgrounds to apply for this course. For more information, please see:

– sydney.edu.au/courses/master-urban-design

Course details

Course name	Credit points	Duration (full time)
Master of Urban Design	72	1.5 years

For students seeking a two-year, 96 credit point program, please refer to the Master of Urbanism on page 44.

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
ARCH 9100	Introduction to Urban Design	1	6
PLAN9068	History and Theory of Planning and Design	1	6
ARCH9074	Principles of Heritage Conservation*	1	6
PLAN9063	Strategic Planning and Design*	1	6
ARCH9001	Urban Design Studio: Urban Precinct	1	12
ARCH9063	Urban Form and Design	2	6
ITLS5100	Transport and Infrastructure Foundations*	2	6
Year 2			
ARCH9002	Urban Design Studio: Urban Project	1	12
ARCH9092	Urban Report	1	6
PLAN9075	Urban Data and Science of Cities*	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

* These units are electives, you can choose other options

For a full course description, visit:
sydney.edu.au/courses/master-urban-design

Studio project by Zheng Ranran, Wu Yue and Li Yishan

"I am currently working as an urban designer in the City Transformation Team at the City of Parramatta Council. I am working in an excellent team on the design of light rail in Parramatta, facilitating the delivery of public domain improvements along the river foreshore in the city centre of Parramatta and will be assisting with the implementation of the 'Civic Link' Framework Plan – a 20m wide north-south pedestrian-only connection between the future Parramatta Square and the Parramatta River."

Monica Desanti
Master of Urban Design, 2015
Urban Designer, City of Parramatta

Master of Urban and Regional Planning

Urban and regional planners prepare plans and policies at a range of levels including national, state and local governments, as well as precinct and site. They are also involved in the private sector, working for property developers and real estate entrepreneurs.

Urban and Regional Planners develop specialised knowledge in environmental design and strategic planning for well-structured cities, including the sustainable management of towns and cities. This program focuses on developing an understanding of the ways that cities and sites are constructed physically, socially and environmentally.

You will develop the professional communication skills, reasoning and analytical processes required to make valuable contributions to the policy, technical and regulatory aspects of urban and regional planning. The teaching curriculum covers both Australian and international contexts.

A specialisation is also available by selecting from the range of options offered in the Heritage Conservation stream. The program is a member of the United Nations Habitat University Network Initiative.

Who should choose this course?

This course is for graduates with a bachelor's degree in human geography, design or related field, seeking a professional education in urban and regional planning. It is also ideal for graduates of the Bachelor of Architecture and Environments or for those working in the field who wish to expand their knowledge and skills.

What will you achieve?

The program is accredited by the Planning Institute of Australia and graduates are eligible, subject to professional experience requirements, for corporate membership of the institute.

Modes of study

Full-time or part-time study is available for Australian citizens and permanent residents. You can also take individual units as continuing professional development short courses without enrolling in a degree. Urban and Regional Planning may also be taken as a major stream within the two-year Master of Urbanism (see page 44).

Course details

Course name	Credit points	Duration (full time)
Master of Urban and Regional Planning	72	1.5 years
Master of Urban and Regional Planning (Heritage Conservation)	72	1.5 years
Graduate Diploma in Urban and Regional Planning	48	1 year
Graduate Certificate in Urban and Regional Planning	24	0.5 year

"I am an Economic and Urban Planner at RPS Group, where I work primarily in strategic and economic planning. The master's program allowed me to learn new skills in urban planning that complemented my undergraduate studies in economics and finance, as well as my past work experience in commercial and economic advisory. My current role allows me to tap into both skillsets."

Philip Deakin
Master of Urban and Regional Planning, 2017
Economic and Urban Planner, RPS Group

For students seeking a two-year, 96 credit point program, please refer to the Master of Urbanism on page 44.

Elective units in the Urban and Regional Planning Program include:

– Critical Challenges of Governing Cities
– Dialogue, Deliberation and Engagement
– GIS-based Planning Policy and Analysis
– Housing and Urban and Regional Development
– International Urban Development Planning
– Transport and Infrastructure Foundations
– Urban Ecology, Design and Planning
– Urban Morphology.

Other elective units can be taken from the Heritage Conservation stream or, in special cases, elsewhere in the University if deemed relevant to the Master of Urban and Regional Planning.

You can take a 24-credit point research unit (Planning Dissertation 1 and 2) over two semesters instead of the Planning Report if you are interested in possible higher degree research, and have a distinction average.

Indicative course progression

Unit code	Unit of study	Sem	CP
Year 1			
PLAN9063	Strategic Planning and Design	1	6
PLAN9068	History and Theory of Planning and Design	1	6
ARCH9100 / PLAN9061	Introduction to Urban Design or Planning Principles, Systems and Practice	1	6
PLAN9071	Housing and Urban and Regional Development*	1	6
PLAN9045	Economics for the Built Environment	2	6
PLAN9064	Land Use and Infrastructure Planning	2	6
ARCH9100 / PLAN9061	Introduction to Urban Design or Planning Principles, Systems and Practice	2	6
ARCH9080	Urban Ecology, Design and Planning*	2	6
Year 2			
PLAN9018	Planning Report	1	12
PLAN9075	Urban Data and Science of Cities*	1	6
	Elective	1	6

Credit points required per semester: 24
Indicative progression based on a 72 credit point master's degree with a Semester 1 enrolment.

* These units are electives; you can choose other options

For a full course description, visit:
sydney.edu.au/courses/master-urban-regional-planning

Master of Urbanism

This degree is a two-year, 96-credit-point version of the specialist 18-month master's programs in Urban Design, Heritage Conservation and Urban and Regional Planning.

This extended timeframe enables you to experience an interdisciplinary approach while still specialising in a specific area of professional interest.

Developed in consultation with a range of industry stakeholders and taught by academics with extensive practical experience, this degree culminates in an integrated studio unit where you will have the opportunity to apply your knowledge and demonstrate the skills required for successful teamwork in a complex, real-world project.

The program also offers elective opportunities to participate in either an international field studio or an internship.

Who should choose this course?

This program is open to a broad range of applicants interested in developing professional careers in urbanism, with a choice of specialisations in urban planning, urban design or heritage conservation.

What will you achieve?

As a graduate of this course you will be a highly sought-after professional able to work across development, policymaking and design of the built environment.

Admission requirements

Admission to the Master of Urbanism usually requires a bachelor's degree in architecture, design, environmental design, human geography or a related field from the University of Sydney, or an equivalent qualification.

In exceptional cases, applicants may be granted admittance on the basis of relevant professional experience and achievement, subject to approval by the Dean.

Course details

Course name	Credit points	Duration (full time)
Master of Urbanism	96	2 years

Pauline Winjono, *A City as a Home*, site plan, drawing

Course progression

The following is an indicative progression for Master of Urbanism (Urban and Regional Planning Specialisation).

Unit code	Unit of study	Sem	CP
Year 1			
ARCH9075	New Design in Old Settings	1	6
ARCH9100	Introduction to Urban Design	1	6
PLAN9068	History and Theory of Planning and Design	1	6
PLAN9063	Strategic Planning and Design	1	6
ARCH9063	Urban Form and Design	2	6
ARCH9080	Urban Ecology, Design and Planning	2	6
PLAN9045	Economics for the Built Environment	2	6
PLAN9064	Land Use and Infrastructure Planning	2	6
Year 2			
ARCH9092	Urban Report	1	6
PLAN9061	Planning Principles, Systems and Practice	1	6
ARCH9074	Principles of Heritage Conservation	1	6
	Specialisation Unit	1	6
ARCH9093	Integrated Urbanism Studio	2	12
	Elective	2	6
	Elective	2	6

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Credit points required per semester: 24
Total credit points required to complete degree: 96
Indicative progression based on Semester 1 enrolment.

Note: specialisations also available in Urban Design
and Heritage Conservation.

For a full course description, visit:
sydney.edu.au/courses/master-urbanism
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"I decided to specialise in urban design when I developed an interest in the spaces between buildings and a passion for a community-centric approach to design during my architecture degree. The Master of Urbanism at the University of Sydney offers a holistic approach to understanding the urban context. It combines urban design, urban planning and heritage conservation in one program."

Chakshu Bansal
Master of Urbanism, 2018

Research

At the University of Sydney,
we are tripling our investment in
research by 2020 to change the
way we think about the world
and how we live and work in it.

We are one of the world's top research universities
and a member of Australia's prestigious Group of
Eight network and the Association of Pacific Rim
Universities. The latter partners us with others
that excel in research, including Stanford, UCLA,
Shanghai Jiao Tong University and the University
of Hong Kong.

Our research is shaped by the big picture.
We look at real-world problems from all angles,
combining the expertise and talents of scholars
from many disciplines.

This collaborative spirit drives our multidisciplinary
research centres, including several dedicated
to deepening our understanding of China
and Southeast Asia, and increasing Australia's
engagement in these regions. We're home to
more than 90 research and teaching centres
and we have a proud track record of excellence.
The Australian Government ranked all of our
research at world standard or above in its latest
Excellence in Research for Australia ratings.

Find out more about our current research:

– sydney.edu.au/research

Professor Duanfang Lu explains her latest
research on urbanism in China

We are investing in major new facilities to
support collaboration and partnerships with
researchers from diverse disciplines who are
tackling society's most challenging problems.

The Sydney School of Architecture, Design
and Planning places great emphasis on its
research activity. We are home to a diverse and
vibrant community of scholars, researchers
and practitioners, many of whom have taken
national and international leadership roles
in their fields.

In 2016, we hosted the RoblArch 2016:
Robotic Fabrication in Architecture,
Art & Design Conference. This brought
together world-renowned researchers from
Harvard, RWTH Aachen, MIT, ETH Zurich and
IAAC Barcelona, who are at the forefront of new
robotic technologies and applications ranging
from the construction industry to interaction
design and creative practice.

To learn more about our research, please visit:

– sydney.edu.au/architecture/research

Our research degrees

Embarking on a research degree at the University of Sydney is an opportunity to work alongside some of the world's brightest and most accomplished academics. We offer exceptional facilities – the latest innovative technology across the physical, medical, life and engineering sciences, the humanities and social sciences.

Learn more about the University's research degrees:

– sydney.edu.au/study/pg-research

At the University of Sydney School of Architecture, Design and Planning, you can undertake a research degree – the Master of Philosophy (MPhil) or Doctor of Philosophy (PhD) – in any of our five active research areas:

– architectural design
– architecture history and theory
– architectural science
– design lab
– urbanism.

You may seek candidature in these areas, or pursue interdisciplinary studies across a range of fields within the school, or the University's other faculties.

Master of Philosophy (Architecture)

This master's program allows candidates to undertake research and advanced specialisation in any area of scholarship or design covered by the school.

Admission criteria include a bachelor's degree – generally a four-year degree or a three-year degree with honours in a relevant discipline.

The program is generally completed in four semesters of full-time study (two years) or eight semesters of part-time study (four years).

Doctor of Philosophy (PhD)

This degree is awarded for a thesis that is a substantial and original contribution to the discipline. Admission criteria include a master's degree with a research component or a bachelor's degree with first or second-class honours.

Alternatively, you may be admitted on the basis of outstanding innovative practice.

Candidates usually complete the PhD within three years' full-time or six years' part-time study (part time is available to domestic students only). You will need to produce a final thesis in the range of 50,000 to 80,000 words.

Design PhD

The Design PhD is a studio-based program for architects and designers who are driven by a commitment to expand the frontiers of their practice and position themselves at the forefront of their field. Admission criteria include a research master's degree or a bachelor's degree with first- or second-class honours.

Alternatively, you may be admitted on the basis of outstanding, innovative practice, or completion of a period of relevant advanced study and research towards a master's degree at the University of Sydney. The program involves a substantial design work for exhibition and a thesis.

We support your work through training in research methods, one-on-one supervision and a collegial studio environment with other candidates and faculty members.

For more information, please visit:

– sydney.edu.au/architecture/research-degrees

Dr Crighton Nichols, PhD Design Lab 2014, leads the innovation team within PricewaterhouseCoopers, one of Australia's core technology groups

How to apply

Undergraduate degree

Domestic applicant

– Portfolios may be submitted for consideration.

– Make sure you meet the admission criteria (ATAR or equivalent qualification, and assumed knowledge) for your preferred course.

– Apply through the Universities Admissions Centre (UAC) at www.uac.edu.au

International applicant

– Find your course at sydney.edu.au/courses

– Make sure you meet the admission criteria, including academic and English language requirements.

– Click the 'apply now' button.

Postgraduate coursework

If you are a domestic or international applicant, apply online by following these steps:

– Find your course at sydney.edu.au/courses

– Make sure you meet the admission criteria, including academic and, for international students, English language requirements.

– Click the 'apply now' button. You can also apply for credit for prior studies, which can significantly reduce the length of your degree.

Eligibility for postgraduate study

Applicants for a master's degree or graduate diploma need to have a bachelor's degree.

Master's degree applicants for architecture, heritage conservation, interaction design and electronic arts, and urban and regional planning need to have a bachelor's degree with a credit average.

Graduate certificate applicants need to have a bachelor's degree, or can enter the program with permission by demonstrating at least five years' professional experience deemed to reflect sufficient knowledge to satisfy admission requirements.

Research degree

Step 1. Find a supervisor

You can find a list of all academic staff, their areas of research and research publications and grants at:

– sydney.edu.au/architecture/academic-staff

Research Supervisor Connect matches your interests to available opportunities and supervisors.

– sydney.edu.au/research/opportunities

Your prospective supervisor should have agreed to supervise you before you apply.

Step 2. Develop a statement of research interest

You need to develop a statement of research interest in conjunction with a member of the school's academic staff whom you would like to be your research supervisor.

The goal of this statement is to determine whether your research interests align with the school's research interests and help us ascertain your research background and experience.

The statement of research interest should be 1500 to 2000 words and needs to include:

– your proposed topic area

– some indication of what research has already been done in that area

– specific research questions you propose to pursue

– a brief idea of how you propose to research these questions.

If admitted, you will work with your supervisor, an associate supervisor and other members of staff to develop a full research proposal during your first year of candidature.

For more information please visit:

– sydney.edu.au/architecture/research-degrees

Still have questions?

Please submit a question online:

– sydney.edu.au/ask

Important dates

Postgraduate Study and Research Information Evening
16 May 2018

Open Day
25 August 2018

Postgraduate Study and Research Week
10–14 September 2018

Semester 1, 2019 applications close
31 January 2019

To find out about other important University dates, please visit

– **sydney.edu.au/dates**

* Some exceptions apply. Please search
  for your course online to check exact
  closing dates: sydney.edu.au/courses

Architecture, Design and Planning

This guide provides the key information you need to apply for undergraduate or postgraduate studies in architecture, design and planning, but the next step is up to you.

To learn more, come and see us on Open Day, attend one of our information sessions, call our helpline or visit our website.

sydney.edu.au/study
sydney.edu.au/postgraduate
sydney.edu.au/architecture

Contact us
sydney.edu.au/ask
1800 SYD UNI (1800 793 864)
+61 2 8627 1444 (outside Australia)

sydney.edu.au/architecture

The University of Sydney

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