THE UNIVERSITY OF SYDNEY

The University of Sydney

Contact us

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

sydney.edu.au/architecture

Undergraduate and postgraduate guide 2018

Architecture, Design and Planning

1st in Australia and ranked in the top 15 in the world for Architecture/Built Environment.*

*QS World Rankings by Subject, 2017

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THE UNIVERSITY OF SYDNEY

Welcome

To the University of Sydney School of Architecture, Design and Planning

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.

Shasha Hu, Bachelor of Architecture and Environments

History of innovation

For nearly 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.

*QS World University Rankings by Subject 2017

Franciso Esteban Acosta Arroyo,
Bachelor of Design Computing

Dong Ho Lee, *Town Hall Public Library*

Vibrant campus life

The School of Architecture, Design and Planning is large enough to attract world-leading 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

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.

Inspired by the work of renowned architect, activist and University of Sydney academic – the late Col James with his work in the Indigenous community of Redfern in the 1960s and '70s, the school recently sent 16 Master of Architecture students to the Aboriginal community of Yarrabah, North Queensland to work on designs for affordable housing.

Rewarding the best

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

– sydney.edu.au/architecture/learning_and_teaching/scholarships.shtml

Continuing Professional Development (CPD)

To help you keep your professional skills up to date, most units qualify you with continuing professional development (CPD) points for various professional industry bodies. By successfully completing the subject's assignments, you can also apply for credit towards a degree offered by the school.

– sydney.edu.au/architecture/cpd

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.

THE SYDNEY UNDERGRADUATE EXPERIENCE

The world is changing, and university education needs to change too.

We've reimagined the Sydney Undergraduate Experience – the way we teach and the way you'll learn – to prepare you for a future full of possibilities.

YOUR DEGREE

We offer unparalleled choice

At Sydney you'll have access to a breadth and depth of excellence in disciplines and professional fields that is unparalleled in Australia.

Broaden your skills

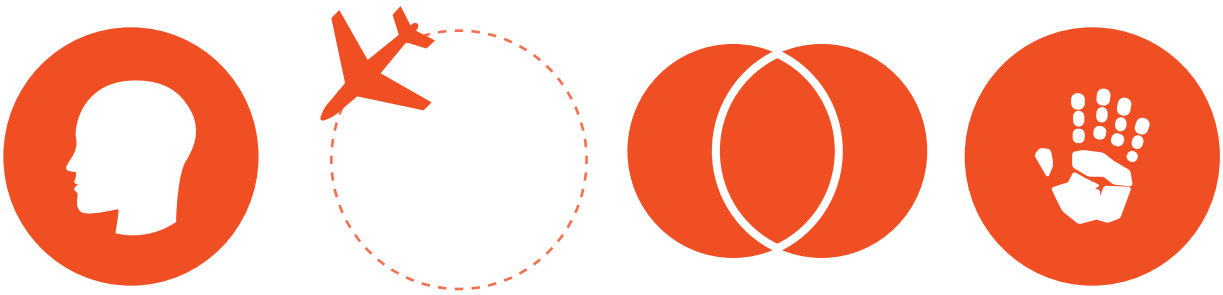
You can widen your skills in entrepreneurial thinking, persuasive communication, project management and ethical reasoning by taking short, on-demand and workshop-supported courses in our Open Learning Environment.

Follow your interests. All of them.

We have created a new level of flexibility with a shared pool of majors and minors so you can expand your education with a second field of study.

For example, you can complement your study in Design Computing by adding a major like visual arts, digital cultures, marketing, software development, or computer science.

YOUR EXPERIENCE



Academic rigour

Gain a deep understanding of your chosen disciplines of study and learn from those who are leaders in their fields.

Global perspectives

Set yourself up to go anywhere in the world by gaining the skills and understanding to work effectively across cultural boundaries. Go on exchange, study a language, or undertake projects in distinctive cultural settings here and overseas.

Cross-disciplinary learning

Study across or work with other disciplines to build your skills and tackle some of the most complex challenges of our time.

Real-world projects

Bridge the gap between theory and application by working on real-world industry, community, research and entrepreneurship projects.

YOUR FUTURE

You will leave university with the confidence and ability to think critically, collaborate productively, and influence the world.

sydney.edu.au/ug-experience

ARCHITECTURE AT SYDNEY

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

Sophie Lanigan, Bachelor of Design in Architecture

At the Sydney 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** positions the study of architecture as part of the wider built environment where property, construction and urban planning all play a significant role. This approach provides a wide range of career options or further study in a specialised field.
- **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 ground-breaking practice in design innovation.

Matthew Asimakis and Liat Busqila,
Bachelor of Design in Architecture (Honours) 2016

Gracie Guan, *The Arch-Museum*

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 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, building designer**	**Bachelor of Design in Architecture** (3 years full time)	**Master's degree** – Architecture
architecture, architectural theory or research	**leading architect, 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 passionate 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 stand-alone degrees and at the same time undertake a select suite of research-rich subjects that lead to the attainment of undergraduate honours, which otherwise requires an additional full year of study.

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 entry into the Master of Architecture course. Domestic students are assured a Commonwealth-supported place.

Course details

ATAR 2017: 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*

Angus Gregg and Clare Chuang are among the first group of students to embark on Australia's new and only double degree in architecture.

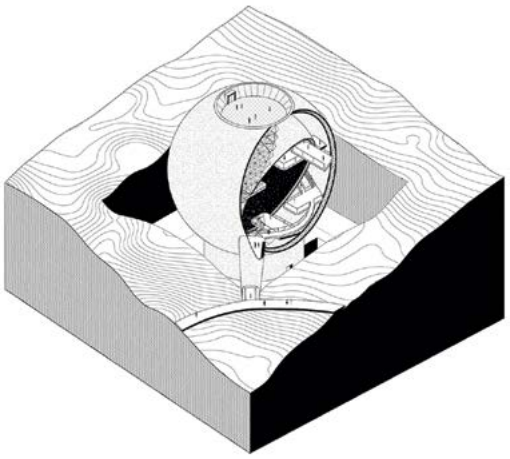
Indicative course progression

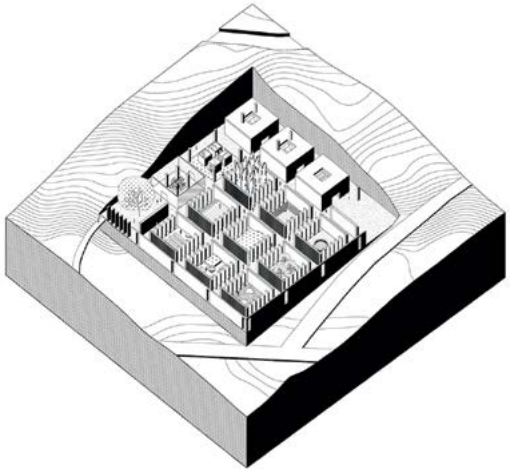
Unit code	Unit of study	Sem	CP
Year 1			
BDES1026	Architecture Studio 1A	1	12
BDES1011	Architectural History/Theory 1	1	6
ELEC1	Elective	1	6
BDES1027	Architecture Studio 1B	2	12
BDES1023	Architectural Technologies 1	2	6
	Honours Intensive Studio 1	2	6
Year 2			
BDES2026	Architecture Studio 2A	1	12
BDES2013	Architectural Technologies 2	1	6
ELEC2	Elective	1	6
BDES2027	Architecture Studio 2B	2	12
BDES2024	Art Processes	2	6
	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			
MARC4001	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

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

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

Dong Ho Lee,
Town Hall Public Library





Georgia Forbes-Smith,
Architecture of Measure

BACHELOR OF DESIGN IN ARCHITECTURE

Adam Vandepeer, *Adagio*

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
ATAR 2017: 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
ELEC2	Elective	2	6
Year 2			
BDES2013	Architectural Technologies 2	1	6
BDES2026	Architecture Studio 2A	1	12
ELEC3	Elective	1	6
BDES2024	Art Processes	2	6
BDES2027	Architecture Studio 2B	2	12
ELEC4	Elective	2	6
Year 3			
BDES3011	Architectural History/Theory 3	1	6
BDES3026	Architecture Studio 3A	1	12
ELEC5	Elective	1	6
BDES3025	Architectural Professional Practice (prerequisite unit for entry into Master of Architecture)	2	6
BDES3027	Architecture Studio 3B	2	12
ELEC6	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/design-architecture

Left: Architecture students from the University of Sydney and Bandung Institute of Technology with their redesign of the Asian street vendor shelter in Bandung, Indonesia

"The highlight of my studies has been the amazing student cohort. The school really does attract the best students, not only in Australia, but also the Asia-Pacific region.

"The studio-based learning environment enabled me to forge productive and lasting relationships with students and academics. It also meant I was constantly challenged to produce better and more refined work, and really grapple with many of the theoretical and practical issues one faces when engaging with the design process.

"I hope to combine my design practice with thorough theoretical engagement. I plan to complete a PhD at the University of Sydney, and then pursue a career researching and writing about issues of design ethics, housing equity, and more broadly about the intersection of architecture and philosophy.

"Architecture is such a far-reaching field and there are so many opportunities to engage meaningfully with complex issues that affect many people.

Jason Dibbs
Bachelor of Design in Architecture
PhD candidate

BACHELOR OF ARCHITECTURE AND ENVIRONMENTS

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

The Bachelor of Architecture and Environments provides a broad overview of the built environment through a range of studies, including design and architecture, urban design and planning, sustainability, heritage, building systems and construction and facilities management.

With this multidisciplinary program, you can access a wide range of professions in the field of architecture and the built environment. 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 architecture, design and environment industries.

Course details
ATAR 2017: 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 and 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
	Elective	1	6
BAEN2002	Design Integration Lab: Energy	2	6
BDES2013	Architectural Technologies 2	2	6
BADP2001	Algorithmic Architecture	2	6
	Elective	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 Integrative 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.

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

"With the Lendlease Bradfield Urbanisation Scholarship, I was awarded a summer internship with Lendlease – an amazing opportunity for a first-year architecture student.

"The internship has shown me how design works in the practical world by letting me experience multiple sectors within the business and how they operate and collaborate. I worked with a team known as DesignMake, which at the time was focusing on the prefabrication of CLT apartments, and with a development team finalising the design for a timber-wrapped building.

"Not only will an internship help you during your studies, it will prepare you for life after you graduate. You can make a lot of connections, and ask your co-workers any questions about your studies, which can be very useful. You can also see how the theoretical work you are studying can be applied in the practical world."

Kate Zambelli
Bachelor of Architecture and Environments (second year)

BACHELOR OF DESIGN COMPUTING

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

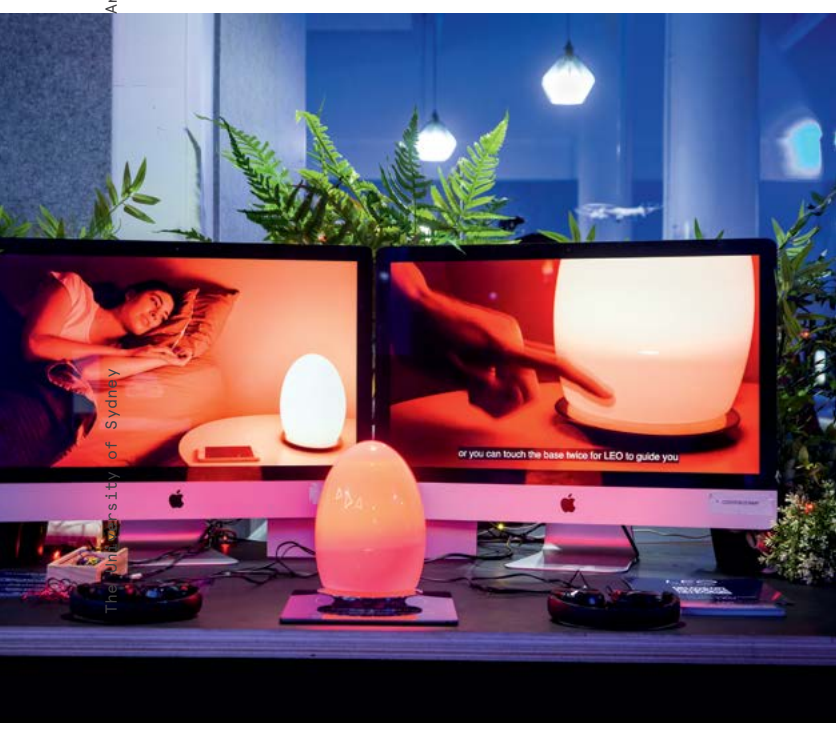
By taking the Bachelor of Design Computing, you will learn how to create human-centred products and services. You will gain a toolbox of skills in visual design, digital media production, coding, prototyping and UX design.

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 code, will make you highly sought after by a range of employers, from digital start-ups to major multinational corporations.

Course details

ATAR 2017: 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 requirements for international students:
IELTS 7.0, no band under 6.0*



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.

REALM, Rohann Dorabjee

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
SCLG2610	Science, Technology and Social Change*	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
IBUS3103	Entrepreneurship and Innovation*	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/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 (third year)

INTRODUCING 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.

This new combined degree focuses on disciplinary depth and cross-disciplinary problem-solving for real-world industry, community and research challenges.

It will give you access to advanced modules, entrepreneurship and leadership skills, broaden your opportunities and prepare you for future success.

You will have the opportunity to:

- design your own degree by combining studies from a range of disciplines
- build on your expertise with advanced coursework and project work
- complete a second major (see the shared pool of majors list on our website).

sydney.edu.au/bachelor-advanced-studies

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

For studies in Arts, Commerce, Design Computing, Economics, Science and Visual Arts

BACHELOR OF DESIGN COMPUTING/ BACHELOR OF ADVANCED STUDIES

This is the only undergraduate degree in Australia that 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.

When doing the combined Bachelor of Design Computing/Bachelor of Advanced Studies, you will complete a second major, combine studies from a range of disciplines, undertake advanced coursework, and get involved in cross-disciplinary community, professional, research or entrepreneurial project work.

Course details
ATAR 2018: Please check sydney.edu.au/courses later this year
Portfolio scheme available for domestic students
UAC course code: 513110
Duration: 4 years full time
Entry: Semester 1 and 2
CRICOS code:
Please check sydney.edu.au/courses
English language requirements for international students:
IELTS 7.0, no band under 6.0*

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

"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

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

INSIDE VIEW

"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
BY INVITATION

For students in the Bachelor of Design Computing/Bachelor of Advanced Studies with exceptional academic ability who want to be challenged.

Exclusive to high-achieving students with an ATAR (or equivalent) of 98+, the Dalyell Scholars program is an opportunity to challenge yourself alongside your most promising and talented peers.

The program enables you to draw on the rich interdisciplinary depth and breadth on offer at the University, cultivating the leadership and professional expertise to join the ranks of our distinguished global alumni.

The Dalyell Scholars program allows you to collaborate and network with like-minded world influencers.

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

- acceleration to master's level study
- access to specialised Language (Arts) and Mathematical Sciences (Science) programs
- exclusive research and entrepreneurship programs
- direct access to industry-based project learning
- tailored mentoring and professional skills development to enhance your study and career opportunities
- international experiences to develop your global perspective, including a 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

Who was Elsie Jean Dalyell?

A highly distinguished University of Sydney medical graduate, Elsie Dalyell OBE (1881-1948) was the first full-time female academic in our Faculty of Medicine. After travelling to London on a University scholarship and serving in the First World War, she conducted pioneering work with a medical team in Vienna, Austria, into childhood diseases. Her academic excellence and commitment to creating her own path are hallmarks of our Dalyell Scholars program.

Image: Elsie Jean Dalyell. Courtesy of State Records NSW: New South Wales Medical Board; NRS 9873, Photographs of doctors, 1888-1927. [Digital ID 9873_a025_a025000062] Elsie Jean Dalyell, no date

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, Lendlease, Bates Smart, the NSW Government Architect, Neeson Murcutt, Richard Kirk Architect, CHROFI, and Tonkin Zulaikha Greer.

We also host 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 2013–15 more than 220 students visited 25 countries including Sri Lanka, Chile, Tokyo, the United States, Denmark, Germany and the UK. In 2016, 15 students from the Master of Architecture program exhibited at the Venice Architecture Biennale as part of their studies.

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.

Image top: Master of Urban and Regional Planning students in Bandung, Indonesia
Image above: Camilla Phillips, Master of Architecture, Lund University Semester 2

Above: Master of Architecture students' exhibition at the Venice Architecture Biennale

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 studios

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

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

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 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 horizons.

Master's degrees typically require between one and two years of full-time study (two to four years part time). If you can't commit to a full-time master's degree straight away because of, say, 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 an alternative worth considering if you want to try out postgraduate study, increase the breadth of your expertise and knowledge, or you don't quite meet the entry requirements for a master's degree.

Once you finish the graduate certificate (usually six months of full-time study, 12 months part time) you may then be able to progress to the equivalent graduate diploma (usually one year full time, two years part time) or ultimately, a master's degree (see the progression diagram below).

A graduate certificate or diploma is also an excellent option if you don't want to commit to a full master's, but still need 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

*QS World University Rankings 2016-17
** QS Graduate Employability Rankings 2017

Short courses

If you are not sure about studying a full degree at the University 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 (CPD) 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

Continuing professional development (CPD)

At the Sydney School of Architecture, Design and Planning, you can undertake a single unit of study (without assessment) to use towards CPD. Please note that CPD credits do not count towards a postgraduate award. For information about the CPD units we offer, visit:

– sydney.edu.au/architecture/cpd

Credit for previous studies

You may be eligible for credit if your previous studies are assessed as being directly equivalent to our units of study. Credit arrangements vary by course. To check the details for your course, visit:

– sydney.edu.au/courses

You need to apply for credit when completing your online course application. To learn more, 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, while you broaden your horizons by being immersed in other cultures and environments.

The University of Sydney has more than 270 exchange partners in 41 countries. More than 100 of these partners are listed among the top 200 universities in the world.*

If you are eligible to become an exchange student, you will 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.

As a postgraduate student, you will be eligible to go on exchange if your 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).

To find out more about exchange programs, visit:

– sydney.edu.au/student-exchange

* Times Higher Education World University Rankings 2016-17

Master of Architecture

In today's complex and challenging built environment, architects need to be equipped with a diverse skillset to tackle social, environmental, commercial and aesthetic issues that are critical around the globe. This course provides those skills and prepares you for professional registration as an architect.

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

Yarrabah / Burri Gummin
Affordable Housing Project

"The highlight of my studies was being awarded the Hezlet Bequest Travelling Scholarship that allowed me to undertake a design-based elective in Santiago, Chile. The studio posed the question of how architects could creatively address Pan-Pacific coastal erosion through site-specific interventions, making one think about the role of architects outside of traditional modes of practice.

"The rigorous program ensured that I worked through design ideas collaboratively with academics and peers, allowing for critical engagement that enriched the design process. The value placed upon constant drawing, making, questioning and reflection of my work shaped my work ethic and has prepared me to confidently enter a challenging and creatively robust professional work environment.

"Since graduating, I have been employed as a Graduate Architect at Bates Smart, where I work across a range of projects, from concept design to construction detailing."

Emmy Omagari
Master of Architecture 2015
Graduate Architect, Bates Smart

"The Master of Architecture allows you to take advantage of a large knowledge base through overseas studios, international guest speakers and local expertise. Whatever field you're interested in, the school can guide you towards the best people in the industry to help you gain incredible knowledge.

"The way the program has been set up, there isn't a set order or regiment of subjects you have to take, so you can choose the studios that interest you.

"The education I gained has directly affected my career in architecture. The research studios enabled my design problem solving to produce solutions at different scales. Other core subjects focus on technical and communications skill, which influenced my approach to visually and verbally conveying ideas to a range of people."

Hope Drydon
Master of Architecture 2015
Architectural Graduate, Architectus

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
MARC4102	Modern Architectural Theory	2	6
MARC5101	Advanced Technologies 2	2	6
Year 2			
MARC400*	Research Studio*	1	12
MARC6102	3D Computer Design Modelling (or other elective unit of study)	1	6
	Elective	1	6
MARC5001	Graduation Studio	2	12
MARC5102	Contract Documentation	2	6
	Elective	2	6

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

For a full course description, visit:
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.

Inside view

James Ellis
Master of Architecture graduate

"In my first year of the Master of Architecture degree I was lucky enough to be involved in the Burri Gummin Community Housing Project. This was a semester-long studio focused on developing accessible housing in Yarrabah, an Aboriginal community just outside Cairns.

"We travelled to Yarrabah and met a community who shared with us their place, culture and needs. We experienced their vitality and integrity, and were confronted by the inadequacies and failures of existing architecture within the community.

"Back in Sydney, we worked in a collaborative way to generate some positive solutions. It was very rewarding to be able to present our projects to the community and receive feedback right from the source.

"My education benefited from these projects on both a broad and a practical level. They provided an opportunity to learn about Indigenous cultures, and therefore about my own country and my place within it.

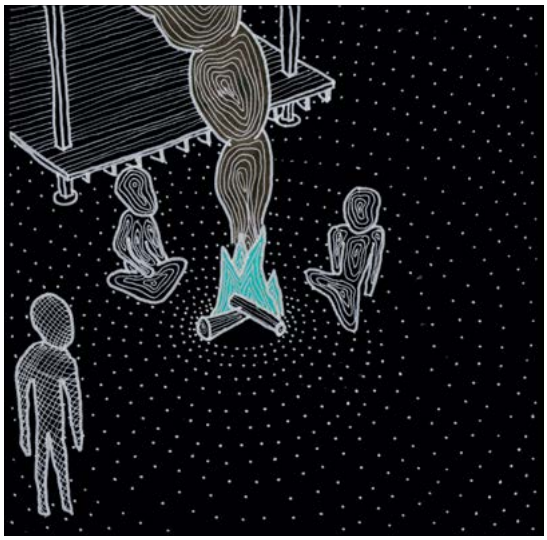
"At a practical level a real project responding to a brief provided by real clients necessitates a focus and a pragmatism that can only help conceive a cohesive architecture.

"These projects have given me a head start on developing many of the skills an architect uses every day: communicating with clients while balancing the minutiae that must be resolved to deliver the project.

"As well as this, I have developed a better understanding of the role of the architect within a larger context. Architects can fall into the trap of thinking that their work is about themselves, or about a particular building-object. Really, it's about people, their relationships and their place in the world."

Master of Architecture

One Fire, James Ellis



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.

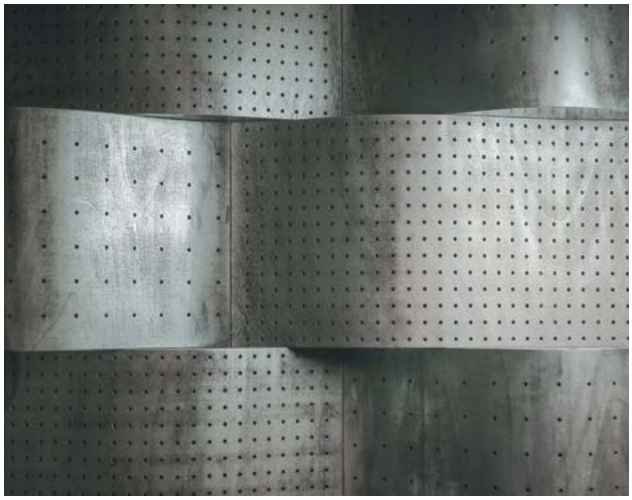
Who should choose this course?

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 environmental acoustics.

Spatial Audio Lab

Acoustics Lab



"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
DESC9191	Building Acoustics and Noise Control	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/architectural-science-audio-acoustics

1 Bligh Street, Sydney; designed by Ingenhoven Architects, Düsseldorf, Germany; owned by DEXUS Property Group, DEXUS Wholesale Property Fund, Cbus Property

Facilities Management
Graduate certificate

This course builds on your technical qualifications through the addition of strategic management principles that drive high-performance buildings. You will learn to align building operations with organisational priorities and how building services and sustainable approaches produce value.

Who should choose this course?

This course is aimed at ambitious graduates of the Bachelor of Architecture and Environments or individuals involved in or seeking to make the transition into the strategic management of business premises.

Course details

Course name	Credit points	Duration (part time)
Graduate Certificate in Architectural Science (Facilities Management)	24	0.5 to 1 year

For a full course description, visit: sydney.edu.au/courses/graduate-certificate-facilities-management

"The University of Sydney is one of the few universities in Australia that offers a multidisciplinary approach to facilities management, combining industry knowledge from sustainable design and building services.

"In my final year of study I acquired an internship with international real estate firm Jones Lang LaSalle in the property and asset management division."

Bibiana Uzabeaga
Master of Design Science
(Sustainable Design and Building Services)
Building Operations Supervisor, Jones Lang LaSalle

Graduate certificates in Building Services and Facilities Management

Modes of study

Graduate certificates require two semesters of part-time study. Part-time study is available for Australian citizens and permanent residents.

Further study

Students who complete the graduate certificate in Facilities Management or graduate certificate in Building Services with a weighted average mark of 70 throughout their study may upgrade to the diploma or master's degree in High-Performance Buildings, for which credit will be granted for completed units of study.

For graduate certificate admission requirements, see page 48.

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 occupant comfort is paramount.

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 within a wide range of areas, including the design and creation of building services requiring an architectural engineering solution, architectural practice, business, sustainable design, commercial development, property management and more.

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/arhitectural-science-high-performance

Photo by David Stevenson www.dscreativ.com

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 Mint, Lighting, Art & Science

"Working as an electrical contractor, I was always being asked to provide advice on lighting. This was an area that was not covered during my apprenticeship. Not satisfied with my lack of knowledge, I undertook a year-long course called Principles of Lighting Design. This increased my desire for more knowledge and expertise. Undertaking the Master of Illumination Design was a natural progression.

"This degree has allowed me to expand my electrical contracting business into one focused primarily on lighting, offering a design and installation solution.

"It's a significant point of difference in the electrical contracting and lighting design professions, allowing me to design with a focus on functionality and ensuring my solutions can be implemented effectively and maintained."

Jo Reed
Master of Architectural Science (Illumination Design)
Director, Electric Gecko

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/architectural-science-illumination-design

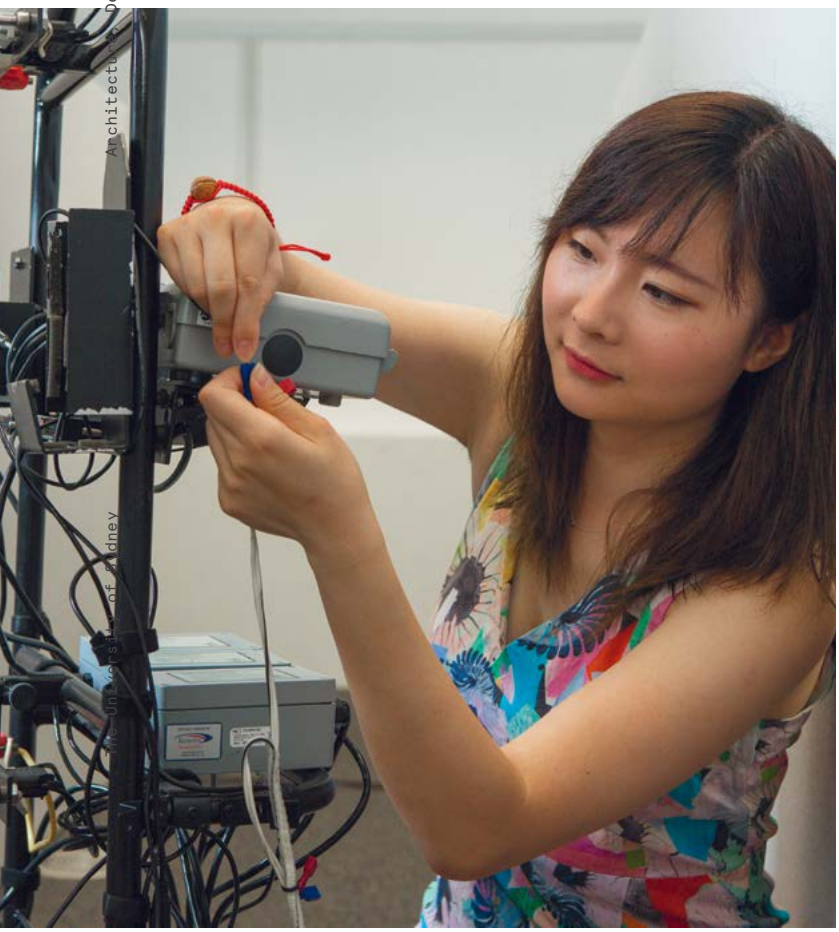
Sustainable Design
Master of Architectural Science

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 without compromising building functionality or profitability. The course integrates units from the architectural sciences, building services, facilities management and high-performance buildings.

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.



"I had the opportunity to polish my skillset and gain industry experience by helping out at the Total Facilities Live Expo 2015, participate in student competitions, and work as an optimisation engineering intern at Grosvenor Engineering Group.

"One of my most significant achievements is receiving the 2015 Chartered Institution of Building Services Engineers NSW Student of the Year Award, where I used knowledge gained from Sustainable Design Principles and Building Energy Analysis. I'm now conducting a research project trying to better understand the occupants' thermal comfort level, which is a key purpose of sustainable design.

"These experiences are crucial for understanding real-world problems and finding solutions for them and will contribute to my future professional success."

Sihui Wang
Master of Architectural Science (Sustainable Design)
Graduate Engineer, Arup

Tropical Climate Greenhouse (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/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.

ALAR, Alex Lam & Armando Breton

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, social media and urban informatics. Your ideas may become the basis of prototype products, patents or start-up 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 individuals who are seeking a career in user-experience, interaction design or to use technology creatively for design and commercial purposes. It is ideal for graduates of the Bachelor of Architecture and Environments and the Bachelor of Design Computing.

"The master's degree helps you stand out as someone passionate about digital design. Through the course, I was introduced to the PwC virtual reality internship, which has resulted in full-time employment. I have entered into a career focused on virtual and augmented reality. I want to push the boundaries of what is real versus virtual."

Hugh Gaukroger
Master of Interaction Design and Electronic Arts
Virtual and Augmented Reality Team Lead, PwC Australia

Postgraduate study

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 skillset 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	Elective – New Media Audiences	1	6
IDEA9201	IDEA Laboratory*	2	6
IDEA9202	IDEA Studio*	2	12
	Elective	2	6
Year 2			
IDEA9301	Graduation Studio	1	12
IDEA 9311	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

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 six-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 heritage 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
ARCH9082	Conservation of Traditional Materials	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			
ARCH9074	New Design in Old Settings	1	6
ARCH9031	Research Report	1	12
	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-heritage-conservation

"A passion for old places drew me to the Master of Heritage Conservation. I love the richness that historic buildings and places provide for cities. I wanted to play a role in their conservation, reuse and adaptation so they remain useful, viable and vibrant places that communities appreciate, identify with and care about.

"Historic places, whether they are buildings, plazas, parks or railway stations ,all combine to tell the stories of a city's development and growth. I wanted to be involved in the process of retaining cohesive stories for cities in partnership with new development.

"I also wanted to help overcome the misconception that heritage places cannot be changed – it is just not true. Heritage is entrenched in history, but its adaptation and reuse can be progressive and contemporary."

Steven Barry
Master of Heritage Conservation, Senior Consultant, GML Heritage

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. It 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 degree in architecture, urban planning or related field with a weighted average mark 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 have recently updated our admission requirements 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

James Moulder, *Tokyo Spine*, aerial view of towers, render

Course details

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

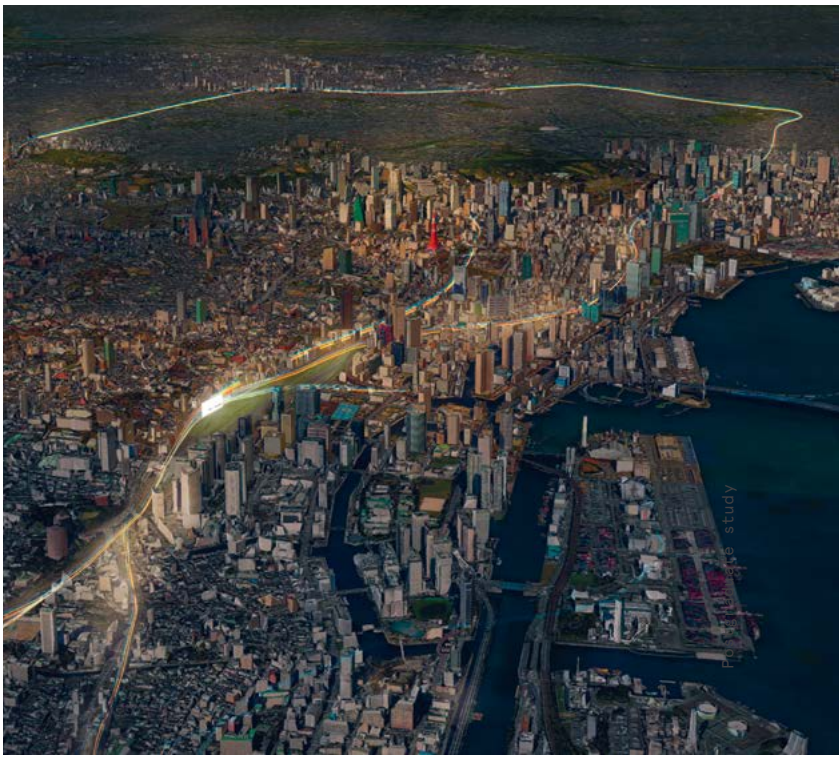
For students seeking a two-year, 96 credit point program, please refer to the Master of Urbanism on page 44.

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
ARCH9001	Urban Design Studio A	1	12
ARCH9080	Urban Ecology, Design and Planning	2	6
ARCH9063	Urban Morphology	2	6
	Elective	2	6
	Elective	2	6
Year 2			
ARCH9002	Urban Design Studio B	1	12
ARCH9060	Urban Design Report	1	12

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-urbanism



Above: *Shinagawa Koso-eki*, Collage, diagram and photo, by John Stuart Caldwell, Master of Architecture, Graduate Design Studio

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).

"I have been successful in securing an internship working in climate change adaptation with the United Nations, in Myanmar. I hope this will be an amazing experience in itself, while enriching my final planning report that I am writing while in the field. This opportunity will strengthen my CV when looking for comparable roles in Australia.

"I look forward to going into policy-writing roles in local or state government looking at the human environment interface, particularly climate change adaptation."

Stella Fielding
Master of Urban and Regional Planning

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

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 Urban Heritage 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
	Elective	1	6
PLAN9045	Economics for Planners	2	6
PLAN9064	Land Use and Infrastructure Planning	2	6
ARCH9100 / PLAN9061	Introduction to Urban Design or Planning Principles, Systems and Practice	2	6
	Elective	2	6
Year 2			
PLAN9018	Planning Report	1	12
	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-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 time frame enables you to experience a cross-disciplinary approach while still specialising in a specific area of professional interest.

Developed in consultation with a range of industry stakeholders, 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, including graduates of the Bachelor of Architecture and Environments, interested in developing professional careers in environmental planning, urban policy, urban design, heritage conservation and policy, with specialisation in one area.

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

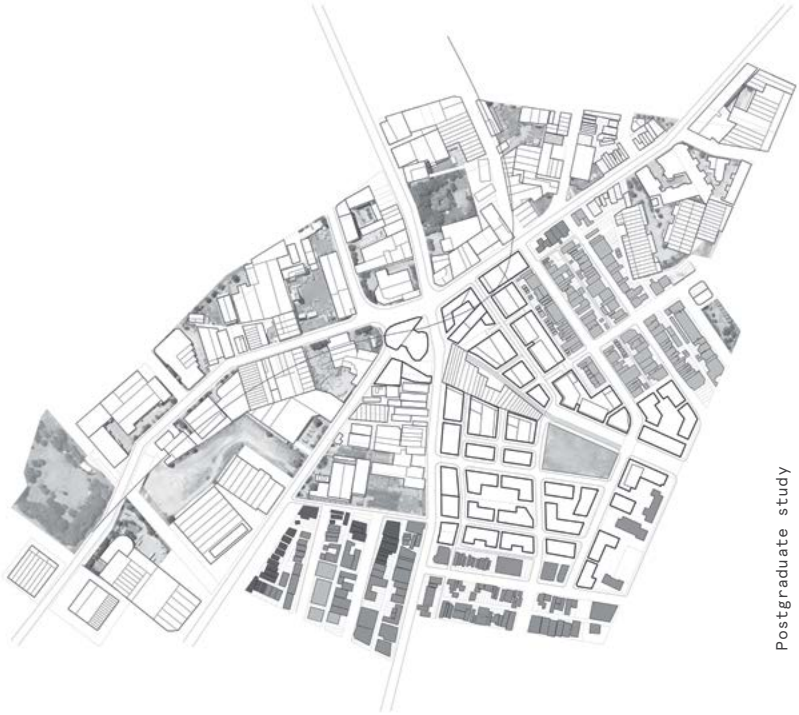
The following is an indicative progression for Master of Urbanism (Urban and Regional Planning Specialisation).

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 Morphology	2	6
ARCH9080	Urban Ecology	2	6
PLAN9045	Economics for the Built Environment	2	6
PLAN9064	Land Use and Infrastructure Planning	2	6
Year 2			
ARCH9092	Urbanism 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

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 Consulting.

For a full course description, visit:
sydney.edu.au/courses/postgraduate-urbanism



Postgraduate study

Master of Urbanism

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 interdisciplinary 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 RobArch 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.

Entry requirements 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. Entry requirements 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 of 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. Entry requirements 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/study/research_degrees

Dr Crighton Nichols, PhD Design Lab 2014, leads the innovation team within PricewaterhouseCoopers Australia's core technology group.

How to apply

Undergraduate degree

Domestic applicant

- Portfolios may be submitted for consideration.
- Make sure you meet the admission criteria (ATAR and assumed knowledge) for your preferred course
- Apply through the Universities Admissions Centre (UAC) at 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 entry 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/research/people/research_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/study/research_degrees

Still have questions?

Please submit a question online:

- sydney.edu.au/ask

Important dates

Postgraduate Information Evening
17 May 2017

Semester 2, 2017 applications close
30 June 2017*

Festival of Urbanism
7–18 August 2017

Open Day
26 August 2017

Postgraduate Information Evening
11 October 2017

Semester 1, 2018 applications close
31 January 2018*

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

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)

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